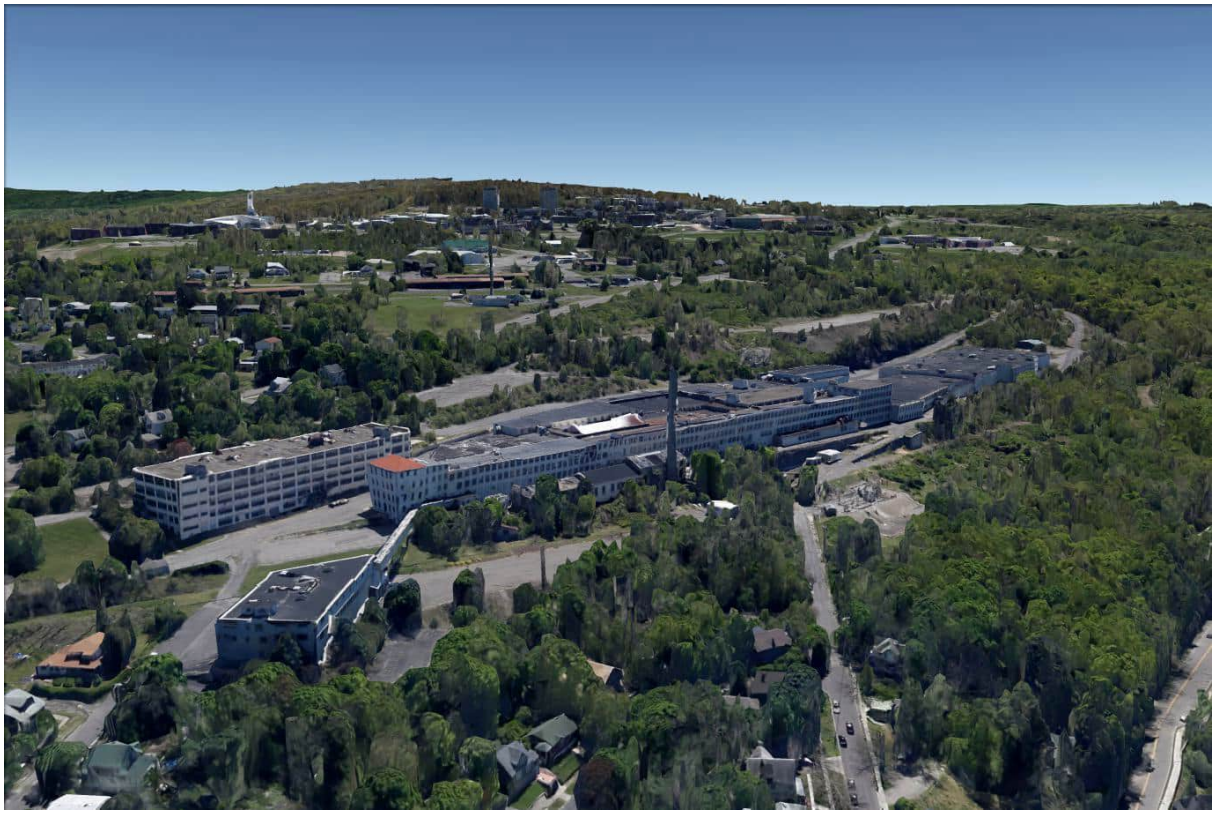
EMERSON ELECTRIC CO.

PERIODIC REVIEW REPORT – REVISED

FORMER EMERSON POWER TRANSMISSION, TOMPKINS COUNTY, ITHACA, NEW YORK – SITE NO. 7-55-010

SEPTEMBER 12, 2025



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EMERSON ELECTRIC CO.

PROJECT NO.: US-WSP-31405608.001
DATE: SEPTEMBER 12, 2025

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1 EXECUTIVE SUMMARY

WSP USA Inc. (WSP) is submitting this Periodic Review Report (PRR) on behalf of Emerson Electric Co. (Emerson) for the former Emerson Power Transmission (EPT) site at 620 S. Aurora Street in Ithaca, New York (Site, Figure 1). This PRR has been prepared in accordance with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation's (DER's) DER-10 *Technical Guidance for Site Investigation and Remediation*, dated May 2010, the Interim Site Management Plan (ISMP), dated August 19, 2022, and NYSDEC correspondence to Emerson, dated October 7, 2022. This PRR covers the reporting period from January 1, 2024, through December 31, 2024.

The Site is currently in the New York State Superfund Program, Site No. 755010, which is administered by NYSDEC. Emerson and EPT entered into an Order on Consent (No. A7-0125-87-09) with the NYSDEC on July 12, 1987, to remediate the Site. Based on results obtained during additional investigations conducted at the Site, the NYSDEC issued a December 1994 Record of Decision (ROD), a June 2009 ROD Amendment, and a 2021 ROD Amendment (AROD). In December 2014, EPT transferred the property to EMERSUB 15, LLC, a wholly-owned subsidiary of Emerson, in anticipation of the sale of its Power Transmissions Solutions business, of which EPT was a part. In connection with this transaction, the Consent Order was amended to make Emerson the sole respondent responsible for the remediation. In addition, in October 2018 the NYSDEC approved a boundary modification for the Site decreasing the Site size from 94.3 acres to approximately 60 acres (includes Operable Unit [OU]– 1 and OU-2). A figure showing the Site location and boundaries of this Site is provided in Figure 2. The boundaries of the Site are more fully described in the metes and bounds site description that is part of the Environmental Easement provided in Appendix A.

The former manufacturing plant complex is referred to as OU-2; the former Fire Water Reservoir (FWR) located immediately west of the main plant is referred to as OU-1 (see Figure 2). The owners of the Site parcels at the time of issuance of this PRR are:

1. OU-1 – EMERSUB 15, LLC, a wholly owned subsidiary of Emerson.
2. OU-2 – As of December 2022, L ENTERPRISES, LLC or a related entity.

The specific responsibilities of the owner of OU-2 and the Remedial Party with respect to OU-1 are set forth in Appendix B.

1.1 SITE SUMMARY

Investigations documented in the Phase II Supplemental Remedial Investigation Report (SRI) performed at the Site from 1987 through 2017 identified the following:

- Affected soil containing chlorinated volatile organic compounds (CVOCs), barium, chromium, cadmium, copper, nickel, arsenic, lead, mercury, cyanide, polychlorinated biphenyls, polycyclic aromatic hydrocarbons (PAHs)
- Affected groundwater containing CVOCs, barium, and cyanide
- Groundwater seeps containing CVOCs
- Sub-slab vapor and indoor air containing CVOCs
- Non-aqueous phase liquid (NAPL)

The selected remedy described in the 2020 Feasibility Study (FS) required the following actions:

- Site-wide contaminants of concern (COCs) in soil – Source removal and cap/cover installation as Soil Interim Remedial Measures (IRM)
- Site-wide CVOCs in groundwater – Semi-annual groundwater monitoring
- Area of Concern (AOC) 1 CVOCs in groundwater – Expansion of existing DPE System into AOC 1
- Site-wide barium in groundwater – Semi-annual groundwater monitoring
- Site-wide cyanide in groundwater – Semi-annual groundwater monitoring

- Seep COCs – Collection and treatment or rerouting seeps[1] – Building 24, Weir Box Seeps, and Retaining Wall Sump
- Site-wide NAPL – Monitoring and active/passive recovery
- Soil vapor intrusion – Mitigation based on future occupancy of the buildings

Remediation and monitoring activities completed at the Site include the following:

- Soil IRM activities
- Installation and ongoing operation of a Dual Phase Extraction (DPE) and Treatment System for vapor and groundwater in bedrock
- Quarterly monitoring and passive recovery of NAPL

Future remediation activities planned for the Site include the following:

- Expansion of existing DPE and Treatment System to address CVOCs in AOC 1
- Active or passive recovery of Site-wide NAPL
- Rerouting of the three seeps – Building 24, Weir Box Seeps, and Retaining Wall Sump
- Soil vapor intrusion mitigation based on future occupancy of the buildings

Ongoing monitoring activities planned for the Site and documented in the ISMP include the following:

- Semi-annual groundwater monitoring for Site-wide CVOCs in groundwater
- Semi-annual groundwater monitoring for Site-wide barium in groundwater
- Semi-annual groundwater monitoring for Site-wide cyanide in groundwater
- NAPL monitoring in areas of the Site where NAPL has been identified
- DPE and Treatment System monitoring in accordance with the Operations and Maintenance (O&M) Plan

On completion of the activities described above, remaining contamination on the property will consist of the following:

- CVOCs, arsenic, barium, and PAHs in soil onsite
- CVOCs, barium, and cyanide in Site-wide groundwater
- CVOCs in seeps and AOC 1 groundwater
- CVOCs in sub-slab soil gas
- NAPL in Site wells

Institutional Controls and Engineering Controls (ICs and ECs) have been incorporated into the remedy for the Site to control exposure to remaining contamination and ensure protection of public health and the environment. An Environmental Easement (Appendix A) recorded with the Tompkins County Clerk, requires the property owner to comply with the ISMP and all ICs and ECs placed on the Site until the Environmental Easement is extinguished.

1.2 EFFECTIVENESS OF THE REMEDIAL PROGRAM

1.2.1 SOIL IRM ACTIVITIES

Soil IRM activities were performed in 2018 and 2019 in accordance with an IRM Work Plan. Source removal was specified for nine AOCs (AOCs 26, 27, 28, 29, 30, 31, 32, 34, 35A, 35C, 35D, 35G, 35H, 35K and 35L) followed by soil cover installation where soil containing COC concentrations above applicable Soil Cleanup Objectives (SCOs) remained on site (AOCs 28, 29, 30, 31, 32, 34, 35A, 35D, 35H, 35K, and 35L). Source containment (capping) was performed in AOC 1 after source removal to a depth of 3 feet.

[1] The seep rerouting alternative was subsequently approved by the NYSDEC on September 12, 2023, based on the results of the Pre-Design Study for the Seeps.

The cap and cover system continues to prevent direct contact with contaminated soil, prevent inhalation of contaminants volatilizing from the soil, and prevent migration of contaminants that could result in groundwater or surface water contamination. There were no excavations or penetrations in the cap and cover system during 2024.

1.2.2 DUAL PHASE EXTRACTION AND TREATMENT SYSTEM

Active remediation at the Site consists of operating and maintaining a DPE and Treatment System consisting of 10 wells, 9 are aligned in a north-south direction downgradient of and below the FWR to the west, and 1 well is located just south of the FWR. Four wells were installed in the highly fractured B-zone and the upper C-zone. The remaining six DPE wells were installed in the C-zone primarily to intercept and contain impacted groundwater in the lower portion of the C-zone. Additional investigations in OU-1 found that the high concentrations of CVOCs in groundwater within two bedding plane fractures underlying the reservoir at 550 and 544 feet above mean sea level (amsl) and a deeper bedding plane fracture at 515 feet amsl, were the primary migration pathways for affected groundwater. Based on these findings, three new recovery wells targeting these bedding plane fractures were added to the DPE and Treatment System in 2015. After one of the recovery wells was abandoned, the DPE and Treatment System currently consists of a total of 12 extraction wells.

The existing DPE and Treatment System continues to operate to reduce the mass of VOCs in groundwater. Two additional extraction wells, EW-13 and EW-14, were installed in 2022 as part of the DPE and Treatment System expansion into AOC 1. These wells are planned for connection to the DPE and Treatment System in July 2025.

1.2.3 NON-AQUEOUS PHASE LIQUID RECOVERY

NAPL monitoring began in December 2009 and recovery began in January 2010. Passive NAPL recovery using absorbents is conducted quarterly for groundwater wells that contain free product. Since initiation approximately 69 gallons of NAPL has been recovered through December 31, 2024. Recovered NAPL and associated sorbent socks are placed in 55-gallon Department of Transportation (DOT) compliant steel drums for offsite disposal. The existing NAPL recovery activities continue to reduce the volume of NAPL present in Site wells.

1.3 COMPLIANCE

No deficiencies were identified with respect to compliance with the ISMP for the Site; therefore, no corrective actions are required at this time.

1.4 RECOMMENDATIONS

WSP does not recommend changing the frequency of PRR submittals. In addition, no modifications are recommended to the ICs and ECs. The O&M Plan will be revised after the completion of the DPE and Treatment System expansion work. The ISMP will be converted to a final SMP after completion of the remaining remedial action activities.

2 SITE OVERVIEW

2.1 SITE LOCATION AND DESCRIPTION

The Site is located in Ithaca, Tompkins County, New York and is identified as Section 92 Block 8 and Lot P/O 106.-1-8 and Section 106 Block 1 and Lot 8 on the city of Ithaca Tax Map; and Section 40 Block 3 and Lot 3 on the town of Ithaca Tax Map. The Site is an approximately 60-acre area and is bounded by residential neighborhoods to the north, undeveloped, steep woodlands to the south, South Aurora Street to the east, and undeveloped, steep woodlands and ultimately West Spencer Street to the west (see Figure 2). The former manufacturing plant complex is referred to as OU-2; the former FWR located immediately west of the main plant is referred to as OU-1 (see Figure 2). The boundaries of the Site are more fully described in Appendix A – Environmental Easement. The owners of the Site parcels at the time of issuance of this PRR are:

1. OU-1 - EMERSUB 15, LLC, a wholly owned subsidiary of Emerson.
2. OU-2 – As of December 2022, L ENTERPRISES, LLC or a related entity.

2.2 SITE HISTORY

The facility was founded in 1906 by Morse Industrial Corporation, manufacturer of steel roller chain for the automobile industry. Morse operated the facility until approximately 1928 when it was bought by Borg-Warner Corporation, manufacturer of automotive components and power transmission equipment. In 1983, Emerson acquired Borg-Warner. As a result, the Ithaca facility eventually became part of the former EPT, a wholly owned subsidiary of Emerson and part of Emerson's Power Transmission Solutions business. EPT continued to manufacture industrial roller chain, bearings, and clutching for the power transmission industry until operations ceased in 2009. The facility was subsequently decommissioned and has been vacant since 2011. In December 2014, Emerson transferred the property to EMERSUB 15, LLC, a wholly owned subsidiary of Emerson, in anticipation of the sale of Emerson Power Transmission Solutions business.

Up until the late 1970s, Borg-Warner used trichloroethene (TCE), a common solvent at the time, for cleaning and degreasing metal parts. An estimated 60 metal piercing and clanking machines were in operation from the early 1950s to 1977. Additional operations included metal finishing, plating, pickling, and salt bath quenching utilizing barium chloride and cyanide salts.

2.3 SUMMARY OF INVESTIGATION AND REMEDIATION ACTIVITIES

The following narrative provides a brief summary of the investigation and remediation history for the Site.

In 1987, groundwater containing elevated concentrations of volatile organic compounds (VOCs), specifically CVOCs, was discovered originating from the FWR (OU-1) in the western portion of the property. Subsequent to reporting these findings to NYSDEC, Emerson and EPT entered into a Consent Order with the NYSDEC (Index No. A7-0125-87-09) requiring Emerson to develop and implement a Remedial Investigation and Feasibility Study (RI/FS) followed by a remedial program to address the release of hazardous substances to the environment. The RI Report was completed by Radian Corporation (later Radian International LLC) in 1990. A groundwater pump and treat system was installed as an IRM to address VOC-affected groundwater near the FWR; operation began in late 1991. In 1994, the FS completed by Radian proposed a dual-phase groundwater extraction and treatment system as the remedial alternative based on testing that indicated such a system would outperform the existing IRM. The alternative was approved by NYSDEC and detailed in the 1994 ROD. The DPE and Treatment System began operating in 1996.

Based on the results of a SRI and Alternatives Analysis performed between 2004 and 2008, NYSDEC issued a ROD Amendment in 2009 addressing three areas presently classified as OUs: the former FWR (OU-1), the remainder of the property (OU-2), and the South Hill neighborhood to the north (OU-3). The limits of OU-1 and OU-2 are shown in Figure 2. Descriptions of OU-1 and OU-2 and their regulatory status are summarized below. OU-3 is not addressed in this PRR.

2.3.1 OU-1

Subsequent to the 2009 ROD Amendment, a variety of activities have occurred in OU-1 including decommissioning the FWR; evaluating the potential presence of NAPL below the FWR; removal of NAPL since 2010; and upgrading the DPE and Treatment System. EMERSUB 15, LLC retained ownership of that portion of the property coterminous with OU-1.

The existing DPE and Treatment System (as upgraded in 2009) consisted of 10 wells, 9 of which were aligned in a north-south direction downgradient of the FWR to the west, and 1 well was immediately south of the FWR (EW-9-86C). Of the 10 DPE wells, four wells (EW-4-25B, EW-5-25B, EW-7-25B, and EW-10-25B) were installed in the highly fractured B-zone and the upper C-zone. The remaining six DPE wells (EW-1-62C, EW-2-62C, EW-3-60C, EW-6-60C, EW-8-62C, and EW-9-86C) were installed in the C-zone primarily to intercept and contain impacted groundwater in the lower portion of the C-zone. The OU-1 Groundwater DPE and Treatment System is a component of the final remedy for the Site.

Following the 2009 ROD Amendment, several additional investigations were completed in OU-1. The findings indicated that the highest concentrations of CVOCs in groundwater occurred within two bedding plane fractures underlying the reservoir at 550 and 544 feet amsl. These bedding plane fractures, as well as a deeper bedding plane fracture at 515 feet amsl, were identified as the primary migration pathways for affected groundwater. The pre-2009 system largely addressed these same intervals. In June 2015, the DPE and Treatment System was modified and enhanced to remove one and add three additional extraction points (abandoning EW-9-86C and installing EW-9R-72C, EW-11-43C, and EW-12-45C), targeting the bedding plane fractures. The DPE and Treatment System currently consists of 12 extraction points.

2.3.2 OU-2

OU-2 includes several AOCs, including AOC 1, the Former Department 507 Degreaser in Building 4, where soil and groundwater affected by CVOCs were identified and delineated over the course of several investigations. At the request of NYSDEC, WSP's Phase II SRI Report, dated August 5, 2016, included summary information for this area. Much of the remainder of OU-2 was subject to soil, soil vapor, and groundwater investigations as part of the Phase II SRI. WSP's IRM Work Plan, dated August 8, 2018, was developed to address shallow soil via excavation with offsite disposal in the former degreaser area as well as other AOCs in OU-2 to reduce potential migration of COCs to groundwater. Ownership of OU-2 was conveyed to L ENTERPRISES, LLC in December 2022.

A sanitary sewer line was initially constructed across a portion of the Site to serve the former NCR facility to the south. The line extends approximately 2,700 feet from the southern property boundary to the north-northeast across OU-2 and connects to the main city sewer line on South Aurora Street (Figure 2). The line lies within two easements previously granted to NCR by Morse Chain Company. Another easement for a lateral to the NCR sewer line benefits Ithaca College. The original easements extended 10 feet from the center line, for a total width of 20 feet.

In October 2018, the NYSDEC approved a boundary modification by Emerson to remove 34.34 acres of undeveloped land in the southern portion of the property from the area subject to the Order on Consent, the Administrative ROD, and the Registry of Inactive Hazardous Waste Sites. A condition to the boundary modification was the filing of a deed restriction requiring soil vapor assessments prior to any habitable structures being connected to or being constructed within 40 feet from the centerline on either side of the sewer running from the former NCR property and the Ithaca College lateral (Appendix C). The New York State Department of Health (NYSDOH) requested the restriction to account for potential vapor intrusion. The deed restriction was filed and recorded on September 6, 2018. As shown in Figure 2, the southern portion of the sewer, sewer lateral, and undeveloped land are no longer within the limits of Site No. 755010.

Residual source materials were removed from several sanitary sewer manholes and two trench systems within the buildings in 2017. The cleanout was accomplished by physical means (shovel, breaker bars, scrapers, etc.) followed by final removal by high vacuum. The use of water to remove solid residuals from manholes was minimized by temporary plugging to prevent solid residuals and wash water from being discharged to the sanitary sewer system. As described below, additional sewer line investigation and removal of sewer residuals, sewer lines, and manholes was performed as part of the Soil IRM activities in 2018 and 2019.

The final IRM Work Plan for soils was submitted to and approved by the NYSDEC in August 2018. The primary objectives of the work plan were to remediate soil in OU-2 to meet applicable SCOs and to facilitate future use of the property consistent with L Enterprises, LLC redevelopment plans. The IRM activities were completed in August 2019 and the Soil IRM Construction Completion Report was submitted to NYSDEC in October 2020. The OU-2 Soil IRM is a component of

the final remedy for the Site while providing for the removal of sources to groundwater contamination. The AOCs addressed during the Soil IRM activities and the SCOs (direct contact or protection of groundwater [PoG]) are summarized in Table 1.

Approximately 4,550 cubic yards of soil were excavated during the Soil IRM activities. The general components associated with the IRM included the following:

- Site preparation activities (e.g., utility locating, clearing, erosion and sedimentation controls, pavement removal)
- Excavation of affected soil (depths varied depending on the SCOs and depth to bedrock)
- Confirmation and documentation sampling
- Offsite disposal of excavated soil consistent with waste disposal characterization results
- Installation of demarcation layer where affected soil remains
- Backfilling excavations with clean fill from off-site sources
- Installation of an engineered cap at AOC 1 to reduce infiltration through affected soil that will remain in place
- Restoration of the cover consistent with historical cover or in anticipation of future use.

At the request of NYSDEC, the IRM work incorporated actions to further address portions of the sanitary sewer network inside the facility, including:

- investigation of soil conditions below the invert elevations of the sewer pipe at select locations
- removal of sewer lines and manholes in which barium was detected at concentrations above the PoG SCO
- vacuuming of residuals from the exposed bedrock pipe traces and manhole areas
- placing flowable fill in the excavation cavity and the sewer line trench to minimize infiltration.

2.4 REMEDIAL OBJECTIVES

The Remedial Action Objectives (RAOs) for the Site as listed in the AROD dated September 2021 are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards
- Prevent contact with, or inhalation of, volatiles from contaminated groundwater

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable
- Remove the source of ground or surface water contamination

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from the potential for soil vapor intrusion into existing or future buildings at the site.

2.5 SELECTED REMEDY

The FS dated August 12, 2020, detailed the selected remedy for the Site that included the following components:

- Site-wide COCs in Soil – Address during execution of the Soil IRM activities by source removal (excavation and offsite disposal) in nine AOCs (AOCs 26, 27, 28, 29, 30, 31, 32, 34, and 35) and source containment (capping) in AOC 1
- Site-wide CVOCs in groundwater – Semi-annual groundwater monitoring
- AOC 1 CVOCs in groundwater – Expansion of existing DPE System into AOC 1
- Site-wide barium in groundwater – Semi-annual groundwater monitoring
- Site-wide cyanide in groundwater – Semi-annual groundwater monitoring
- Seep COCs – Rerouting the three seeps - Building 24 Seep, Weir Box Seeps, and Retaining Wall Sump - to Outfall 001
- Site-wide NAPL – Monitoring and active/passive recovery
- Soil vapor intrusion – Mitigation based on future occupancy of the buildings.

2.6 CHANGES TO THE SELECTED REMEDY

There were no changes to the selected remedy during the reporting period of January 1 through December 31, 2024.

3 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

Remediation at the Site consists of the completed Soil IRM activities and operating and maintaining the DPE and Treatment System and passive NAPL recovery in select monitoring wells. Progress was made toward achieving the RAOs as described in the following sections.

3.1 SOIL

The cap and cover system continue to prevent direct contact with contaminated soil, prevent inhalation of contaminants volatilizing from the soil, and prevent migration of contaminants to groundwater or surface water.

3.2 DPE AND TREATMENT SYSTEM

The existing DPE and Treatment System continues to operate to reduce the mass of VOCs in groundwater:

- From July 1996 to August 27, 2008, the DPE and Treatment System removed approximately 420 pounds of total VOCs.
- Between January 20, 2009, and December 31, 2023, the DPE and Treatment System removed approximately 198.1 pounds of total CVOCs from the aqueous phase and 4,605.6 pounds of total CVOCs from the vapor phase.
- During the current reporting period (January 1, 2024, through December 31, 2024), the DPE and Treatment System removed approximately 6.01 pounds of total CVOCs from the aqueous phase and 7.3 pounds of total CVOCs from the vapor phase.

3.3 NAPL

The existing NAPL recovery activities continue to reduce the volume of NAPL present in select Site wells:

- Between December 2009 and December 31, 2022, approximately 66 gallons of NAPL were removed from select Site wells.
- Between January 1 and December 31, 2023, approximately 3.6 gallons of NAPL were removed from select Site wells.
- During the current reporting period (January 1 through December 31, 2024), approximately 1.54 gallons of NAPL were removed from select Site wells.
  - MW-8B: 0.16 gallons in the reporting period and 21 gallons since inception (August 2016)
  - LBA-MW-35: 1.06 gallons in the reporting period and 16 gallons since inception (October 2018)
  - LBA-MW-39: 0.12 gallons in the reporting period and 8 gallons since inception (October 2018)
  - MW-47A: 0 gallons in the reporting period and 2 gallons since inception (September 2022)
  - LBA-MW-08: 0.20 gallons in the reporting period and 0.50 gallons since inception (August 2023)
  - LBA-MW-18: 0 gallons in the reporting period and 0.13 gallons since inception (August 2023)
  - HISTWELL-1: 20 gallons between January 2016 and June 2021.

4 IC/EC PLAN COMPLIANCE REPORT

4.1 REQUIREMENTS AND COMPLIANCE

Because contamination remains at the Site, ICs and ECs are required to protect human health and the environment. The IC/EC Plan describes the procedures for the implementation and management of all ICs and ECs at the site. The IC/EC Plan is a component of the ISMP and is subject to revision by the NYSDEC project manager.

This plan provides:

- A description of all IC/ECs on the Site
- The basic implementation and intended role of each IC/EC
- A description of the key components of the ICs set forth in the Environmental Easement
- A description of the controls to be evaluated during each required inspection and periodic review
- A description of plans and procedures to be followed for implementation of IC/ECs
- Any other provisions necessary to identify or establish methods for implementing the IC/ECs required by the site remedy, as determined by the NYSDEC project manager.

4.1.1 INSTITUTIONAL CONTROLS

A series of ICs is required by the AROD to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and (3) limit the use and development of the Site to restricted residential, commercial, and/or industrial uses only. Adherence to these ICs on the Site is required by the Environmental Easement and ISMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

- The property may be used for: restricted residential; commercial, and/or industrial uses as outlined on Figure 3.
- All ECs must be operated and maintained as specified in the ISMP.
- All ECs must be inspected at a frequency and in a manner defined in the ISMP.
- The use of groundwater underlying the property is restricted as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or the Tompkins County Department of Health.
- Groundwater and other environmental or public health monitoring must be performed as defined in the ISMP.
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the ISMP.
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the ISMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the ISMP.
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the ISMP.
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.
- The potential for soil vapor intrusion must be evaluated for any occupied buildings, existing or new, within the IC boundaries as noted on Figure 4, and any potential impacts that are identified must be monitored or mitigated.
- Vegetable gardens shall be performed in raised beds following approval of the NYSDEC; farming on the Site is prohibited, unless indoors such as a hydroponic growing operation.
- Should a building foundation or building slab be removed in the future, a cover system will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable SCOs in the restricted residential area of the Site, and the upper 1 foot of exposed soil exceeds the applicable SCO in the commercial and industrial areas of the Site.

- Complete and submit to the NYSDEC a periodic certification of ICs and ECs in accordance with Part 375-1.8 (h)(3); and
- An evaluation shall be performed to determine the need for further investigation and remediation should large scale redevelopment occur, if any of the existing structures are demolished, or if the subsurface is otherwise made accessible. If new areas of contamination are identified after demolition of existing structures and/or removal of building slabs, the nature and extent of contamination in such areas where access was previously limited or unavailable will be immediately and thoroughly investigated pursuant to either an amended Excavation Work Plan or another NYSDEC-approved work plan. Citizen Participation Plan activities will continue, as necessary, through this process. Any required remediation will be completed prior to or in association with redevelopment.

A site-wide inspection was performed on March 13, 2025[2], to evaluate compliance with the ICs, including site use, to document the general site conditions at the time of the inspection and to evaluate compliance with requirements of the ISMP and the Environmental Easement. The results of the annual inspection are documented on the Annual Site-Wide Inspection Form (Appendix D).

Based on the results of the site inspection, the ICs are in place and have been complied with, including compliance with the Environmental Easement and the ISMP. No deficiencies were identified with respect to the ICs, and no changes to the ICs are recommended at this time.

4.1.2 ENGINEERING CONTROLS

The ECs included in the ISMP for the Site consist of cap and cover systems, DPE and Treatment System, NAPL monitoring and recovery, sub-slab depressurization system(s), and rerouting and monitoring of groundwater seeps.

CAP AND COVER SYSTEMS

A cover system, installed in AOCs where soil remained above direct contact SCOs (restricted residential, commercial, industrial), is comprised of a minimum of 2 feet of clean fill in AOCs designated for future restricted residential use (AOCs 31, 32, 34, 35A, 35D, 35H, 35K, and 35L), and 1 foot of clean fill in AOCs designated for future commercial use (AOCs 28 and 29) and industrial use (AOC 30). The cover system is comprised of imported backfill (NYSDOT Item 4 gravel) installed to a depth of 6 inches below the original ground surface followed by imported topsoil to the original ground surface, with the exception of AOC 29 which did not receive topsoil based on plans for redevelopment as a paved parking lot. A demarcation layer was installed across the base of the excavations that were not excavated to bedrock before backfilling (AOCs 29, 30, 31, 32, 34, 35A, 35D, 35H, 35K, and 35L).

Portions of existing concrete and asphalt roadways serve as cover systems above remaining contamination in several AOCs. In AOCs 29, 31, 32, 34, 35A, and 35H, the asphalt roadway serves as a cover where documentation samples exceeded direct contact SCOs for metals, cyanide, or PAHs. In AOC 35C, the concrete slab in Building 11A serves as a cover where documentation samples exceeded the direct contact SCO for PAHs. In general, no excavation was performed below concrete or asphalt in which soil exceeded restricted residential, commercial, or industrial SCOs.

A low-permeability cap was installed in AOC 1 where soil remained at concentrations above the PoG SCO for CVOCs after excavation to a depth of 3 feet. The cap was designed to minimize infiltration and potential migration of CVOCs in deeper soils that could not be safely excavated during the Soil IRM activities due to the presence of active utilities (water, gas, electric, and storm/sanitary sewers). Following completion of excavation and sampling, a demarcation layer was installed across the base of the excavation in AOC 1 at a depth of 3 feet below ground surface (bgs). The excavation was backfilled with imported backfill (NYSDOT Item 4 gravel) that was placed and compacted to a depth of 1 foot bgs, followed by installation of a low-permeability cap consisting of a geosynthetic clay liner, 6 inches of aggregate base, and a 6-inch thickness of asphalt pavement. The asphalt consisted of 4 inches of asphalt base course and 2 inches of asphalt wearing course separated by a geotextile interlay to minimize the potential for cracking.

During the annual site inspection performed on March 13, 2025, the cap and cover systems were evaluated for continued effectiveness. The results of the annual inspection are documented in Section 2A of the Annual Site-Wide Inspection Form (Appendix D). During the inspection, the topsoil/vegetation, gravel/riprap, and asphalt pavements comprising the cover

[2] The site-wide IC/EC compliance inspection could not be performed before the end of 2024.

systems appeared to be in good condition. No cracks or other penetrations were observed in the asphalt that comprises the top layer of the AOC 1 cap. No excavation activities or evidence of other disturbance were observed within the cap or cover system areas during the reporting period. In addition, no excavations or disturbances were observed during subsequent Site visits by WSP staff (i.e., routine site work, groundwater sampling events, etc.) through the end of 2024.

The cap and cover systems continue to perform as designed and remain effective in protecting human health and the environment. No deficiencies were identified with respect to the cap and cover systems and no changes to the cap and cover systems are recommended at this time.

DPE AND TREATMENT SYSTEM

A DPE and Treatment System began operating in OU-1 in January 2009 and was expanded in 2015 as an IRM to remove VOCs from vapor and groundwater below the former FWR (Figure 5). The system was designed to meet the following objectives:

- intercept contaminated groundwater flow from the highly fractured and interconnected bedrock (B-zone) and from the horizontal bedding plane fractures at the base of the C-zone between 515 and 518 feet amsl
- reduce the concentrations of VOCs in the subsurface by extracting both aqueous and vapor phases for treatment.

The system currently consists of 12 groundwater and vapor extraction wells containing pneumatic pumps to recover groundwater. An air compressor located in the treatment building supplies pressurized air to the pneumatic pumps that facilitates removal of groundwater from the extraction wells. The air exhaust tube is vented to the vapor recovery system within the extraction well. Groundwater pumped from the wells is conveyed to a 1,000-gallon equalization holding tank located inside the treatment building. Once the equalization tank fills to approximately 850 gallons, the water is pumped through a series of six bag filters to eliminate suspended solids. Following the bag filtration units, the water is conveyed to a low-profile tray air stripper equipped with a sump, discharge pump, and blower. After treatment by the low-profile tray air stripper, the water is pumped through two 250-pound liquid phase granular activated carbon (GAC) units. In addition, the vapor stream from the air stripper is treated by two vessels of vapor phase GAC in series before being discharged to the atmosphere. The treated water effluent is then discharged via a 4-inch diameter pipe to the weir box where it combines with Open Ditch 2 water and discharges to existing Outfall No. 001 in accordance with the State Pollutant Discharge Elimination System (SPDES) permit equivalent (Appendix E).

The groundwater remedy for AOC 1 CVOCs consists of additional extraction and expansion of the existing OU-1 DPE and Treatment System into AOC 1. Two B-zone extraction wells (EW-13 and EW-14) were installed in December 2022. A conveyance system, along with other ancillary components, will be installed in accordance with the Remedial Action Work Plan Revision 1 beginning in July 2025.

The results of the annual inspection are documented in Section 2B of the Annual Site-Wide Inspection Form (Appendix D). Overall, the annual inspection and DPE and Treatment System monitoring events indicated that the DPE and Treatment System was performing as designed and appeared to be well-maintained.

NAPL MONITORING AND RECOVERY

Passive free product recovery is performed in wells where NAPL was identified. NAPL monitoring and recovery is performed for groundwater wells that are known to contain free product which include:

- MW-8B: Initiated in August 2016
- LBA-MW-35 and LBA-MW-39: Initiated in October 2018
- MW-47A: Initiated September 2022
- LBA-MW-08 and LBA-MW-18: Initiated in August 2023.

Free product surveillance monitoring in AOC 1 wells MW-47A-AOC-1, MW-48A-AOC-1, and MW-49A-AOC-1 began in October 2019. No free product was detected in these wells until the week of September 19, 2022, when free product was detected in one well, MW-47A-AOC-1, while evaluating water levels. After NYSDEC notification, passive recovery using absorbent socks was initiated for MW-47A-AOC-1 in conjunction with product surveillance.

In accordance with the Buildings 3 and 4 Non-Aqueous Phase Liquid (NAPL) Observation Well Work Plan (February 2024), four free product observation wells (OW-1, OW-2, OW-3, and OW-4) were installed on February 27 and February 28, 2023

in Building 9, behind the eastern wall of Building 3 and Building 4. Free product was monitored weekly for approximately one month on March 1, March 8, March 14, March 20, March 30, April 14, and again on December 6, 2023, and February 2024. During these measurement dates, no measurable free product was observed in any of the observation wells. NYSDEC approved the abandonment of these four wells on November 21, 2024, and the abandonment work is pending.

SUB-SLAB DEPRESSURIZATION SYSTEM

While there are no existing active sub-slab depressurization systems operating at the Site, the AROD requires mitigation of impacts from the potential for soil vapor intrusion into existing or future buildings onsite before they become occupied. The office space on the main floor of Building 1 is intermittently occupied by the redevelopment personnel. While the basement sampling in Building 1 requires mitigation, access to the basement by these personnel is restricted. No other buildings were occupied in 2024.

In preparation of vapor intrusion mitigation activities, three phases of sub-slab depressurization (SSD) pilot testing were conducted between spring 2024 and winter 2024 in the lowest level of site Buildings 1, 2, 3A, 4, 5, 6, 6A, 8, 9, 10, 10A, 11A, 13A, 13B, 14, 15, 17, 18, 21, 24, 33, 34, and 35. The work included ground penetrating radar (GPR) utility locating and surveying/mapping of shallow utilities, foundations, and other subsurface features that could inhibit vacuum influence beneath the slabs. Data is being evaluated to assess the viability and effectiveness of SSD in onsite buildings intended for future redevelopment and occupancy.

A heating, ventilation, and air conditioning (HVAC) study in Building 1 was completed in 2024 to determine if building pressurization through management of HVAC controls could be an effective tool for vapor intrusion. Due to the current age and condition of the HVAC equipment, the HVAC system should not be used to assist in the control of vapor intrusion.

GROUNDWATER SEEPS

A pre-design study was performed to develop the final remedy to address the groundwater seeps (Building 24 Seep, Weir Box Seeps, and Retaining Wall Seeps). The pre-design study report dated June 23, 2023, included recommendations for the final remedy as follows.

- Building 24 Seep – provide containment at the exit from Building 24, re-routing underground to CB-03 for subsequent discharge/conveyance to the 30-inch CMP pipe which flows to Open ditch 1, Open ditch 1 Bypass, and Outfall 011.
- Weir Box Seeps – re-route discharge from the seeps to the weir box to combine flow with Outfall 001.
- Retaining Wall Sump – re-route discharge from the seeps to the weir box to combine flow with Outfall 001.

The selected remedy for the seeps were approved by the NYSDEC on September 12, 2023. The seep rerouting remedy was described in Remedial Action Work Plan Addendum 1. Seep rerouting work will be combined with the DPE and Treatment System expansion work planned to begin in July 2025.

4.2 GENERATED WASTES

Hazardous wastes generated at the Site during this reporting period include:

- 2 drums of personal protective equipment and plastic tubing from groundwater sampling activities
- 1 drum of purge water from groundwater sampling activities
- 1 drum of solids generated from cleaning extraction wells and equalization tanks associated with the DPE and Treatment System
- 1 drum of oily debris from draining equipment

The hazardous waste manifests and land disposal restriction notification forms are included in Appendix F.

4.3 IC/EC CERTIFICATION

The IC/EC Certification Form is provided in Appendix G.

5 MONITORING PLAN COMPLIANCE REPORT

5.1 MONITORING PLAN COMPONENTS

Monitoring activities were completed during the reporting period in accordance with the ISMP, with any exceptions discussed under Section 5.2. A summary of the monitoring program is presented below:

Monitoring Program	Frequency	Monitored
Site-wide Inspection	Annually	Overall Site Conditions and IC and EC Compliance
DPE and Treatment System		
System Performance Monitoring	Monthly and Quarterly	ISMP Appendix H - O&M on the DPE and Treatment System is performed monthly and the DPE System is sampled quarterly
Groundwater Monitoring	Semiannual and Annual	ISMP Appendix J – Extraction wells sampled annually, and monitoring wells sampled semiannually
NAPL Monitoring and Recovery	Quarterly	MW-8B, LBA-MW-08, LBA-MW-18, LBA-MW-35, LBA-MW-39, MW-47A-AOC-1
Site-wide Groundwater Monitoring	Annual	ISMP Appendix J
SPDES Permit Equivalent Outfalls	Monthly and Quarterly	ISMP Appendix I

5.2 MONITORING COMPLETED DURING REPORTING PERIOD

5.2.1 SITE-WIDE INSPECTION

As discussed under the IC/EC Compliance Report (Section 4 of this PRR), a site-wide inspection was performed on March 13, 2025, to verify compliance with the ICs and to evaluate the continued effectiveness of the ECs. The results of the annual inspection are described under Section 4 of this PRR and are documented on the Annual Site-Wide Inspection Form (Appendix D).

5.2.2 DPE AND TREATMENT SYSTEM

PERFORMANCE MONITORING AND MAINTENANCE

General operation of the DPE and Treatment System is monitored daily by WSP through a remote telemetry system. The remote telemetry system allows WSP to immediately act if there is a system upset condition where non-routine maintenance

is required. In addition, the DPE and Treatment System is maintained monthly by a subcontractor in accordance with the ISMP DPE System O&M Plan. Monthly maintenance activities in 2024 occurred on January 9, February 6, March 6, April 23, May 17, June 5, July 3, August 12, September 9, October 11, November 22, and December 17.

During the annual monitoring event, the DPE and Treatment System was shut down between September 16 and September 27 to measure water levels associated with the annual sampling event. This shutdown event accounted for approximately 273 hours of planned shutdown time.

The level of performance of the DPE and Treatment System is determined from the system operations and the results of influent and effluent water and vapor sampling and analysis. The results of the quarterly performance samples collected on January 25, June 3, July 25, and November 1, 2024, are discussed in the following subsections. The DPE and Treatment System operational issues and corrective measures implemented during the reporting period are also discussed below.

OPERATING RESULTS

Operational parameters including system uptime and influent and effluent mass loadings are calculated using flow rates, motor hour readings, and sample results. These parameters are used to determine system effectiveness and efficiency. The following list summarizes system performance for the reporting period of January 1 through December 31, 2024:

- System maintenance was required during the reporting period and the vapor phase portion of the DPE and Treatment System was operational for 92 percent of the reporting period (Table 2)
- The vapor phase portion operated for a total of 8,066 hours with 718 hours of downtime for planned/unplanned maintenance and sampling activities during the reporting period (Table 2)
- The system extracted a total of 210,613 gallons of groundwater at an average pumping rate of 0.39 gallons per minute (approximately 562 gallons per day) over the reporting period (Table 3); the total estimated VOC mass removal from the aqueous phase was approximately 6.01 pounds (Table 3) over the reporting period
- Five site-related CVOCs were detected in influent water samples during the reporting period including 1,1-Dichloroethene (DCE), vinyl chloride, TCE, trans-1,2-DCE, and cis-1,2-DCE (Table 4)
- The system extracted an estimated total of 1.90×10^8 standard cubic feet of vapor based on an average system flow capacity of 308 standard cubic feet per minute over the operating duration; the total estimated VOC mass removal from the vapor phase (sum of individual VOC compounds detected in the vapor stream) for this reporting period was approximately 7.3 pounds (Table 5)
- Five site-related CVOCs were detected in the influent vapor samples during the reporting period including 1,1-DCE, vinyl chloride, TCE, trans-1,2-DCE, and cis-1,2-DCE (Table 6)
- Since the start of the ISMP DPE and Treatment System on October 7, 2022, approximately 32.5 pounds of VOCs have been removed from the combined aqueous and vapor phases – approximately 12.0 pounds from aqueous phase extraction and 20.5 pounds from vapor phase extraction
- The analytical laboratory reports are included in Appendix H.

PREVENTATIVE MAINTENANCE

Planned operational shutdowns included routine O&M conducted by WSP's subcontractor, Groundwater and Environmental Services, Inc. (GES), and WSP which corresponded to a total planned downtime of approximately 21 hours (Table 2).

DPE AND TREATMENT SYSTEM CORRECTIVE MAINTENANCE AND UNPLANNED SHUTDOWNS

During the reporting period, there were 424 hours of unplanned system downtime (Table 2). GES performed the corrective maintenance under the direction of WSP. The shutdown periods and maintenance activities include:

- On July 3, July 11, July 12, July 14 and July 15 there were several air compressor low-pressure alarms. After each alarm was received, the system was restarted. While the reason is unknown, it is likely due to a brief power outage, which automatically shut down the system, resulting in approximately 41 hours of system downtime.

- From January 18 to 20, February 28 to 29, March 1 to 7, April 22 to 23, and May 7 to 8, and single dates of May 25, November 3, and November 8, the system was shut down due to electrical phase alarms. The electrical panel was reset during each alarm event and the system was restarted. These shutdowns accounted for 360 hours of system downtime.
- A high-level alarm in the air stripper on October 11 and a high level alarm in the equalization tank from October 13 to 16 briefly shut down the system. The system alarms were cleared and reset and the system was restarted. These two shutdowns accounted for 23 hours of system downtime.

DPE AND TREATMENT SYSTEM MONITORING RESULTS

AQUEOUS PHASE SAMPLING

Aqueous phase sampling is conducted on a quarterly basis at four locations along the treatment process – system influent, post-air stripper, mid-point between the two carbon vessels, and post-carbon treatment (effluent discharge location). During the PRR reporting period, quarterly events were conducted in January, June, July, and November 2024. Site-related CVOCs detected in influent water samples during the reporting period include 1,1-DCE, vinyl chloride, TCE, trans-1,2-DCE, and cis-1,2-DCE (Table 4). Of the five CVOCs detected, the July sample contained the highest concentrations of 1,1-DCE (9.2 µg/l), cis-1,2-DCE (4,150 µg/l), trans-1,2-DCE (29.2 µg/l), and TCE (2,610 µg/l) while the highest concentration of vinyl chloride was detected in the January sample (95.8 µg/l). Low levels of cis-1,2-DCE were detected in the system effluent ($\leq$5.4 µg/l) samples. This compound has historically been observed in the DPE and Treatment System effluent samples.

VAPOR PHASE SAMPLING

Vapor phase sampling is conducted on a quarterly basis at two locations along the treatment process – influent and post-carbon treatment. During the reporting period, vapor samples were collected during January, June, July, and November 2024. CVOCs were detected in the DPE and Treatment System vapor emissions as shown in Table 6; however, the emission concentrations were within the allowable NYSDEC emissions guidance (ISMP, Appendix H – O&M Plan, Appendix H – Guidance for Air Emissions Compliance). The site-related CVOCs detected in the influent vapor samples during the reporting period include 1,1-DCE, vinyl chloride, TCE, trans-1,2-DCE, and cis-1,2-DCE (Table 6). The highest concentrations were detected in the June sampling event.

WSP used the EPA AERSCREEN model following NYSDEC guidance to estimate the air emissions from the treatment system and selected TCE since it has the most stringent emissions controls. Based on the model, TCE emissions must be equal to or less than 4.4 ppmv from the discharge stack of the treatment system (after carbon treatment). Once the between carbon vessel concentration for TCE exceeds 4.4 ppmv, both vapor carbon vessels will be changed out with new virgin granular activated carbon. The carbon shall be immediately changed if the TCE emissions are equal to or greater than 44 ppmv. During the reporting period, the concentrations of TCE were well below the emissions limits.

DPE SYSTEM EFFECTIVENESS GROUNDWATER MONITORING

Samples were collected from the extraction wells (annually) and from select monitoring wells (semi-annually) to monitor DPE System effectiveness in accordance with the ISMP, Appendix J Monitoring and Sampling Plan. The extraction wells were sampled in September 2024, and the monitoring wells were sampled in April and September 2024 and analyzed for VOCs. Table 7 provides a summary of the wells sampled, the analytical parameters, the monitored zone, and the sampling method. Wells included in the monitoring program are shown on Figure 6. A summary of the groundwater sampling events follows:

- Groundwater depth measurements taken during the September sampling event as well as the calculated groundwater elevations and drawdowns are presented in Table 8, and shown on Figures 7, 8, and 9; groundwater depth measurements collected in April 2024 are presented in Table 9.
- Groundwater sample results are presented in Table 10 for the annual event and Table 11 for the semi-annual event and shown on Figures 10, 11, and 12 for the September event and on Figures 13, 14, and 15 for the April event.
- Historical CVOC results are provided in Table 12.
- The distribution of CVOC-affected groundwater is provided in updated plume diagrams on Figures 16, 17, and 18.

– Trend monitoring graphs (i.e., micromoles vs. time) that present CVOC groundwater results in extraction and monitoring wells following treatment system expansion activities conducted in 2015 to the most current sampling results are included in Appendix I.

The analytical laboratory reports are included in Appendix H, the Data Usability and Summary Reports are included in Appendix J, and monitoring well purge records are included in Appendix K.

The results of the April and September 2024 groundwater sampling events to monitor the effectiveness of the DPE System indicate that the plume of CVOC-affected groundwater continues to be captured by the hydraulic containment system as evidenced by the drawdown maps in Figures 7, 8, and 9. Drawdown measurements (i.e., at EXB-07) collected during pumping conditions have historically shown C-zone capture within the C-zone to B-zone discharge area. Results from MW-32B (44 µg/l CVOCs) indicate that the C-zone groundwater is discharging to the downgradient overlying B-zone. Despite elevated concentrations in the plume area extraction wells, the downgradient B-zone monitoring wells continue to show decreasing trends. Based on the groundwater sampling results, updated plume maps, and the trend analyses in Appendix I, the DPE and Treatment System continues to be an effective remedy for groundwater in the vicinity of the former fire water reservoir.

5.2.3 NAPL MONITORING AND RECOVERY

NAPL thickness measurements were collected on February 16, April 19, July 30, and October 29, at the following locations MW-8B, LBA-MW-08, LBA-MW-18, LBA-MW-35, LBA-MW-39, and MW-47A-AOC-1.

- MW-8B: NAPL was detected with an apparent thickness of 0.01 feet during the February event; however, NAPL was not detected during the April, July, and October events. 0.16 gallons of NAPL were recovered
- LBA-MW-08: NAPL was not detected during the February, April, and July events, and 0.01 feet was measured during the October event; 0.20 gallons of NAPL were recovered
- LBA-MW-18: NAPL was not detected during the February, April, July, and October events, and 0 gallons of NAPL were recovered
- LBA-MW-35: NAPL was detected with an apparent thickness of 0.02 feet during February and July events, and 0.01 feet during April and October events; 1.06 gallons of NAPL were recovered
- LBA-MW-39: NAPL was detected with an apparent thickness of 0.01 feet during the April and October events; however, no NAPL was detected during the February and July events. 0.12 gallons of NAPL were recovered
- MW-47A-AOC-1: NAPL was not detected in February, April, July, and October events, 0 gallons of NAPL was recovered.

Between the period of January 1 and December 31, 2024, a total of 1.54 gallons of NAPL was recovered from the NAPL monitoring wells at the Site.

After seven NAPL monitoring events in 2023 at observation wells OW-1, 2, 3, and 4 in Building 9, one additional event was performed in 2024 on February 16. No measurable thickness of free product was ever recorded in any of these observation wells. As previously reported, the NYSDEC approved cessation of monitoring and well abandonment.

5.2.4 SITE-WIDE GROUNDWATER MONITORING

Groundwater samples were collected for the site-wide monitoring program in September 2024. It should be noted that in 2023, the annual groundwater sampling event occurred in the spring instead of the fall as indicated on Table 7; however, beginning in 2024, groundwater samples were collected in the proper sequence as required in Table 2.2 in Appendix J of the ISMP. Table 7 also provides information for the analytical parameters, the monitored zone, and the sampling method. The ISMP groundwater monitoring wells for the site-wide monitoring program are presented in Figure 6.

GROUNDWATER SAMPLING

This section provides the results of the depth-to-water measurements and analytical results for semi-annual groundwater samples that were collected in April and September 2024.

- Groundwater depth measurements taken during the sampling events as well as the calculated groundwater elevations and drawdowns are presented in Table 8 for the annual monitoring event in September, and shown on Figures 7, 8, and 9.
- Groundwater samples were collected on an annual basis to assess site-wide groundwater quality for CVOCs, barium, and cyanide; Table 10 and Figures 10, 11, and 12 present the analytical results for the September event.
- Historical sampling results for all ISMP Groundwater Monitoring Plan monitoring wells are presented in Table 12 (CVOCs) and Table 13 (barium and cyanide). Figure 19 also presents barium and cyanide historical results.
- Trend monitoring graphs (i.e., micromoles vs. time) that present groundwater results for extraction wells and monitoring wells following Treatment System expansion activities conducted in 2015 to the most current sampling results are included in Appendix I.
- The analytical laboratory reports are included in Appendix H, the Data Usability and Summary Reports are included in Appendix J, and monitoring well purge records are included in Appendix K.
- Monitoring well WSP-MW-04B was inadvertently sampled for barium instead of VOCs during the annual September event.

The results for the annual site-wide groundwater quality monitoring show increases in CVOC concentrations in MW-40T (4,644 µg/l), MW-1B (1,057 µg/l), MW-5B (2,352 µg/l and MW-7B (146 µg/l) in the B-zone groundwater. Decreases in CVOC concentrations were observed in LBA-MW-34N (64 µg/l) in the B-zone groundwater and MW-5-100 (10 µg/l) and MW-16-100 (6 µg/l) in the D zone groundwater. No change or decreases in CVOC concentrations were recorded in the remainder of the B-, C-, and D-zone site-wide monitoring well network for CVOCs. The downgradient delineation wells MW-22B and MW-20B did not exceed evaluation criteria for CVOCs.

The barium and cyanide sampling conducted in September 2024 was the second annual monitoring event performed under the ISMP, therefore, no trend analysis has been performed. A trend analyses for barium and cyanide will be included in the 2025 PRR following the third annual sampling event. Barium concentrations exceeded the 1,000 µg/l criterion in B-zone wells LBA-MW-18, LBA-MW-26, LBA-MW-34N, and LBA-MW-35 and in C-zone wells MW-44T, WSP-MW-06C, and LBA-MW-43S. The downgradient B-zone delineation well MW-31B, which also receives C-zone groundwater as previously described, contained less than 200 µg/l of barium, well below the 1,000 µg/l evaluation criterion.

Cyanide concentrations exceeded the 0.2 mg/l criterion in B-zone wells WSP-MW-04B, LBA-MW-08, MW-19B[3], LBA-MW-30, LBA-MW-35, LBA-MW-39, and LBA-MW-43N. Cyanide was not detected above the evaluation criterion the downgradient B-zone delineation well WSP-MW-08B (0.039 mg/l). In the C-zone, cyanide concentrations exceeded the evaluation criteria in well LBA-MW-43S. Cyanide in the downgradient C-zone delineation well MW-44T (0.033 mg/l) was well below the evaluation criterion.

In summary, site-wide CVOC, barium, and cyanide concentrations continue to fluctuate within the onsite plume areas in the B- and C-zone groundwater. Based on the act of the C-zone discharging to B-zone groundwater and the groundwater results for the downgradient monitoring wells, the plumes are fully delineated to the evaluation criteria onsite.

CYANIDE IN MW-19B

As discussed in the 2023 PRR, monitoring well MW-19B was installed in December 2023. A groundwater sample was collected on December 27, 2023 and analyzed for total cyanide by SGS Laboratory in Dayton, New Jersey by EPA Method 335.4. The total cyanide result was 91.2 mg/l (Table 10). This result was two orders of magnitude above the concentration of cyanide in previous well LBA-MW-19 located nearby. Therefore, samples were again collected in January 2024 to assess the effect of turbidity on the result. The well was purged dry by bailing every day for 2 weeks followed by sample collection for analysis by SGS Laboratory using EPA Method 335.4 in both a filtered and unfiltered sample. The results were 58.6 mg/l and 101 mg/l, respectively. The well was again sampled in April 2024 to assess future health and safety precautions, to assess potential differences in analytical methods and laboratories, and to determine the types of cyanide present in the groundwater. On April 23, 2024, samples were collected and shipped to Alloway laboratory in Marion, Ohio to be analyzed by three different methods (two for total cyanide and one for free cyanide). The total cyanide analysis result by EPA Method 335.4 was 8.61 mg/l and by ASTM D7511-12 was 14.35 mg/l, and the free cyanide analysis result by ASTM-D7237-15A was 0.146 mg/l. The total cyanide results were within the expected range for this area of the site.

[3] MW-19B is the replacement well for LBA-MW-19 that was inadvertently abandoned.

Based on the results described above, MW-19B was added to the site-wide groundwater monitoring program to replace LBA-MW-19. During the site-wide sampling event conducted on September 26, 2024, cyanide was detected at 22.7 mg/l which was slightly higher than the April results (Table 10). Cyanide will continue to be monitored at this location in accordance with the ISMP.

5.2.5 SPDES PERMIT EQUIVALENT OUTFALLS

Emerson has been complying with the SPDES permit equivalent since September 7, 2022, which is the date when the SPDES permit (NY 0002933) for the Site was terminated by the NYSDEC, Division of Environmental Permits. In compliance with the SPDES permit equivalent[4] (Appendix E), water discharge samples were collected during the reporting period from the following outfalls:

Outfall No.	Description	Dates Sampled During PRR Reporting Period (2024)	Constituents Analyzed
01A	Internal outfall where treated groundwater is monitored	January 24, February 12, March 7, April 15, May 16, June 17, July 9, August 15, September 12, October 29, November 11, and December 4	Flow, pH, temperature, PCE, TCE, dichlorobenzenes, bromoform, chlorobenzene, chlorodibromomethane, chloroform, free cyanide, dichlorobromomethane, 1,1-dichloroethane, 1,1-DCE, methylene chloride, 1,1,2,2-tetrachloroethane, toluene, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-trichloroethane, total xylenes, vinyl chloride, benzene
001	Stormwater, groundwater seepage, and treated groundwater	January 24, February 12, April 15, May 16, July 9, August 15[5], October 29, November 11	Flow, pH, total lead, PCE, TCE
		March 7, June 17, September 12, December 4	Flow, pH, total barium, total lead, mercury, PCE, TCE, free cyanide
		August 20	pH
009	Stormwater and groundwater seepage	March 7, June 17, September 12	Free cyanide
011	Stormwater and groundwater seepage	No samples required to be collected	Not applicable

The results for each outfall sampled from January through December 2024 were provided to the NYSDEC in WSP correspondence, dated February 6 and 26, March 21, April 29, May 30, June 28, August 2 and 28, September 26, November 8 and 25, and December 30, 2024. Depending on the parameter, samples were analyzed either in the field or by offsite laboratories accredited under the New York State's Environmental Laboratory Approval Program. Analytical methods were approved under Title 40 Code of Federal Regulations Part 136. The sample results for each outfall are summarized in Tables 14 through 16 and discussed below.

[4] The original SPDES permit equivalent was issued on August 1, 2022. A modified SPDES permit equivalent was issued on October 11, 2024.
[5] Two samples from Outfall 001 were collected and analyzed in the field for pH on August 15, 2024.

OUTFALL 01A

Outfall 01A is the outfall for the DPE and Treatment System and is located inside on the south wall of the treatment building in OU-1 (Figure 2). Treated groundwater is batch discharged to Outfall 01A, which then discharges to Outfall 001 located approximately 150 feet to the south. Monthly discharge samples were collected from Outfall 01A in January through December 2024, and analyzed for flow, pH, temperature, specific VOCs, and free cyanide. No discharge limits were exceeded during the reporting period (Table 14). The only compound detected in Outfall 01A during the reporting period was cis-1,2-DCE. All monthly discharge samples had detections of cis-1,2-DCE at concentrations ranging from 2.4 µg/l to 5.3 µg/l, which are all below the discharge limit of 10 µg/l.

OUTFALL 001

Outfall 001, which is located in OU-1, receives treated groundwater from Outfall 01A, groundwater seepage from Building 18 via Outfall 004, stormwater from the north central part of the Site, and groundwater seepage via Outfall 005. Outfall 001 discharges to a storm sewer and then to Six Mile Creek. Monthly discharge samples were collected in January through December 2024, and analyzed for flow, pH, total lead, PCE, and TCE (Table 15). In compliance with the SPDES permit equivalent, samples were also analyzed for total barium, mercury, and free cyanide in March, June, September, and December 2024.

No PCE, TCE, or free cyanide were detected in any of the samples during the reporting period (Table 15). Barium, which does not have a discharge limit, was detected at estimated concentrations ranging from 75.6 µg/l to 139 µg/l in samples collected in March, June, September, and December 2024. Lead was detected in 1 of 12 samples at a concentration of 3.0 µg/l, which is less than the discharge limit of 7.4 µg/l. Mercury, which does not have a discharge limit, was detected in 3 of 4 samples collected during the reporting period at an estimated concentration of 0.22 nanograms per liter (ng/l) to 2.0 ng/l.

On August 15, 2024, the initial pH measurement collected from Outfall 001 was 8.7 standard units (SU), which exceeds the maximum pH SPDES permit equivalent limit of 8.5 SU. However, subsequent pH measurements collected from Outfall 001 on August 15 and 20, 2024, were 8.2 SU and 8.3 SU, which are below the maximum pH limit of 8.5 SU. The source of the pH exceedance on August 15, 2024, was unknown. No other exceedances of the pH limit occurred during the reporting period.

OUTFALL 009

Outfall 009 is located in OU-2, west of Building 6A (Figure 2). Discharges from Outfall 009 consist of groundwater seepage and stormwater from the south-central part of the Site. Outfall 009 discharges to a storm sewer, then to an unnamed tributary, and then to Six Mile Creek. During the reporting period, samples were collected from Outfall 009 in March, June, and September 2024 that were analyzed for free cyanide (Table 16). No free cyanide was detected in any of the samples during the reporting period.

In correspondence, dated August 28, 2024, WSP informed the NYSDEC that Emerson met the requirements of the SPDES permit equivalent's Schedule of Compliance for cyanide as it pertains to Outfall 009. The Schedule of Compliance requires that "The permittee shall monitor for Free Cyanide [at Outfall 009] at the frequency specified in the effluent limit tables. Following 2 years of monitoring, permittee shall submit a report summarizing free Cyanide trends and if the final effluent limits are exceeded, measures to be taken to meet final limits and a schedule to be made enforceable under this permit equivalent." Because no free cyanide was detected in the discharge from this outfall from September 2022 to June 2024, Emerson requested that the SPDES permit equivalent be revised by eliminating the requirement of collecting quarterly discharge samples from Outfall 009 for free cyanide. The NYSDEC approved this request and issued a modified SPDES permit equivalent on October 11, 2024, that removed the requirement of quarterly free cyanide monitoring at Outfall 009 (Appendix E).

5.3 COMPARISONS WITH REMEDIAL OBJECTIVES

Evaluation of the performance and groundwater monitoring data indicates the IC/ECs have demonstrated progress toward the attainment of the remedial objectives. As the complete achievement of the remedial objectives has not been reached, continued implementation of the IC/ECs will be necessary during 2025.

5.4 MONITORING DEFICIENCIES

No monitoring deficiencies were identified during the reporting period.

5.5 CONCLUSIONS AND RECOMMENDATIONS FOR CHANGES

Based on the monitoring completed during the reporting period, the DPE and Treatment System and NAPL recovery efforts continue to be effective in removing CVOCs and NAPL from the subsurface. Therefore, no changes are recommended to the monitoring plan.

6 O&M PLAN COMPLIANCE REPORT

6.1 O&M PLAN COMPONENTS

6.1.1 DPE AND TREATMENT SYSTEM

DPE and Treatment System O&M consists of routine monthly, quarterly, semi-annual, annual, and biennial maintenance. In addition, specific equipment maintenance is spread throughout the year as preventative measures.

	January	February	March	April	May	June	July	August	September	October	November	December
Routine Monthly Maintenance	X	X	X	X	X	X	X	X	X	X	X	X
Specific Equipment Monthly Maintenance	X	X	X	X	X	X	X	X	X	X	X	X
Routine Quarterly Maintenance	X			X			X			X		
Routine Semi-Annual Maintenance		X						X				
Routine Annual Maintenance			X									
Routine Biennial Maintenance					X							
Specific Equipment Maintenance												
Air Compressor			X				X	X				
Replace Bag Filters	X						X			X		
Vacuum Blower				X	X	X	X	X	X	X		
Equalization Tank		X										
Process and Discharge Flow Meters			X							X		
Clean Bag Filter Housing									X			
Clean Air Stripper Trays and Housing							X					
Well Vault Maintenance						X						
Building and Equipment Cleaning							X					

6.1.2 NAPL RECOVERY

The NAPL recovery consists of the removal of an oil-only absorbent sock, measurement of NAPL thickness and redeployment of an oil-only absorbent sock in each NAPL monitoring and recovery location, if greater than 0.01-feet of NAPL thickness is measured. If NAPL measures less than 0.01-feet, then a sorbent sock is not deployed in the monitoring well during that specific quarter. NAPL recovery is performed for the following wells:

Location	Monitor	Activity	Frequency
MW-8B	NAPL	Spent Sorbent Removal	Quarterly
MW-8B	NAPL	NAPL Measurement	Quarterly

MW-8B	NAPL	Sorbent Deployment	Quarterly
LBA-MW-08	NAPL	Spent Sorbent Removal	Quarterly
LBA-MW-08	NAPL	NAPL Measurement	Quarterly
LBA-MW-08	NAPL	Sorbent Deployment	Quarterly
LBA-MW-18	NAPL	Spent Sorbent Removal	Quarterly
LBA-MW-18	NAPL	NAPL Measurement	Quarterly
LBA-MW-18	NAPL	Sorbent Deployment	Quarterly
LBA-MW-35	NAPL	Spent Sorbent Removal	Quarterly
LBA-MW-35	NAPL	NAPL Measurement	Quarterly
LBA-MW-35	NAPL	Sorbent Deployment	Quarterly
LBA-MW-39	NAPL	Spent Sorbent Removal	Quarterly
LBA-MW-39	NAPL	NAPL Measurement	Quarterly
LBA-MW-39	NAPL	Sorbent Deployment	Quarterly
MW-47A-AOC-1	NAPL	Spent Sorbent Removal	Quarterly
MW-47A-AOC-1	NAPL	NAPL Measurement	Quarterly
MW-47A-AOC-1	NAPL	Sorbent Deployment	Quarterly

6.2 O&M COMPLETED DURING REPORTING PERIOD

6.2.1 DPE AND TREATMENT SYSTEM

Twelve monthly DPE and Treatment System O&M visits were performed during the 2024 reporting period on the following dates: January 9, February 6, March 6, April 23, May 17, June 5, July 3, August 12, September 9, October 11, November 22, and December 17. The DPE and Treatment System was operational during the reporting period except when it was turned off to perform maintenance or conduct groundwater monitoring activities, and during unplanned events as described in Section 5.2.2. During each O&M visit, operating parameters associated with the DPE and Treatment System equipment and extractions wells were recorded on an O&M checklist (Appendix L). DPE and Treatment System maintenance was completed in accordance with the ISMP O&M Plan (ISMP Appendix H).

6.2.2 NAPL RECOVERY

Four quarterly NAPL Recovery O&M visits were performed during the 2024 reporting period on the following dates: February 16, April 19, July 30, and October 29. NAPL thickness monitoring and recovery was performed at monitoring wells MW-8B, LBA-MW-08, LBA-MW-18, LBA-MW-35, LBA-MW-39, and MW-47-AOC-1. A total of 1.54 gallons of NAPL were recovered from these wells in 2024.

6.3 EVALUATION OF REMEDIAL SYSTEMS

6.3.1 DPE AND TREATMENT SYSTEM

The operating parameters for the DPE and Treatment System equipment and extraction wells were generally consistent with the optimal operating conditions specified in the ISMP O&M Plan. Overall, the DPE and Treatment System operated as designed and continues to be effective.

6.3.2 NAPL RECOVERY

Passive NAPL recovery continues to be effective using oil-only absorbent socks deployed in select monitoring wells. Overall, the NAPL recovery efforts operated as designed and continue to be effective.

6.4 O&M DEFICIENCIES

Minor deficiencies with respect to the O&M plan were documented during the reporting period; however, these deficiencies did not affect the overall performance of the systems.

6.5 CONCLUSIONS AND RECOMMENDATIONS FOR IMPROVEMENTS

The DPE and Treatment System and NAPL monitoring and recovery efforts are performing as designed and continue to be effective. No recommendations for improvements are suggested for 2025.

7 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

7.1 COMPLIANCE WITH ISMP

Based on the results of the annual site inspection and other data gathered during the reporting period, the requirements of the IC/EC, monitoring, and O&M plans were met.

7.2 PERFORMANCE AND EFFECTIVENESS OF REMEDY

Based on an evaluation of the information gathered during the implementation of the ISMP, the DPE and Treatment System and NAPL monitoring and recovery efforts are performing as designed.

7.3 FUTURE PRR SUBMITTALS

The next PRR will be submitted in May 2026. No changes to the PRR reporting schedule are recommended at this time.

FIGURES

DWG. Name: 31401515.0001-Figure 1

Checked: JRB 10/18/21
Approved: BAP 10/18/21

Drawn By: RLD 10/15/21

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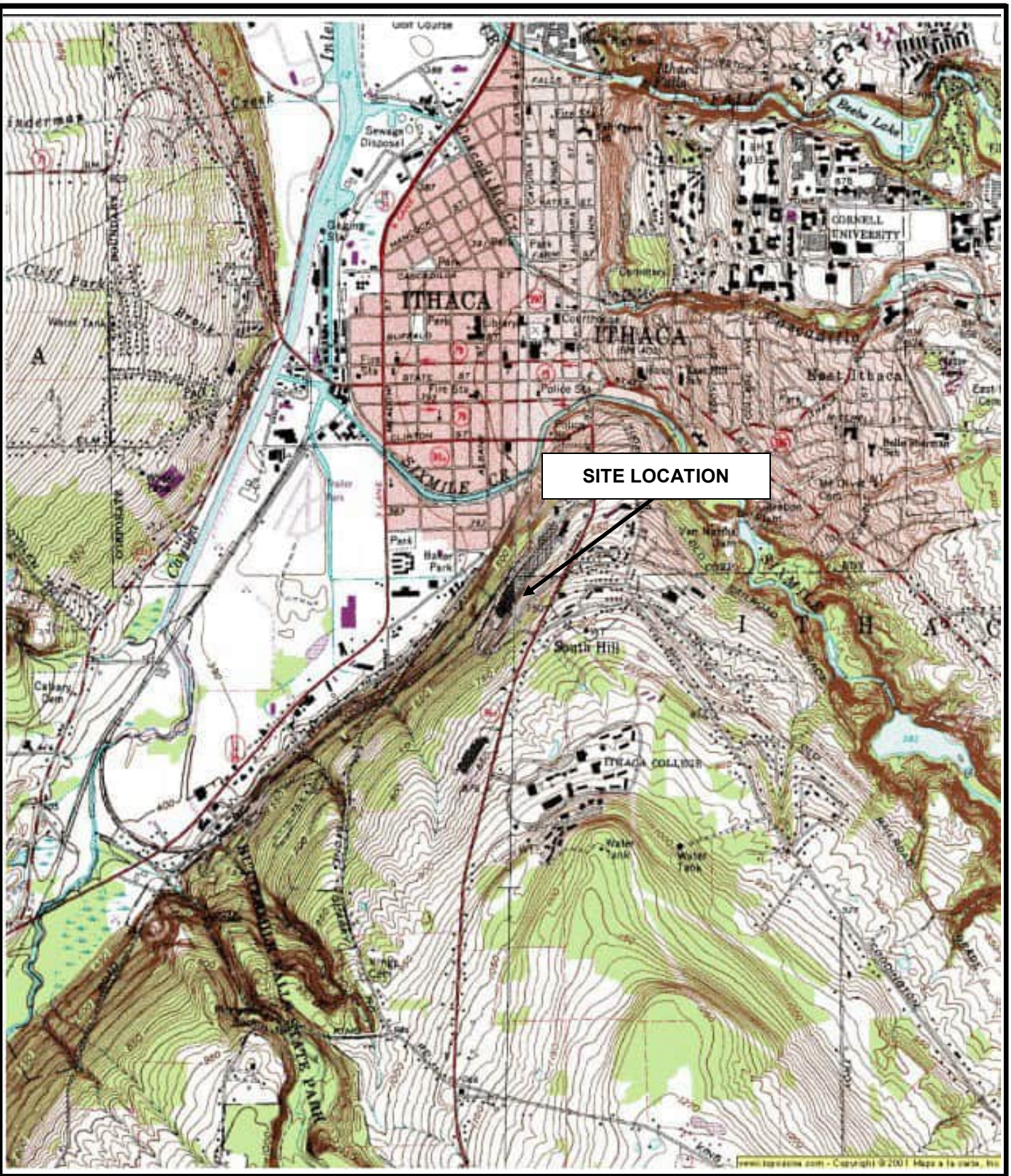
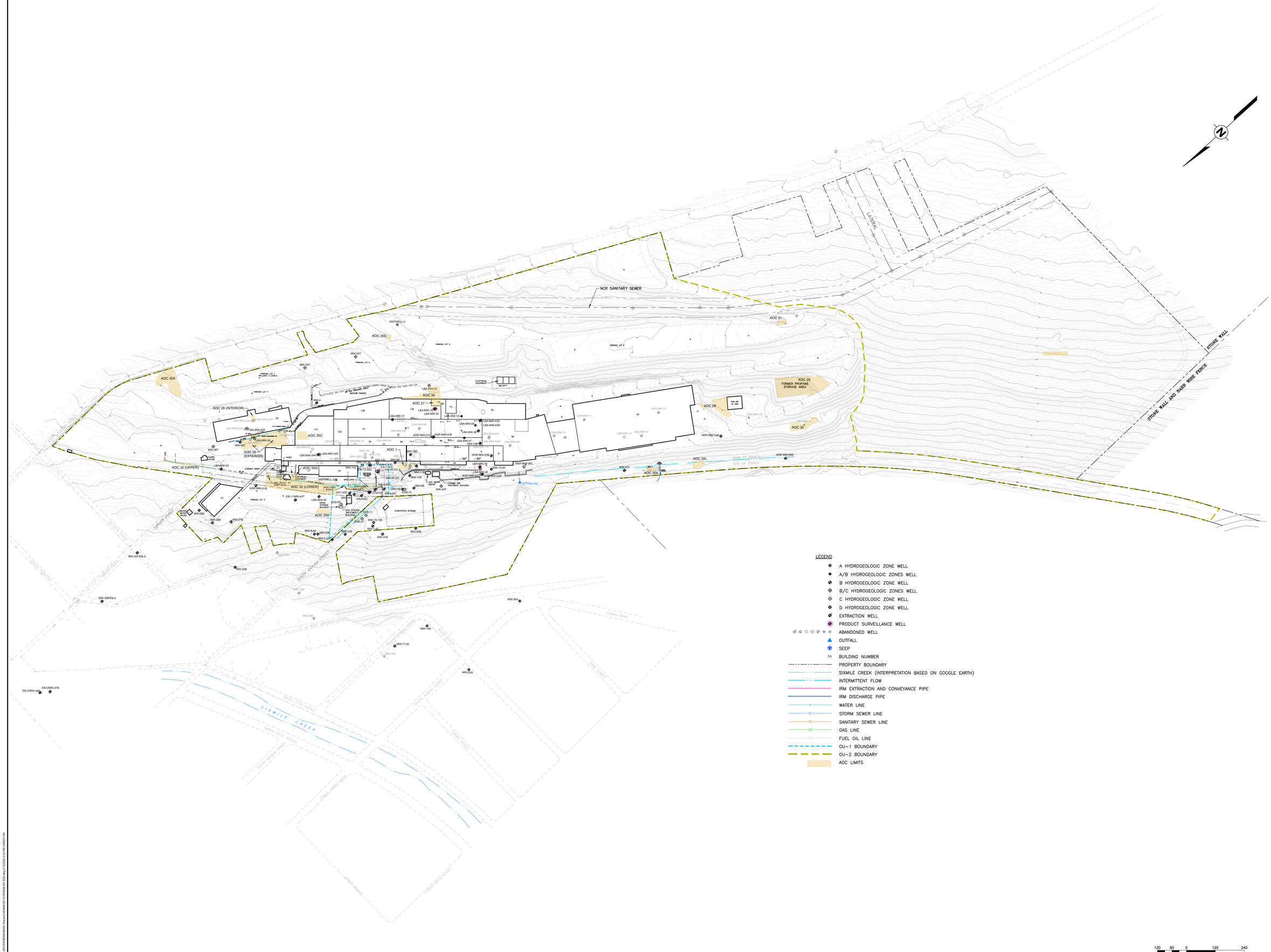
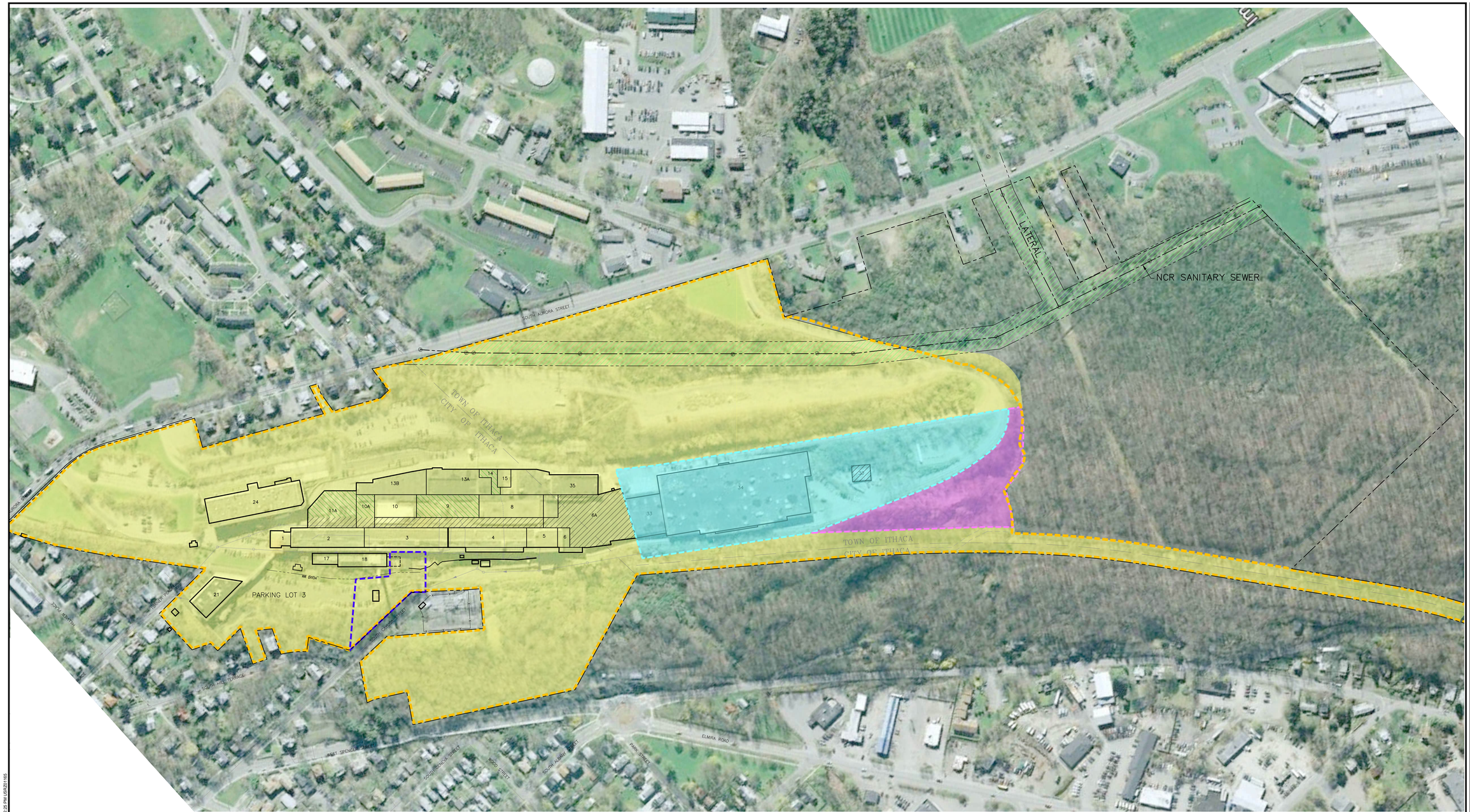

SITE LOCATION
ITHACA
ITHACA
CORNELL UNIVERSITY
South Hill
ITHACA COLLEGE
Cliff Park
Sewage Disposal
Fire Sta.
Police Sta.
Water Tank
Water Tank
Calvary Cem.
Inlet
Creek
Cayuga Inlet
Six Mile Cr.
Six Mile Cr.
Fall Creek
Fall Creek
Fall Creek


NCR SANITARY SEWER
STONE WALL
STONE WALL AND BARB WIRE FENCE
LATERAL
NORTH AURORA STREET
SOUTH CAYUGA STREET
SOUTH ALBANY STREET
SOUTH TIOGA STREET
SOUTH AURORA STREET
SOUTH MEADOW STREET
SOUTH GEDDA STREET
SOUTH CLINTON STREET
SOUTH CORNELL STREET
SOUTH HARRIS STREET
SOUTH NEWMAN STREET
SOUTH RITUS AVENUE
NORTH RITUS AVENUE
TURNER PLACE
SILVER STREET
WEST SENECA STREET
WEST GREEN STREET
ELMIRA ROAD
ROUTE 96
PARK STREET
CENTER STREET
SIMILE CREEK
CITY OF ITHACA
TOWN OF ITHACA
AOC 1
AOC 26 (INTERIOR)
AOC 26 (EXTERIOR)
AOC 27
AOC 28
AOC 29
FORMER PROPANE STORAGE AREA
AOC 30
AOC 31
AOC 32 (UPPER)
AOC 32 (LOWER)
AOC 33G
AOC 33H
AOC 34
AOC 35A
AOC 35C
AOC 35D
AOC 35L
AOC 35K
PARKING LOT 1
PARKING LOT 2
PARKING LOT 3
PARKING LOT 4
PARKING LOT 5
PARKING LOT 6
PARKING LOT 7
PARKING LOT 8
PARKING LOT 9
PARKING LOT 10
PARKING LOT 11
PARKING LOT 12
PARKING LOT 13
PARKING LOT



LEGEND

34	BUILDING NUMBER
	EASEMENT FOR NCR SEWER
	SANITARY SEWER
	PROPERTY BOUNDARY
	BOUNDARY FOR OU–1 (RETAINED PROPERTY)
	BOUNDARY FOR OU–2

LEGEND

	AREA WHERE RESTRICTED RESIDENTIAL USE SOCs ARE APPLIED
	AREA WHERE COMMERCIAL USE SCOs ARE APPLIED
	AREA WHERE INDUSTRIAL USE SCOs ARE APPLIED
	PROPOSED DEMOLITION AREA FOR GREEN SPACE
	PROPOSED DEMOLITION AREA FOR ROADWAY/PARKING

N

150 0 150 300

SCALE, FEET

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CHECKED JRB 05/20/2024

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FIGURE 3

Drawing Number

314P5608.001–D23

NYSDOH
SOIL VAPOR / INDOOR AIR MATRICES
MAY 2017

MATRIX A: Trichloroethene (TCE), cis-1,2-Dichloroethene (cis-DCE), 1,1-Dichloroethene (1,1-DCE) Carbon Tetrachloride (CT)

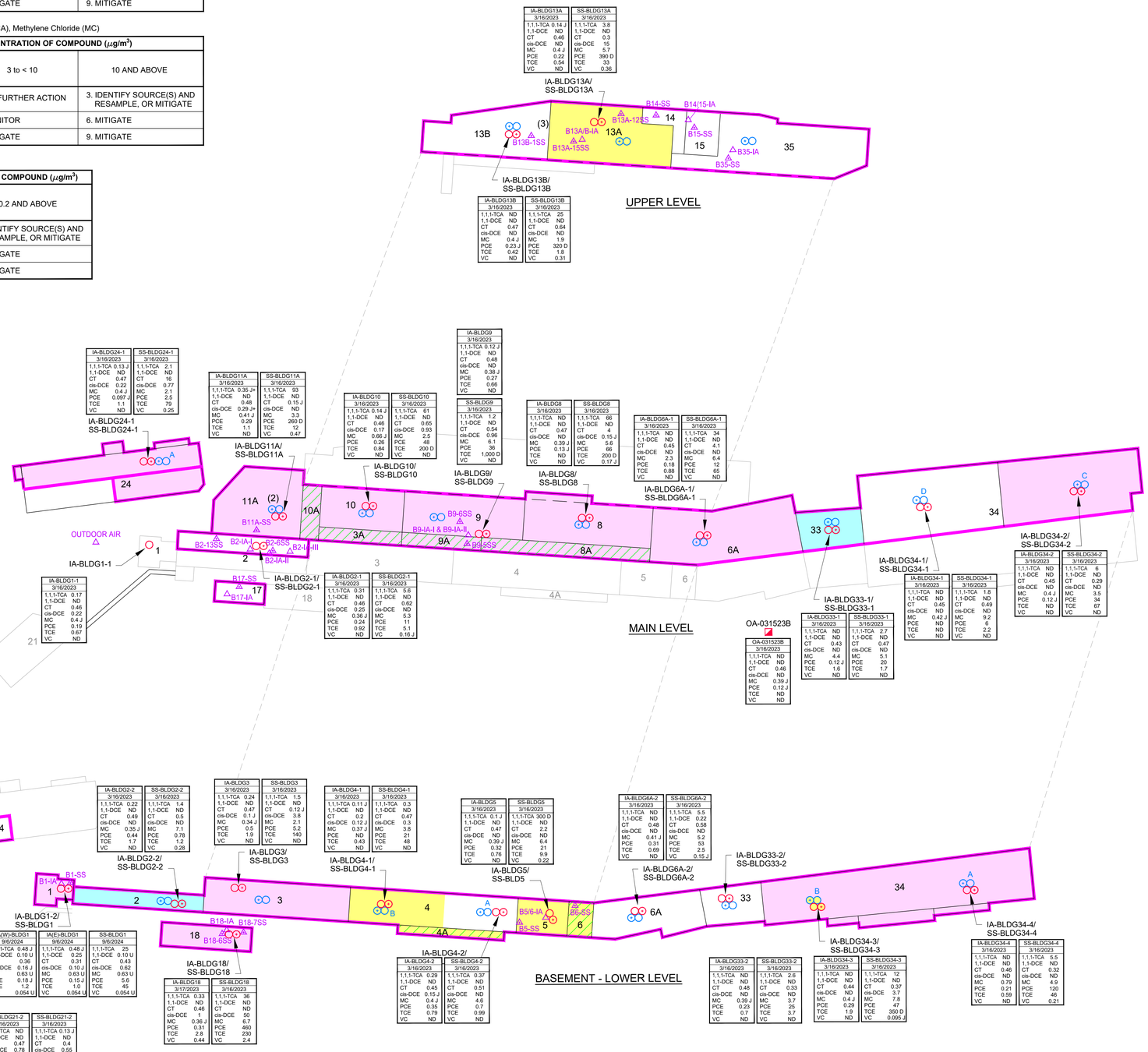
	INDOOR AIR CONCENTRATION OF COMPOUND ($\mu g/m^3$)		
SUB-SLAB VAPOR CONCENTRATION OF COMPOUND ($\mu g/m^3$)	< 0.2	0.2 to < 1	1 AND ABOVE
< 6	1. NO FURTHER ACTION	2. NO FURTHER ACTION	3. IDENTIFY SOURCE(S) AND RESAMPLE, OR MITIGATE
6 to < 60	4. NO FURTHER ACTION	5. MONITOR	6. MITIGATE
60 AND ABOVE	7. MITIGATE	8. MITIGATE	9. MITIGATE

MATRIX B: Tetrachloroethene (PCE), 1,1,1-Trichloroethane (1,1,1-TCA), Methylene Chloride (MC)

	INDOOR AIR CONCENTRATION OF COMPOUND ($\mu g/m^3$)		
SUB-SLAB VAPOR CONCENTRATION OF COMPOUND ($\mu g/m^3$)	< 3	3 to < 10	10 AND ABOVE
< 100	1. NO FURTHER ACTION	2. NO FURTHER ACTION	3. IDENTIFY SOURCE(S) AND RESAMPLE, OR MITIGATE
100 to < 1,000	4. NO FURTHER ACTION	5. MONITOR	6. MITIGATE
1,000 AND ABOVE	7. MITIGATE	8. MITIGATE	9. MITIGATE

MATRIX C: Vinyl Chloride (VC)

	INDOOR AIR CONCENTRATION OF COMPOUND ($\mu g/m^3$)	
SUB-SLAB VAPOR CONCENTRATION OF COMPOUND ($\mu g/m^3$)	< 0.2	0.2 AND ABOVE
< 6	1. NO FURTHER ACTION	3. IDENTIFY SOURCE(S) AND RESAMPLE, OR MITIGATE
6 to < 60	4. MONITOR	4. MITIGATE
60 AND ABOVE	5. MITIGATE	6. MITIGATE



LEGEND

- INDOOR AIR SAMPLE (MARCH 2023)
- SUB-SLAB SOIL VAPOR SAMPLE (MARCH 2023)
- OUTDOOR AIR SAMPLE (MARCH 2023)
- WSP INDOOR AIR SAMPLE (2005, 2006, 2009, or 2010)
- WSP SUB-SLAB SOIL VAPOR SAMPLE (2005, 2006, 2009, or 2010)
- LABELLA INDOOR AIR SAMPLE (2013)
- LABELLA SUB-SLAB SOIL VAPOR SAMPLE (2013)
- 11A FACILITY BUILDING NUMBER
- SLAB ON GRADE
- NO FURTHER ACTION
- IDENTIFY SOURCES AND RESAMPLE, OR MITIGATE
- MONITOR
- MITIGATE
- NOT DIRECTLY TESTED; ACTION BASED ON NEARBY SAMPLE LOCATIONS AND BUILDING CONDITIONS

SS-BLDG6A-2 — SAMPLE ID
3/16/2023 — SAMPLING DATE
5.2 — SUB-SLAB SOIL VAPOR OR INDOOR AIR CONCENTRATION IN $\mu g/m^3$
0.15 J

CONSTITUENTS

- $\mu g/m^3$ MICROGRAMS PER CUBIC METER
- 1,1,1-TCA 1,1,1-TRICHLOROETHANE
- 1,1-DCE 1,1-DICHLOROETHENE
- CT CARBON TETRACHLORIDE
- cis-DCE cis-1,2-DICHLOROETHENE
- MC METHYLENE CHLORIDE
- PCE TETRACHLOROETHENE
- TCE TRICHLOROETHENE
- VC VINYL CHLORIDE
- ND ANALYTE NOT DETECTED
- J ANALYTE DETECTED AT OR BELOW QUANTITATION LIMIT
- J+ RELATIVE PERCENT DIFFERENCE BETWEEN PRIMARY AND FIELD DUPLICATE SAMPLE RESULTS EXCEEDING ACCEPTANCE CRITERIA
- D RESULT IS FROM A DILUTION

NOTES:

1. SAMPLES WERE COLLECTED OVER A 24-HOUR PERIOD FROM MARCH 15 TO MARCH 16, 2023.

2. IF A FIELD DUPLICATE SAMPLE WAS COLLECTED AT A SAMPLE LOCATION, THE HIGHEST DETECTED CONCENTRATION OF EACH COMPOUND IS PRESENTED.

100 0 100 200
SCALE, FEET

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SUB-SLAB SOIL VAPOR, INDOOR AIR, AND OUTDOOR AIR SAMPLING LOCATIONS AND RESULTS

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FIGURE 4

Drawing Number
314P5608.001-D65

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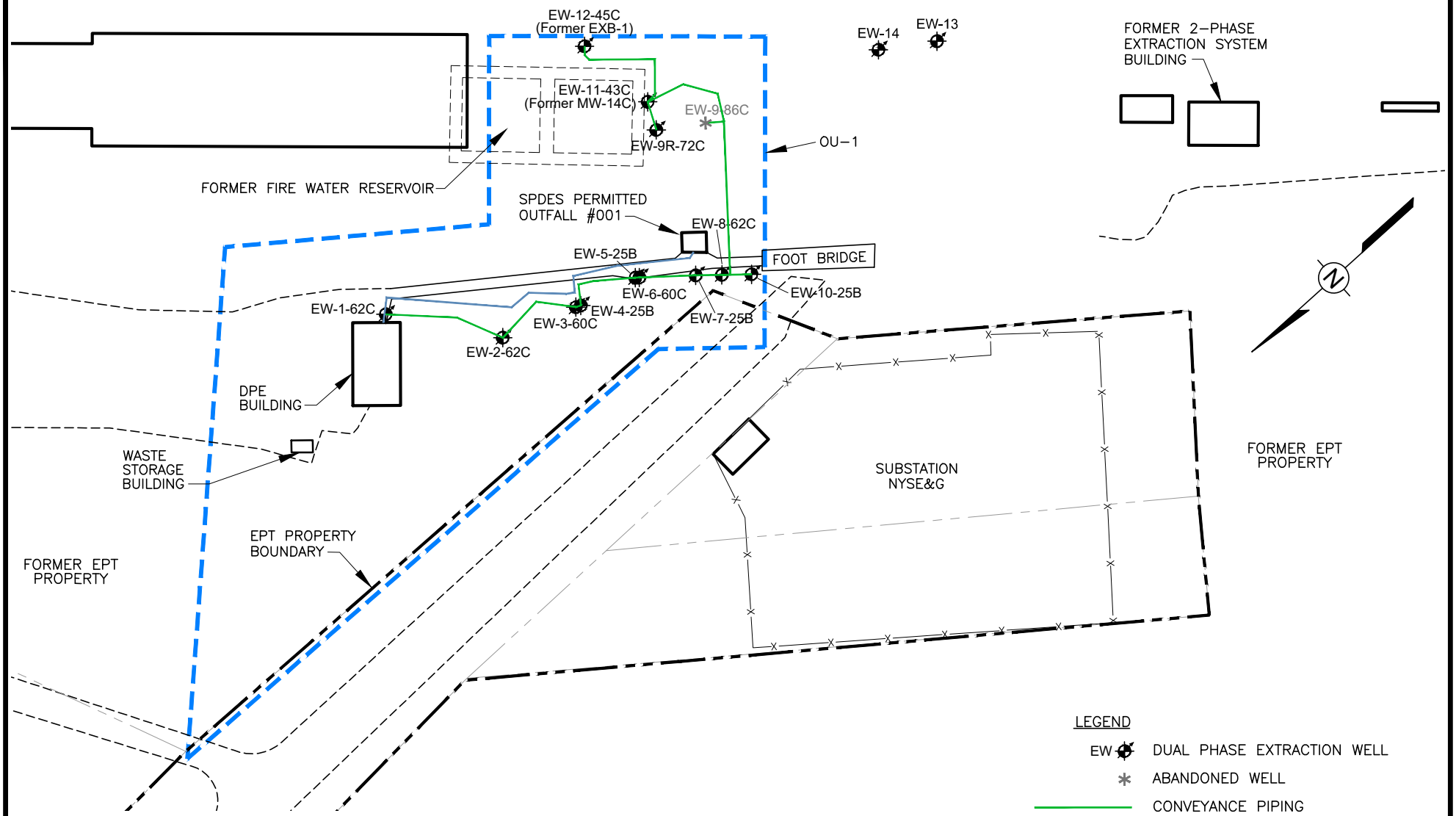

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FIGURE 5

DPE TREATMENT AREA

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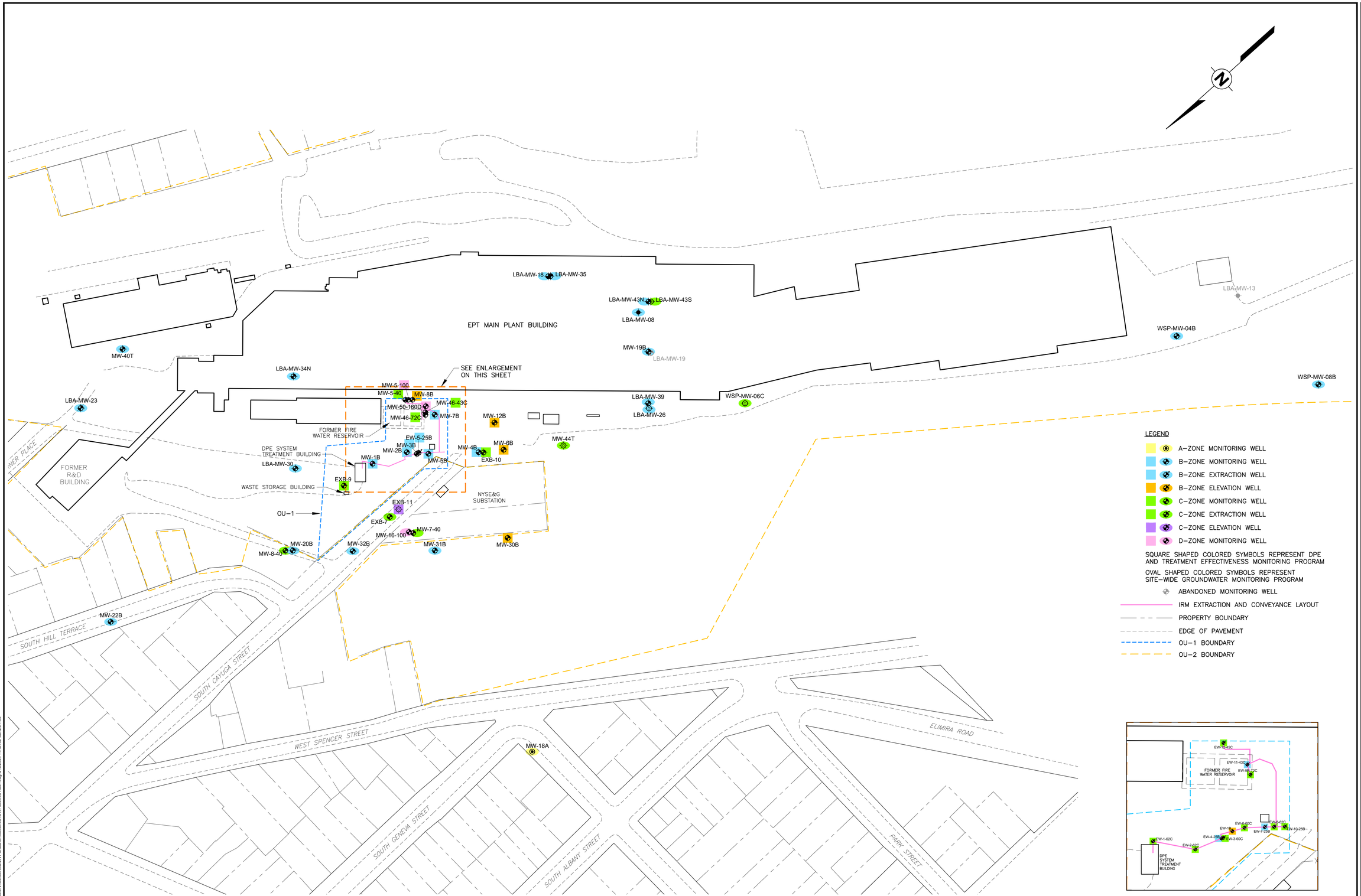

ENLARGEMENT

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DISTRIBUTION OF WELLS MONITORING THE B, C, AND D HYDROGEOLOGIC ZONES

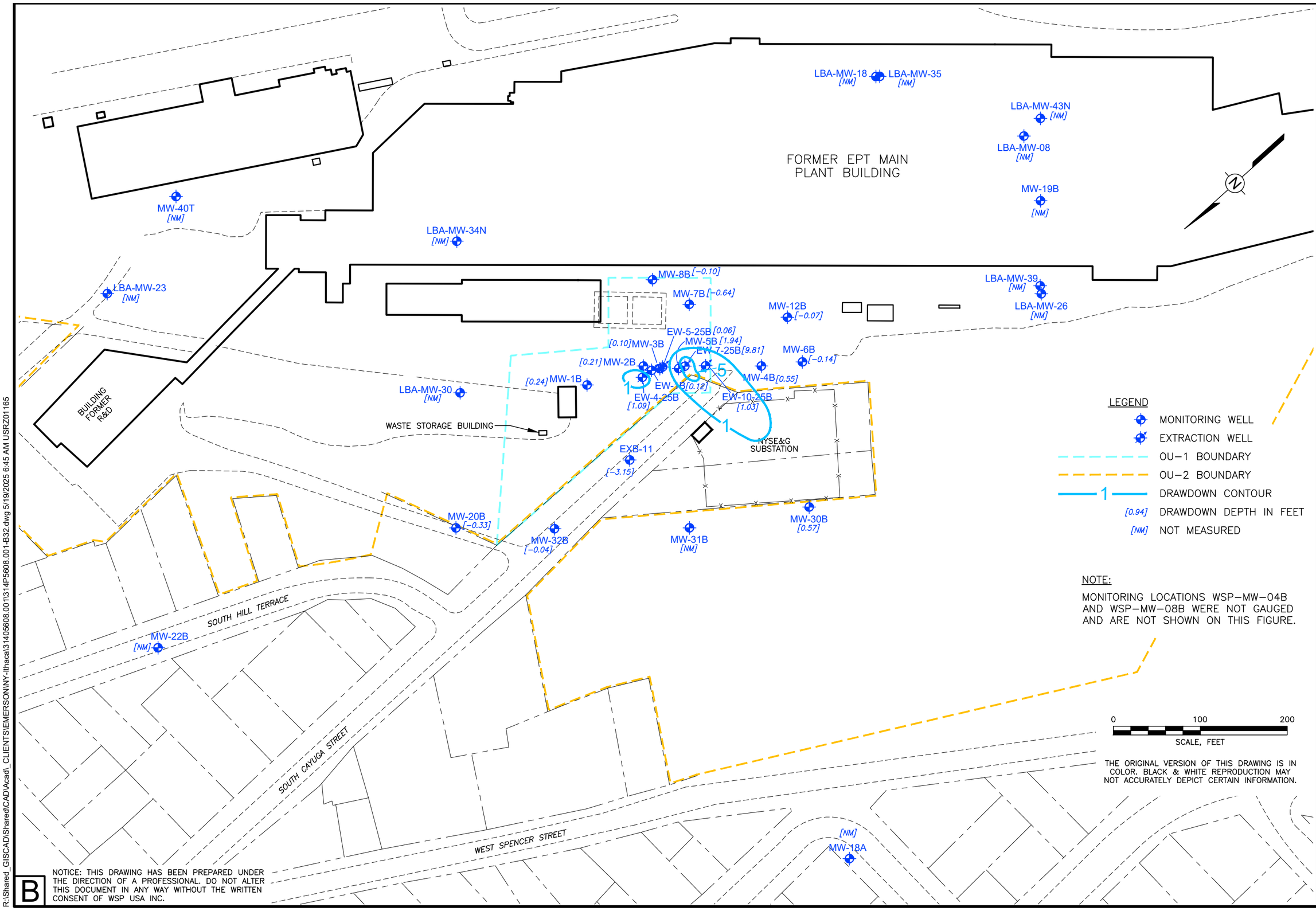
FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

WSP USA Inc.
11 STANWIX STREET, SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

FIGURE 6

Drawing Number
314P5608.001–D57



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FORMER EMERSON POWER TRANSMISSION ITHACA, NEW YORK

PREPARED FOR EMERSON ST. LOUIS, MISSOURI

FIGURE 7

ANNUAL (SEPTEMBER 2024) GROUNDWATER DRAWDOWN FIGURE B-ZONE

WSP USA Inc.
111 STANWIX STREET
SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

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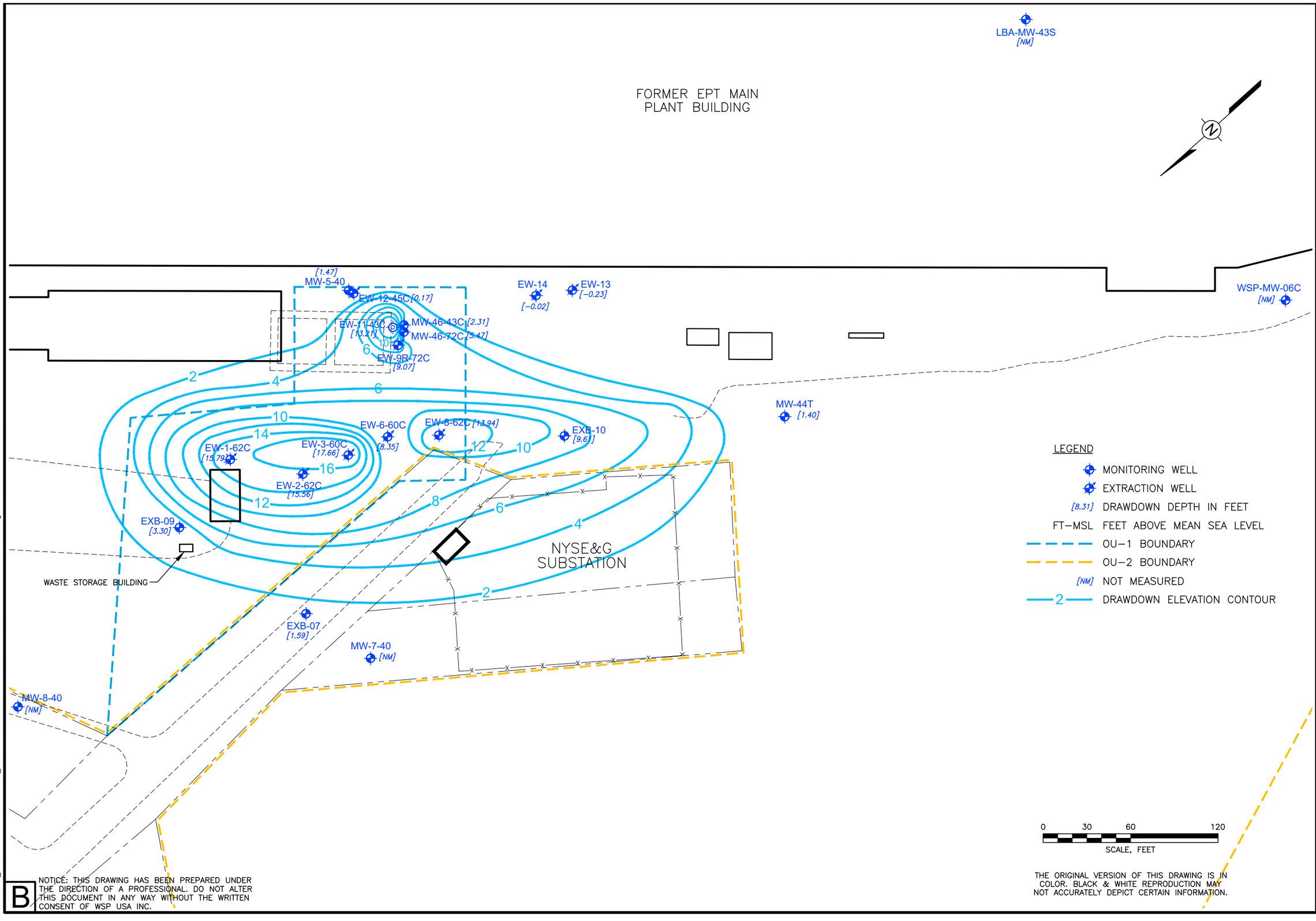

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ST. LOUIS, MISSOURI

FIGURE 8

ANNUAL (SEPTEMBER 2024) GROUNDWATER DRAWDOWN FIGURE C–ZONE

WSP USA Inc.
11 STANWIX STREET
SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

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FORMER EPT MAIN
PLANT BUILDING

MW-5-100
[-0.01]

MW-50-160D
[15.39]

2
6
10
14

WASTE STORAGE BUILDING

NYSE&G
SUBSTATION

MW-16-100
[NM]

LEGEND

- MONITORING WELL
- [15.9] DRAWDOWN DEPTH IN FEET
- FT-MSL FEET ABOVE MEAN SEA LEVEL
- OU-1 BOUNDARY
- OU-2 BOUNDARY
- 6 2' DRAWDOWN ELEVATION CONTOUR

0 50 100
SCALE, FEET

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FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK

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EMERSON
ST. LOUIS, MISSOURI

FIGURE 9

ANNUAL (SEPTEMBER 2024)
GROUNDWATER DRAWDOWN FIGURE
D-ZONE

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11 STANWIX STREET
SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

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EPT MAIN PLANT BUILDING

SEE ENLARGEMENT ON THIS SHEET

FORMER R&D BUILDING

FORMER FIRE WATER RESERVOIR

DPE SYSTEM TREATMENT BUILDING

WASTE STORAGE BUILDING

NYSE&G SUBSTATION

OU–1

SOUTH HILL TERRACE

SOUTH CAYUGA STREET

WEST SPENCER STREET

SOUTH GENEVA STREET

MW-40T
9/26/24
1,1-DCE 8 J
c-DCE 4,300
t-DCE 38.2
PCE ND
TCE ND
VC 298
Total SR 4,644

LBA-MW-34N
9/26/24
Barium 1,540
1,1-DCE ND
c-DCE 12.7
t-DCE 2.2
PCE ND
TCE ND
VC 48.7
Total SR 64

LBA-MW-23
9/26/24
1,1-DCE ND
c-DCE 4
t-DCE ND
PCE ND
TCE 0.6 J
VC ND
Total SR 5

MW-3B
9/25/24
1,1-DCE 15.4 J
c-DCE 5,070
t-DCE 56.4
PCE ND
TCE 5,640
VC 119
Total SR 13,901

MW-7B
9/25/24
1,1-DCE ND
c-DCE 114
t-DCE 0.9
PCE ND
TCE 3.1
VC 28.1
Total SR 146

EW-5-25B
9/27/24
1,1-DCE ND
c-DCE 3,300
t-DCE 19.1 J
PCE ND
TCE 25
VC 60.1
Total SR 3,464

MW-1B
9/25/24
1,1-DCE 1.3
c-DCE 481
t-DCE 2.8
PCE ND
TCE 564
VC 8
Total SR 1,057

MW-2B
9/25/24
1,1-DCE ND
c-DCE 5,730
t-DCE 28.9
PCE ND
TCE 5,690
VC 88.1
Total SR 11,537

MW-5B
9/25/24
1,1-DCE 4.1
c-DCE 1,890
t-DCE 24.8
PCE ND
TCE 429
VC 4.3
Total SR 2,352

MW-4B
9/25/24
1,1-DCE ND
c-DCE ND
t-DCE ND
PCE ND
TCE ND
VC 0.84 J
Total SR 1

LBA-MW-30
9/24/24
Barium 217
Cyanide 0.21

MW-20B
9/25/24
1,1-DCE ND
c-DCE ND
t-DCE ND
PCE ND
TCE ND
VC ND
Total SR 0

MW-32B
9/24/24
1,1-DCE ND
c-DCE 14.3
t-DCE ND
PCE ND
TCE 29.7
VC ND
Total SR 44

MW-31B
9/24/24
Barium 80.1 J
1,1-DCE ND
c-DCE ND
t-DCE ND
PCE ND
TCE ND
VC ND
Total SR 0

MW-22B
9/26/24
1,1-DCE ND
c-DCE ND
t-DCE ND
PCE ND
TCE ND
VC ND
Total SR 0

MW-18A
9/26/24
1,1-DCE ND
c-DCE ND
t-DCE ND
PCE ND
TCE ND
VC ND
Total SR 0

LBA-MW-18
9/26/24
Barium 3,580

LBA-MW-35
9/26/24
Barium 4,130
Cyanide 0.32

LBA-MW-43N
9/25/24
Cyanide 1.7

LBA-MW-08
9/26/24
Cyanide 7.8

WSP-MW-04B
9/25/24
Barium 252
Cyanide 0.65

(WSP–MW–04B IS 700' SW OF THIS LOCATION)

MW-19B
9/26/24
Cyanide 22.7

WSP-MW-08B
9/25/24
Cyanide 0.039

(WSP–MW–08B IS 900' SW OF THIS LOCATION)

LBA-MW-39
9/25/24
Barium
Cyanide 0.38
1,1-DCE 9.5
c-DCE 9.4
t-DCE ND
PCE ND
TCE 1.8
VC 4.7
Total SR 25

LBA-MW-26
9/25/24
Barium 1,650

LEGEND

- WATER LEVEL ONLY WELL
- MONITORING WELL
- EXTRACTION WELL (INSTALLED NOVEMBER 2022)
- DPE SYSTEM EXTRACTION AND CONVEYANCE LAYOUT
- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- OU–1 BOUNDARY
- OU–2 BOUNDARY

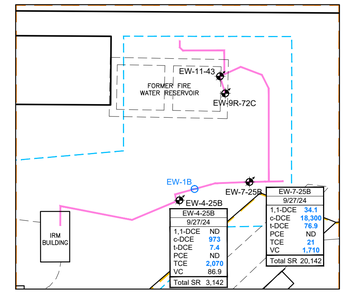
MW-# (WELL IDENTIFICATION)
4/19/2023 (SAMPLING DATE)
Cyanide 0.11 mg/l
Barium 200 µg/l
1,1-DCE ND µg/l
c-DCE 15.6 µg/l (BOLD BLUE INDICATES RESULT EXCEEDS CRITERIA)
t-DCE ND µg/l
PCE 26.2 µg/l
TCE ND µg/l
VC ND µg/l
Total SR 42 µg/l (TOTAL SITE–RELATED VOLATILE ORGANIC COMPOUND)

CONSTITUENTS

1,1–DCE	1,1–DICHLOROETHENE
c–DCE	cis–1,2–DICHLOROETHENE
t–DCE	trans–1,2–DICHLOROETHENE
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE
J	ESTIMATED VALUE
ND	NON DETECTABLE
NS	NOT SAMPLED

50 0 50 100
SCALE, FEET

ENLARGEMENT



0 50 100
SCALE, FEET

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GROUNDWATER MONITORING WELL LOCATIONS
B ZONE – SEPTEMBER 2024

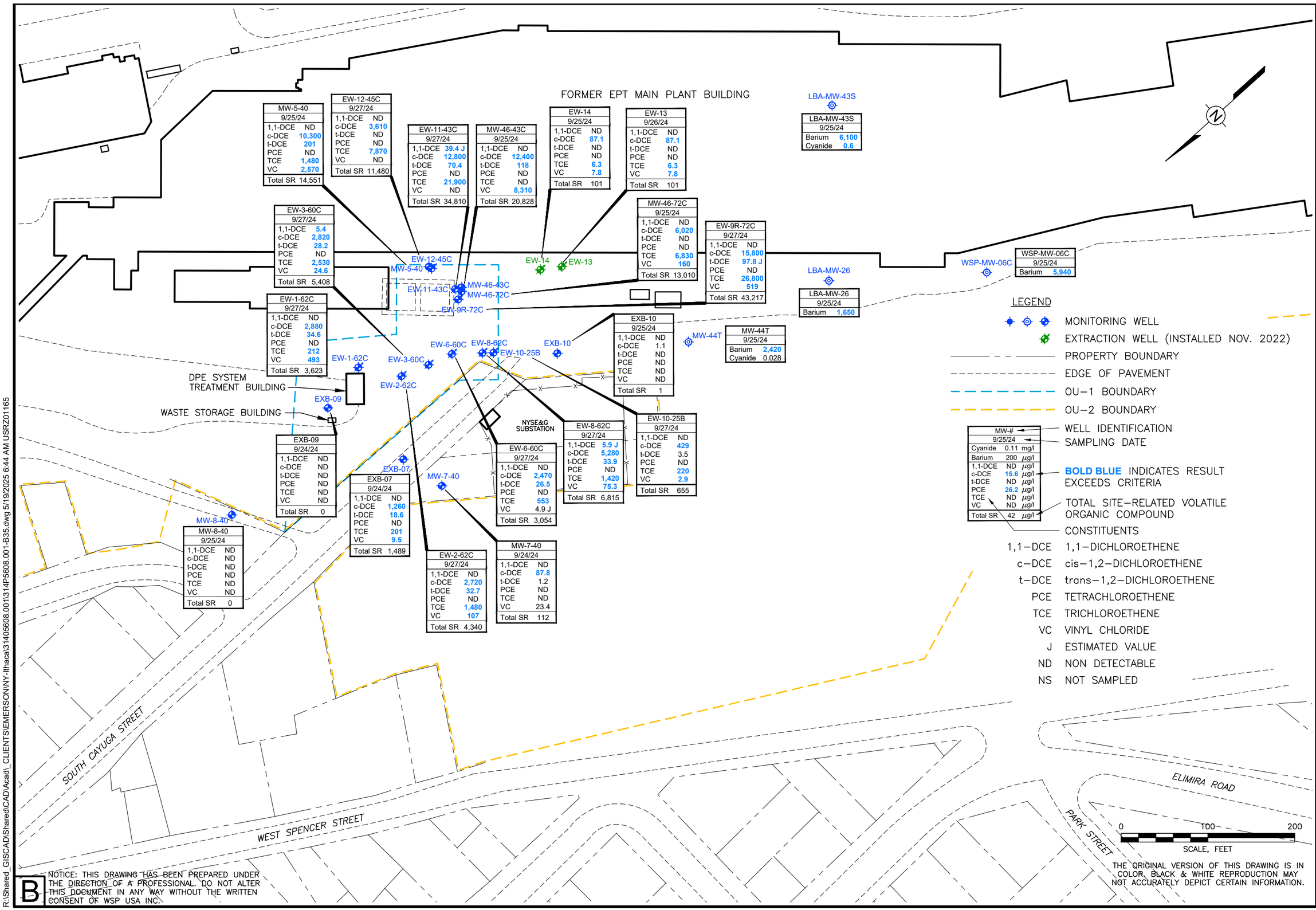
FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

WSP USA Inc.
11 STANWIX STREET, SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

FIGURE 10

Drawing Number
314P5608.001–D63



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FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

FIGURE 11

GROUNDWATER MONITORING WELL LOCATIONS
C ZONE – SEPTEMBER 2024

WSP USA Inc.
11 STANWIX STREET
SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

FORMER EPT MAIN
PLANT BUILDING

MW-5-100	
9/25/24	
1,1-DCE	ND
c-DCE	6
t-DCE	ND
PCE	ND
TCE	1.1
VC	2.7
Total SR	10

MW-5-100

MW-50-160D

MW-50-160D	
9/26/24	
1,1-DCE	4.1 J
c-DCE	2,440
t-DCE	8.6
PCE	ND
TCE	4.1 J
VC	1,250
Total SR	3,707

DPE SYSTEM
TREATMENT BUILDING

WASTE STORAGE BUILDING

NYSE&G
SUBSTATION

MW-16-100

MW-16-100	
9/24/24	
1,1-DCE	ND
c-DCE	1.5
t-DCE	ND
PCE	ND
TCE	ND
VC	4.8
Total SR	6

SOUTH CAYUGA STREET

WEST SPENCER STREET

ELIMIRA ROAD

PARK STREET

LEGEND

- MONITORING WELL
- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- OU–1 BOUNDARY
- OU–2 BOUNDARY

MW-16-100		
9/26/24		
1,1-DCE	4.1 J	µg/l
c-DCE	2,440	µg/l
t-DCE	8.6	µg/l
PCE	ND	µg/l
TCE	4.1 J	µg/l
VC	1,250	µg/l
Total SR	3,707	µg/l

- WELL IDENTIFICATION
- SAMPLING DATE
- **BOLD BLUE** INDICATES RESULT EXCEEDS CRITERIA
- TOTAL SITE–RELATED VOLATILE ORGANIC COMPOUND

CONSTITUENTS

1,1–DCE	1,1–DICHLOROETHENE
c–DCE	cis–1,2–DICHLOROETHENE
t–DCE	trans–1,2–DICHLOROETHENE
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE
J	ESTIMATED VALUE
ND	NON DETECTABLE
NS	NOT SAMPLED

0 100 200
SCALE, FEET

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FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

FIGURE 12

GROUNDWATER MONITORING WELL LOCATIONS
D ZONE – SEPTEMBER 2024

WSP USA Inc.
11 STANWIX STREET
SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

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EPT MAIN PLANT BUILDING

FORMER FIRE WATER RESERVOIR

DPE SYSTEM TREATMENT BUILDING

WASTE STORAGE BUILDING

FORMER R&D BUILDING

NYSE&G SUBSTATION

OU–1

MW-8B

MW-7B

MW-3B

MW-2B

MW-1B

MW-5B

MW-4B

MW-6B

EXB-9

EXB-11

MW-30B

MW-22B

MW-26A

MW-3B 4/17/2024	
1,1-DCE	5.1
c-DCE	2,290
t-DCE	17.5
PCE	ND
TCE	2,160
VC	5.8
Total SR	4,479

MW-7B 4/17/2024	
1,1-DCE	ND
c-DCE	ND
t-DCE	ND
PCE	ND
TCE	1.2
VC	ND
Total SR	1

MW-1B 4/17/2024	
1,1-DCE	ND
c-DCE	126
t-DCE	0.85 J
PCE	ND
TCE	188
VC	ND
Total SR	314.85

MW-2B 4/17/2024	
1,1-DCE	ND
c-DCE	2,950
t-DCE	12.9 J
PCE	ND
TCE	5,730
VC	22.6
Total SR	8,716

MW-5B 4/17/2024	
1,1-DCE	ND
c-DCE	159
t-DCE	5.8
PCE	ND
TCE	331
VC	1.5
Total SR	526

MW-4B 4/17/2024	
1,1-DCE	ND
c-DCE	ND
t-DCE	ND
PCE	ND
TCE	ND
VC	ND
Total SR	0

LEGEND

- WATER LEVEL ONLY WELL
- MONITORING WELL
- EXTRACTION WELL (INSTALLED NOVEMBER 2022)
- DPE SYSTEM EXTRACTION AND CONVEYANCE LAYOUT
- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- OU–1 BOUNDARY
- OU–2 BOUNDARY

MW-5B 4/17/2024	
1,1-DCE	ND
c-DCE	159
t-DCE	5.8
PCE	ND
TCE	331
VC	1.5
Total SR	526

- WELL IDENTIFICATION
- SAMPLING DATE
- RESULTS IN µg/l – **BOLD BLUE** INDICATES RESULT EXCEEDS CRITERIA
- TOTAL SITE–RELATED CONSTITUENTS

1,1–DCE 1,1–DICHLOROETHENE
c–DCE cis–1,2–DICHLOROETHENE
t–DCE trans–1,2–DICHLOROETHENE
PCE TETRACHLOROETHENE
TCE TRICHLOROETHENE
VC VINYL CHLORIDE
J ESTIMATED VALUE
ND NON DETECTABLE
NS NOT SAMPLED

50 0 50 100
SCALE, FEET

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GROUNDWATER MONITORING WELL LOCATIONS
B ZONE – APRIL 2024
FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

WSP USA Inc.
11 STANWIX STREET, SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

FIGURE 13

Drawing Number
314P5608.001–D64

FORMER EPT MAIN PLANT BUILDING

MW-5-40	
4/17/2024	
1,1-DCE	ND
c-DCE	8,430
t-DCE	467
PCE	ND
TCE	267
VC	3,540
Total SR	12,704

MW-46-43C	
4/17/2024	
1,1-DCE	ND
c-DCE	7,800
t-DCE	59.9
PCE	ND
TCE	ND
VC	4,340
Total SR	12,200

MW-46-72C	
4/17/2024	
1,1-DCE	28.1
c-DCE	9,530
t-DCE	39.4
PCE	ND
TCE	3,970
VC	1,850
Total SR	15,418

MW-5-40
MW-46-43C
MW-46-72C

EXB-10

EXB-10	
4/17/2024	
1,1-DCE	ND
c-DCE	1.6
t-DCE	ND
PCE	ND
TCE	ND
VC	1.4
Total SR	3

DPE SYSTEM TREATMENT BUILDING

WASTE STORAGE BUILDING

EXB-09

EXB-09	
4/17/2024	
1,1-DCE	ND
c-DCE	ND
t-DCE	ND
PCE	ND
TCE	ND
VC	ND
Total SR	0

NYSE&G SUBSTATION

SOUTH CAYUGA STREET

WEST SPENCER STREET

ELIMIRA ROAD

PARK STREET

LEGEND

- MONITORING WELL
- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- OU-1 BOUNDARY
- OU-2 BOUNDARY

MW-46-72C — WELL IDENTIFICATION
4/17/2024 — SAMPLING DATE
1,1-DCE 28.1
c-DCE 9,530
t-DCE 39.4
PCE ND
TCE 3,970
VC 1,850
Total SR 15,418

RESULTS IN µg/l – **BOLD BLUE** INDICATES RESULT EXCEEDS CRITERIA

TOTAL SITE-RELATED CONSTITUENTS

1,1-DCE	1,1-DICHLOROETHENE
c-DCE	cis-1,2-DICHLOROETHENE
t-DCE	trans-1,2-DICHLOROETHENE
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE
J	ESTIMATED VALUE
ND	NON DETECTABLE
NS	NOT SAMPLED

0 100 200
SCALE, FEET

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Checked: ER
Approved:
Dwg Name: 314P5608.001-B37

FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK
PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

FIGURE 14

GROUNDWATER MONITORING WELL
LOCATIONS – C ZONE
APRIL 2024

WSP USA Inc.
11 STANWIX STREET
SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

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FORMER EPT MAIN
PLANT BUILDING

MW-5-100	
4/17/2024	
1,1-DCE	ND
c-DCE	11.7
t-DCE	ND
PCE	ND
TCE	ND
VC	5.5
Total SR	17

MW-5-100

MW-50-160D

MW-50-160D	
4/17/2024	
1,1-DCE	ND
c-DCE	551
t-DCE	5
PCE	ND
TCE	ND
VC	398
Total SR	954

DPE SYSTEM
TREATMENT BUILDING

WASTE STORAGE BUILDING

NYSE&G
SUBSTATION

SOUTH CAYUGA STREET

WEST SPENCER STREET

ELIMIRA ROAD

PARK STREET

LEGEND

- MONITORING WELL
- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- OU-1 BOUNDARY
- OU-2 BOUNDARY

MW-50-160D	
4/17/2024	
1,1-DCE	ND
c-DCE	551
t-DCE	5
PCE	ND
TCE	ND
VC	398
Total SR	954

- WELL IDENTIFICATION
- SAMPLING DATE
- RESULTS IN $\mu g/l$ – **BOLD BLUE** INDICATES RESULT EXCEEDS CRITERIA
- TOTAL SITE-RELATED CONSTITUENTS

1,1-DCE	1,1-DICHLOROETHENE
c-DCE	cis-1,2-DICHLOROETHENE
t-DCE	trans-1,2-DICHLOROETHENE
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE
J	ESTIMATED VALUE
ND	NON DETECTABLE
NS	NOT SAMPLED

0 100 200
SCALE, FEET

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Dwg Name: 314P5608.001-B38

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ITHACA, NEW YORK

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

FIGURE 15

GROUNDWATER MONITORING WELL
LOCATIONS - D ZONE
APRIL 2024

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EPT MAIN PLANT BUILDING

FORMER FIRE WATER RESERVOIR

DPE SYSTEM TREATMENT BUILDING

WASTE STORAGE BUILDING

OU-1

NYSE&G SUBSTATION

MW-7B [146]

MW-2B [11,537]

EW-5-25B [5,179]

EW-7-25B [20,142]

EW-10-25B [655]

MW-3B [13,901]

MW-5B [2,352]

EW-4-25B [3,142]

MW-1B [1,057.1]

MW-4B [1]

MW-20B [ND]

MW-32B [44]

MW-31B [ND]

534

524

LEGEND

- MONITORING WELL
- EXTRACTION WELL
- [16] TOTAL CVOCs
- TOTAL CVOCs <100
- DPE SYSTEM EXTRACTION AND CONVEYANCE LAYOUT
- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- OU-1 BOUNDARY
- OU-2 BOUNDARY
- C-ZONE TO B-ZONE DISCHARGE ZONE

TOTAL CVOCs (INCLUDEDS ALL CVOCs):

- 100 to 1,000
- >1,000 to 10,000
- >10,000

CVOCs CHLORINATED VOLATILE ORGANIC COMPOUNDS – REPORTED AS MICROGRAMS PER LITER (µg/l)

ND NOT DETECTED

NS NOT SAMPLED

0 20 40 80

SCALE, FEET

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B

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Dwg Name: 314P5608.001-B39

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FIGURE 16

DISTRIBUTION OF CVOCs IN B HYDROGEOLOGIC ZONE (FIRE WATER RESERVOIR AREA)
SEPTEMBER 2024

WSP USA Inc.
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SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

LEGEND

- MONITORING WELL
- EXTRACTION WELL
- [16] TOTAL CVOCs
- TOTAL CVOCs <100
- DPE SYSTEM EXTRACTION AND CONVEYANCE LAYOUT
- OU-1 BOUNDARY
- OU-2 BOUNDARY
- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- C-ZONE TO B-ZONE DISCHARGE ZONE

TOTAL CVOCs (INCLUDES ALL CVOCs):

- 100 to 1,000
- >1,000 to 10,000
- >10,000

CVOCs CHLORINATED VOLATILE ORGANIC COMPOUNDS – REPORTED AS MICROGRAMS PER LITER (µg/l)

ND NOT DETECTED

NS NOT SAMPLED

NOTES:

1. HISTORICAL DATA MAY HAVE BEEN USED TO DEVELOP THE ISOCONCENTRATION LAYOUT WHERE NEEDED.

2. B-ZONE WELLS MW-31B AND MW-32B ARE SHOWN AS MONITORING WELLS WITHIN OR DOWNGRADIENT OF THE C-ZONE DISCHARGE AREA.

0 40 80 160

SCALE, FEET

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PREPARED FOR EMERSON
ST. LOUIS, MISSOURI

FIGURE 17

DISTRIBUTION OF CVOCs IN C HYDROGEOLOGIC ZONE (FIRE WATER RESERVOIR AREA)
SEPTEMBER 2024

WSP USA Inc.
11 STANWIX STREET
SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

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EPT MAIN PLANT BUILDING

[10] MW-5-100

MW-50-160D
[3,707]

FORMER FIRE
WATER RESERVOIR

DPE SYSTEM
TREATMENT BUILDING

WASTE STORAGE BUILDING

NYSE&G
SUBSTATION

OU–1

MW-16-100
[6]

SOUTH HILL TERRACE

SOUTH CAYUGA STREET

WEST SPENCER STREET

B

LEGEND

- MONITORING WELL
- EXTRACTION WELL
- [16] TOTAL CVOCs
- TOTAL CVOCs <100
- DPE SYSTEM EXTRACTION AND CONVEYANCE LAYOUT
- OU–1 BOUNDARY
- OU–2 BOUNDARY
- PROPERTY BOUNDARY
- EDGE OF PAVEMENT

TOTAL CVOCs (INCLUDES ALL CVOCs):

- 100 to 1,000
- >1,000 to 10,000
- >10,000

CVOCs CHLORINATED VOLATILE ORGANIC COMPOUNDS – REPORTED AS MICROGRAMS PER LITER (µg/l)

NS NOT SAMPLED

NOTE:

HISTORICAL DATA MAY HAVE BEEN USED TO DEVELOP THE ISOCONCENTRATION LAYOUT WHERE NEEDED.

0 40 80 160
SCALE, FEET

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ITHACA, NEW YORK
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FIGURE 18

DISTRIBUTION OF CVOCs IN D HYDROGEOLOGIC ZONE (FIRE WATER RESERVOIR AREA)
SEPTEMBER 2024

WSP USA Inc.
11 STANWIX STREET
SUITE 950
PITTSBURGH, PA 15222
TEL: +1 412.604.1040

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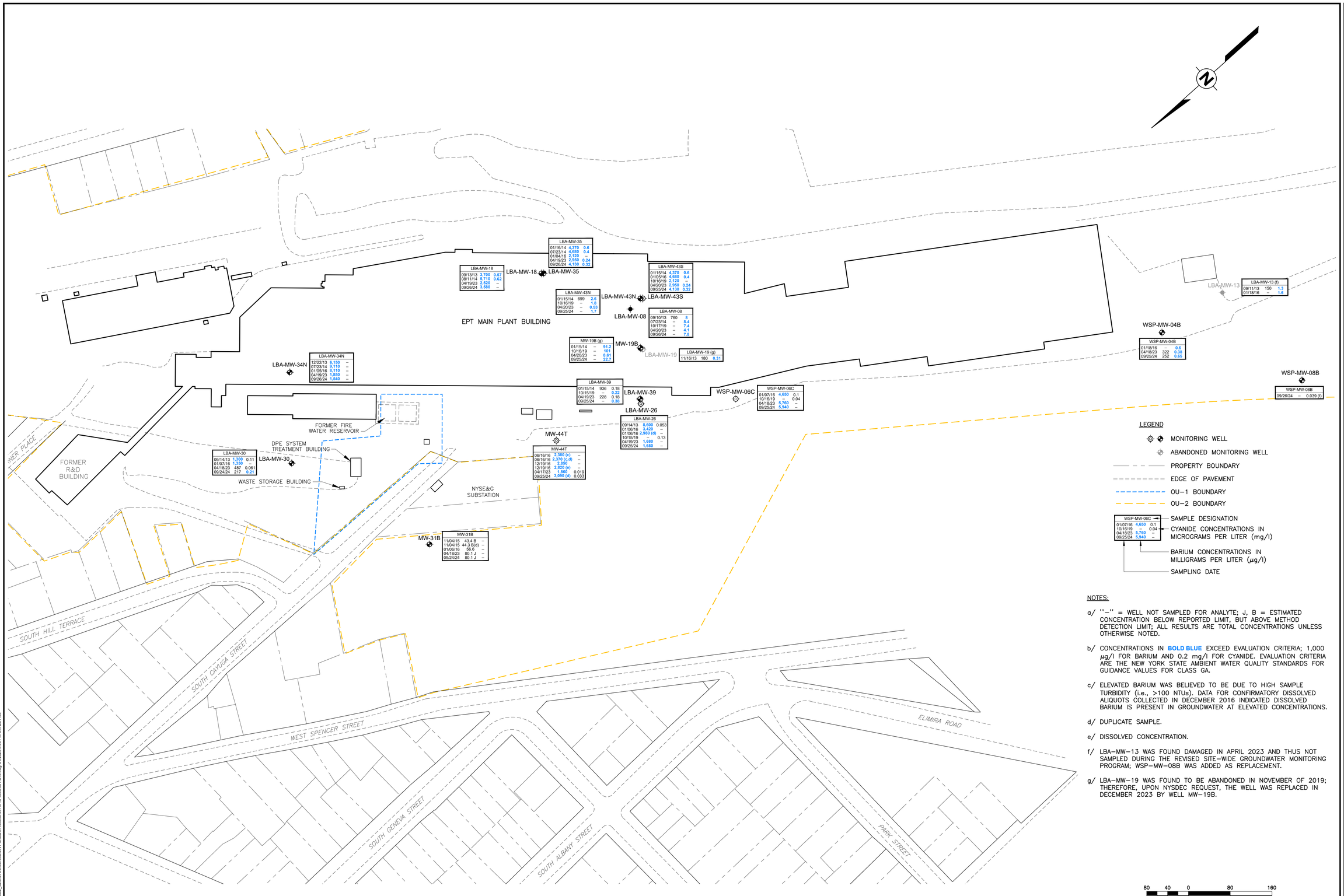

NOTES:

a/ "–" = WELL NOT SAMPLED FOR ANALYTE; J, B = ESTIMATED CONCENTRATION BELOW REPORTED LIMIT, BUT ABOVE METHOD DETECTION LIMIT; ALL RESULTS ARE TOTAL CONCENTRATIONS UNLESS OTHERWISE NOTED.

b/ CONCENTRATIONS IN **BOLD BLUE** EXCEED EVALUATION CRITERIA; 1,000 µg/l FOR BARIUM AND 0.2 mg/l FOR CYANIDE. EVALUATION CRITERIA ARE THE NEW YORK STATE AMBIENT WATER QUALITY STANDARDS FOR GUIDANCE VALUES FOR CLASS GA.

c/ ELEVATED BARIUM WAS BELIEVED TO BE DUE TO HIGH SAMPLE TURBIDITY (i.e., >100 NTUs). DATA FOR CONFIRMATORY DISSOLVED ALIQUOTS COLLECTED IN DECEMBER 2016 INDICATED DISSOLVED BARIUM IS PRESENT IN GROUNDWATER AT ELEVATED CONCENTRATIONS.

d/ DUPLICATE SAMPLE.

e/ DISSOLVED CONCENTRATION.

f/ LBA–MW–13 WAS FOUND DAMAGED IN APRIL 2023 AND THUS NOT SAMPLED DURING THE REVISED SITE–WIDE GROUNDWATER MONITORING PROGRAM; WSP–MW–08B WAS ADDED AS REPLACEMENT.

g/ LBA–MW–19 WAS FOUND TO BE ABANDONED IN NOVEMBER OF 2019; THEREFORE, UPON NYSDEC REQUEST, THE WELL WAS REPLACED IN DECEMBER 2023 BY WELL MW–19B.

D

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REV	DESCRIPTION		
1	Revised:	Chkd:	Appr.:
2	Revised:	Chkd:	Appr.:
3	Revised:	Chkd:	Appr.:

SEAL

DATE

DRAWN BY RJC 09/09/2025

CHECKED MJS 09/09/2025

APPROVED

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BARIUM AND CYANIDE HISTORICAL CONCENTRATIONS

FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

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FIGURE 19

Drawing Number
314P5608.001–D76

TABLES

Table 1

Areas of Concern and Soil Cleanup Objectives
Former Emerson Power Transmission
Ithaca, New York

	Exceeded Soil Cleanup Objective Driving Interim Remedial Measure			
	Direct Contact			
Area of Concern	Restricted Residential	Commercial	Industrial	Protection of Groundwater
AOC 1 - Former Department 507 Degreaser	-	-	-	X
AOC 26 - Building 24 Area	-	-	-	X
AOC 27 - Former Salt Baths Area	X	-	-	X
AOC 28 - Building 30/Oil Shed Area	-	X	-	X
AOC 29 - Former Propane Storage Area	-	X	-	-
AOC 30 - Rice Paddy	-	-	X	-
AOC 31 - Upper Parking Lot 6 Area	X	-	-	-
AOC 32 - Former Spray Pond Area	X	-	-	-
AOC 34 - Area East of Buildings 13A and 14	X	-	-	X
AOC 35A - East of Building 24	X	-	-	-
AOC 35C - Building 11A	X	-	-	X
AOC 35D - Near Parking Lot 4	X	-	-	-
AOC 35G - South of Parking Lot 3	X	-	-	-
AOC 35H - Parking Lot 3	X	-	-	-
AOC 35K - Former Railway Right-of-Way	X	-	-	-
AOC 35L - Former Railway Right-of-Way	X	-	-	-

Table 2

Vapor Phase Extraction System Operational Time
Former Emerson Power Transmission
Ithaca, New York

Reporting Period	Reading Date (a)	Hour Meter Reading	Total Allowable Operational Time (hours)	Downtime due to Planned System Maintenance (hours)	Downtime due to Unplanned System Maintenance (hours) (b)	Total Downtime (hours)	Operational Efficiency (%)
Start Date	12/31/2023	47,099	--			--	--
January	1/31/2024	47,786	744	3	55	58	92%
February	2/29/2024	48,469	696	3	10	13	98%
March	3/31/2024	49,074	744	3	136	139	81%
April	4/30/2024	49,757	720	3	34	37	95%
May	5/31/2024	50,512	744	0	0	0	100%
June	6/30/2024	51,241	720	0	0	0	100%
July	7/31/2024	51,941	744	3	41	44	94%
August	8/31/2024	52,693	744	0	0	0	100%
September	9/30/2024	53,092	720	273	49	322	55%
October	10/31/2024	53,810	744	3	23	26	97%
November	11/30/2024	54,450	720	3	77	80	89%
December	12/31/2024	55,205	744	0	0	0	100%
Total Over Reporting Period :			**8,784**	**294**	**424**	**718**	**92%**

a/ Reading date reflects remote telemetry reading of hour meter for B-201.
b/ Unplanned downtime due to system component malfunctions (See Report Text).

Table 3

Aqueous Phase VOC Mass Removed
Former Emerson Power Transmission
Ithaca, New York (a)

Sampling Period	Reading Date (b)	Total VOC Influent Concentration (µg/l)	Effluent Water Meter Reading (gallons) (b, c)	Volume of Water Extracted (gallons)	VOC Mass Removed (lbs)	Cumulative Mass Removed Since 1/20/2009 (lbs)
Start Date	12/8/2023	--	3,481,105	--	--	198.1
First Quarter 2024	3/6/2024	1,788	3,549,541	68,436	1.02	199.1
Second Quarter 2024	6/5/2024	1,393	3,609,891	60,350	0.70	199.8
Third Quarter 2024	9/9/2024	6,821	3,653,738	43,847	2.50	202.3
Fourth Quarter 2024	12/17/2024	5,637	3,691,718	37,980	1.79	204.1
			Total Volume Over Reporting Period:	**210,613**	**6.01**	**204.1**
			Total Days in Reporting Period:	**375**		
			Average gallons per day:	**562**		
			Average gallons per minute:	**0.39**		

a/ Abbreviations: VOC = volatile organic compound; µg/l = micrograms per liter; lbs = pounds.
b/ Reading date reflects onsite reading of the discharge flow totalizer at Outfall 01A.
c/ Recorded as the total cumulative flow since startup on January 20, 2009 from the discharge flow totalizer.

Table 4

Aqueous Phase Sampling Results
Former Emerson Power Transmission
Ithaca, New York (a)

Sample ID:	WINF			
Location:	System Influent			
Sample Date:	01/25/24	06/03/24	07/25/24	11/01/24
VOCs (µg/l)				
Acetone	25.0 U	25.0 U	25.0 U	100 U
Benzene	5.0 U	5.0 U	5.0 U	20.0 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	20.0 U
Bromoform	5.0 U	5.0 U	5.0 U	20.0 U
Bromomethane	5.0 U	5.0 U	5.0 U	20.0 U
2-Butanone (MEK)	25.0 U	25.0 U	25.0 U	100 U
Carbon disulfide	5.0 U	5.0 U	5.0 U	20.0 U
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	20.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	20.0 U
Chloroethane	5.0 U	5.0 U	5.0 U	20.0 U
Chloroform	5.0 U	5.0 U	5.0 U	20.0 U
Chloromethane	5.0 U	5.0 U	5.0 U	20.0 U
Cyclohexane	10.0 U	10.0 U	10.0 U	40.0 U
1,2-Dibromo-3-chloropropane	10.0 U	10.0 U	10.0 U	40.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	20.0 U
1,2-Dibromoethane	5.0 U	5.0 U	5.0 U	20.0 U
1,2-Dichlorobenzene	5.0 U	5.0 U	5.0 U	20.0 U
1,3-Dichlorobenzene	5.0 U	5.0 U	5.0 U	20.0 U
1,4-Dichlorobenzene	5.0 U	5.0 U	5.0 U	20.0 U
Dichlorodifluoromethane	10.0 U	10.0 U	10.0 U	40.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	20.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	20.0 U
1,1-Dichloroethene	5.0 U	5.0 U	9.2	20.0 U
cis-1,2-Dichloroethene	1,030	905	4,150	3,180
trans-1,2-Dichloroethene	7.9	3.7 J	29.2	17.4 J
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	20.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	20.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	20.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	20.0 U
Freon 113	10.0 U	10.0 U	10.0 U	40.0 U
2-Hexanone	25.0 U	25.0 U	25.0 U	100 U
Isopropylbenzene	5.0 U	5.0 U	5.0 U	20.0 U
Methyl Acetate	25.0 U	25.0 U	25.0 U	100 U
Methylcyclohexane	25.0 U	25.0 U	25.0 U	100 U
Methyl Tert Butyl Ether	5.0 U	5.0 U	5.0 U	20.0 U
4-Methyl-2-pentanone(MIBK)	25.0 U	25.0 U	25.0 U	100 U
Methylene chloride	5.0 U	5.0 U	5.0 U	20.0 U
Styrene	10.0 U	10.0 U	10.0 U	40.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	20.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	20.0 U
Toluene	10.0 U	10.0 U	10.0 U	20.0 U
1,2,4-Trichlorobenzene	10.0 U	10.0 U	10.0 U	40.0 U
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	20.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	20.0 U
Trichloroethene	654	484	2,610	2,440
Trichlorofluoromethane	10.0 U	10.0 U	10.0 U	40.0 U
Vinyl chloride	95.8	5.0 U	22.3	20.0 U
Xylene (total)	5.0 U	5.0 U	5.0 U	20.0 U
Total VOCs (µg/l)	**1,788**	**1,393**	**6,821**	**5,637**

Table 4

Aqueous Phase Sampling Results
Former Emerson Power Transmission
Ithaca, New York (a)

Sample ID:	**WAS**			
Location:	**Post Air-Stripper/Pre-Carbon**			
Sample Date:	01/25/24	06/03/24	07/25/24	11/01/24
VOCs (µg/l)				
Acetone	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromo-3-chloropropane	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	2.3	1.0 U	1.2	2.6
trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
Freon 113	2.0 U	2.0 U	2.0 U	2.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone(MIBK)	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	0.98 J	1.00 U	1.00 U	0.84 J
Trichlorofluoromethane	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (µg/l)	**3.3**	**ND**	**1.2**	**3.4**

Table 4

Aqueous Phase Sampling Results
Former Emerson Power Transmission
Ithaca, New York (a)

Sample ID:	WMID GAC			
Location:	Between Aqueous Carbon Vessels			
Sample Date:	01/25/24	06/03/24	07/25/24	11/01/24
VOCs (µg/l)				
Acetone	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromo-3-chloropropane	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
Freon 113	2.0 U	2.0 U	2.0 U	2.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone(MIBK)	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (µg/l)	**ND**	**ND**	**ND**	**ND**

Table 4

Aqueous Phase Sampling Results
Former Emerson Power Transmission
Ithaca, New York (a)

Sample ID:	WPOST GAC			
Location:	Post-Carbon (System Discharge)			
Sample Date:	01/25/24	06/03/24	07/25/24	11/01/24
VOCs (µg/l)				
Acetone	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromo-3-chloropropane	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	2.8	5.4	3.6	4.5
trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
Freon 113	2.0 U	2.0 U	2.0 U	2.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone(MIBK)	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (µg/l)	**2.8**	**5.4**	**3.6**	**4.5**

a/ Abbreviations: VOC = volatile organic compound; µg/l = micrograms per liter; J = estimated concentration below reporting limit; U = compound not detected; ND = no compounds detected.

Table 5

Vapor Phase VOC Mass Removed
Former Emerson Power Transmission
Ithaca, New York (a)

Sampling Period	Reading Date (b)	Total VOC Influent Concentration (mg/m^3)	Vacuum Blower Meter Reading (hrs) (b)	Sampling Period Vacuum Blower Run Time (hrs)	TCE mass flux (lbs/hr)	1,2-DCE mass flux (lbs/hr)	PCE mass flux (lbs/hr)	1,1-DCE mass flux (lbs/hr)	VC mass flux (lbs/hr)	Quarterly Average Air Flow (m^3/hr)	Total VOC mass flux (lbs/hr) (c)	VOC Mass Removed (lbs)	Cumulative Mass Removed Since 1/20/2009 (lbs)
Start Date	12/31/2023	--	47,099	--	--	--	--	--			--	--	4,605.6
First Quarter 2024	3/31/2024	1.3	49,074	1,975	0.000	0.001	ND	0.000	0.000	442	0.001	2.4	4,608.0
Second Quarter 2024	6/30/2024	2.1	51,241	2,167	0.001	0.001	ND	0.000	0.000	442	0.002	4.5	4,612.5
Third Quarter 2024	9/30/2024	0.0	53,092	1,850	0.000	0.000	ND	ND	ND	544	0.000	0.1	4,612.6
Fourth Quarter 2024	12/31/2024	0.1	55,205	2,114	0.000	0.000	ND	ND	ND	664	0.000	0.3	4,612.9
											Total Over Reporting Period:	**7.3**	**4,612.9**

a/ Abbreviations: VOC = volatile organic compound; mg/m^3 = milligrams per cubic meter; hrs = hours; lbs = pounds; lbs/hr = pounds per hour; m^3/hr = cubic meters per hour; TCE = Trichloroethene; 1,2-DCE = cis/trans-1,2-Dichloroethene; PCE = Tetrachloroethene; 1,1-DCE = 1,1-Dichloroethene; VC = Vinyl chloride; ND = non detect.

b/ Reading date reflects remote telemetry reading of hour meter for B-201.

c/ Mass flux calculations based on an average monthly field measurement of system flow capacity over the operating period.

Table 6

Vapor Phase Sampling Results
Former Emerson Power Transmission
Ithaca, New York (a)

Sample ID:	**Molecular**	**VINF**							
Sample Date:	**Weight**	01/25/24		06/03/24		07/25/24		11/01/24	
Units:	**(g/mol)**	(ppmv)	(mg/m^3)	(ppmv)	(mg/m^3)	(ppmv)	(mg/m^3)	(ppmv)	(mg/m^3)
VOCs									
1,1-Dichloroethene	96.9	0.0005	0.0019	0.0010	0.0038	0.0000 U	0.0001 U	0.0002 U	0.0006 U
cis-1,2-Dichloroethene	96.9	0.1910	0.7573	0.3350	1.3282	0.0053	0.0210	0.0130	0.0515
trans-1,2-Dichloroethene	96.9	0.0015	0.0059	0.0021	0.0083	0.0002 U	0.0006 U	0.0008 U	0.0032 U
Tetrachloroethene	165.8	0.0002 U	0.0011 U	0.0002 U	0.0011 U	0.0000 U	0.0002 U	0.0002 U	0.0011 U
Trichloroethene	131.4	0.0866	0.4654	0.1460	0.7846	0.0035	0.0188	0.0072	0.0387
Vinyl Chloride	62.5	0.0164	0.0419	0.0067	0.0171	0.0000 U	0.0001 U	0.0002 U	0.0004 U
	Total VOCs:	**0.30**	**1.27**	**0.49**	**2.14**	**0.01**	**0.04**	**0.02**	**0.09**

Sample ID:	**Molecular**	**VPOST GAC**							
Sample Date:	**Weight**	01/25/24		06/03/24		07/25/24		11/01/24	
Units:	**(g/mol)**	(ppmv)	(mg/m^3)	(ppmv)	(mg/m^3)	(ppmv)	(mg/m^3)	(ppmv)	(mg/m^3)
VOCs									
1,1-Dichloroethene	96.9	0.0002 U	0.0006 U	0.0002 U	0.0006 U	0.0002	0.0008	0.0002 U	0.0006 U
cis-1,2-Dichloroethene	96.9	0.1300	0.5154	0.0461	0.1828	0.0478	0.1895	0.1140	0.4520
trans-1,2-Dichloroethene	96.9	0.0011	0.0044	0.0008 U	0.0032 U	0.0002 J	0.0010 J	0.0009	0.0035
Tetrachloroethene	165.8	0.0002 U	0.0011 U	0.0002 U	0.0011 U	0.0001 U	0.0006 U	0.0002 U	0.0011 U
Trichloroethene	131.4	0.0376	0.2021	0.0205	0.1102	0.0333	0.1789	0.0453	0.2434
Vinyl Chloride	62.5	0.0075	0.0192	0.0005	0.0013	0.0024	0.0061	0.0018	0.0046
	Total VOCs:	**0.18**	**0.74**	**0.07**	**0.29**	**0.08**	**0.38**	**0.16**	**0.70**

a/ Abbreviations: VOC = volatile organic compound; g/mol = grams per mole; ppmv = parts per million by volume; mg/m^3 = milligrams per cubic meter; U = compound not detected; J = estimated concentration below reporting limit; ND = compound not detected.

Table 7

Well Construction Details and Monitoring Program
Former Emerson Power Transmission Facility
Ithaca, New York (a)

Well ID		Installation Date	State Plane Coordinates Easting	Northing	Elevations (feet AMSL) Ground Surface	Top of Casing	Total Depth (feet bgs)	(feet AMSL)	Diameter (inches)	Screened Interval (feet bgs)	(feet AMSL)		Monitored Zone	Sampling Frequency (b)	Parameters (c)	Sampling Method
EW-01B		09/2005	843106.18	886208.09	564.92	564.54	17.5	547.42	2	7 - 17	557.9 - 547.9		B	Annual - Fall	Water Level Only	-
EW-1-62C	(d)	08/2007	843159.95	886285.60	566.59	565.34	62	504.59	6	18.7 - 62.7	547.9 - 503.9	(b)	C	Annual - Fall	VOCs	Bailer/Tap Grab
EW-2-62C	(d)	-	843119.30	886255.15	565.33	563.93	60.5	504.82	2.75	18.7 - 62.7	546.6 - 502.6	(b)	C	Annual - Fall	VOCs	Bailer/Tap Grab
EW-3-60C	(d)	-	843108.21	886223.35	565.12	563.28	60.6	504.52	-	19.2 - 60.6	545.9 - 504.5	(b)	C	Annual - Fall	VOCs	Bailer/Tap Grab
EW-4-25B		10/2008	843107.29	886221.29	564.04	562.90	25.5	538.54	-	15 - 25	549.0 - 539.0		B	Annual - Fall	VOCs	Bailer/Tap Grab
EW-5		09/2008	843100.60	886196.14	564.49	563.37	25.2	539.29	-	15 - 25	549.5 - 539.5		B	Annual - Fall	VOCs	Bailer/Tap Grab
EW-6-60C		-	843099.51	886194.81	564.49	563.84	54	510.51	-	19.2 - 60.6	545.3 - 503.9	(b)	C	Annual - Fall	VOCs	Bailer/Tap Grab
EW-7-25B		09/2008	843084.17	886176.33	563.28	561.76	25	538.28	-	15 - 25	548.3 - 538.3		B	Annual - Fall	VOCs	Bailer/Tap Grab
EW-8-62C		08/2007	843076.90	886167.91	562.94	561.82	61.5	501.44	-	23.5 - 61.5	539.4 - 501.4	(b)	C	Annual - Fall	VOCs	Bailer/Tap Grab
EW-9R-72C		06/2019	843141.55	886147.62	586.13	585.19	79.3	506.83	4	55 - 79.3	531.1 - 506.8	(b)	C	Annual - Fall	VOCs	Bailer/Tap Grab
EW-10-25B		09/2008	843068.65	886158.34	563.04	561.82	25	538.04	-	15 - 25	548.0 - 538.0		B	Annual - Fall	VOCs	Bailer/Tap Grab
EW-11-43C	(d)	03/2011	843153.00	886142.06	586.80	586.2	45	541.80	4	25 - 45	561.8 - 541.8	(b)	C	Annual - Fall	VOCs	Bailer/Tap Grab
EW-12-45C	(d)	08/2007	843188.42	886146.63	587.05	586.47	45	542.05	4	25 - 45	562.1 - 542.1	(b)	C	Annual - Fall	VOCs	Bailer/Tap Grab
EW-13		12/2022	843089.34	886032.12	587.50	587.16	40.3	547.20	4	25.3 40	562.2 547.2		C	Annual - Fall	VOCs	Bailer/Tap Grab
EW-14		12/2022	843106.13	886049.42	587.52	587.20	40.5	547.02	4	25.5 40.5	562.0 547.0		C	Annual - Fall	VOCs	Bailer/Tap Grab
EXB-07		08/2007	843046.56	886317.64	529.19	529.06	25	504.19	-	5 - 25	524.2 - 504.2	(b)	C	Annual - Fall	VOCs	Low Flow
EXB-09		05/2008	843148.53	886342.70	565.83	565.19	64	501.83	-	-	-	(b)	C	Semiannual - Spring/Fall	VOCs	Low Flow
EXB-10		05/2008	843018.96	886104.16	560.34	560.07	64	496.34	-	-	-	(b)	C	Semiannual - Spring/Fall	VOCs	Low Flow
EXB-11		05/2008	843046.16	886295.68	532.82	532.43	80	452.82	-	-	-	(b)	C	Semiannual - Spring/Fall	Water Level Only	-
MW-1B		07/2004	843143.24	886274.67	566.40	566.34	20	546.60	4	14.8 - 20	551.6 - 547		B	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-2B		10/2003	843116.22	886211.86	564.74	564.00	20.5	544.24	4	10.5 - 20.5	554.2 - 544.2		B	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-3B		10/2003	843101.31	886199.75	564.46	564.24	25	539.46	4	15 - 25	549.5 - 539.5		B	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-4B		07/2004	843025.61	886110.77	561.36	563.83	23	538.36	4	15 - 20	546.4 - 541.4		B	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-5B		10/2003	843087.01	886183.36	563.35	563.22	21	542.35	4	11 - 21	552.4 - 542.4		B	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-5-40		07/1988	843192.04	886147.65	587.03	586.43	40.3	546.73	3	17.3 - 40.3	569.7 - 546.7	(b)	B	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-5-100		08/1989	843188.52	886143.83	587.03	586.23	99	488.03	2	79 - 99	508.0 - 488.0		D	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-6B		10/2003	843468.17	886629.39	560.01	559.59	20	540.01	4	10 - 20	550.0 - 540.0		B	Semiannual - Spring/Fall	Water Level Only	-
MW-7B		08/2007	843133.79	886125.10	587.53	587.26	21	566.53	4	10 - 20	577.5 - 567.5		B	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-7-40		07/1988	842994.20	886304.99	531.11	533.00	38	493.11	3	18 - 38	513.1 - 493.1	(b)	C	Annual - Fall	VOCs	Low-Flow
MW-8B		08/2007	843183.09	886137.66	587.12	586.64	21.3	565.82	4	10 - 20	577.1 - 567.1		B	Semiannual - Spring/Fall	Water Level Only	-
MW-8-40		07/1988	843130.89	886507.35	518.27	517.98	43.2	475.07	3	17.1 - 43.2	501.2 - 475.1	(b)	C	Annual - Fall	VOCs	Bailer Purge
MW-12B		03/2011	843047.28	886050.95	555.66	555.20	15.4	540.26	2	5.4 - 15.4	550.3 540.3		B	Semiannual - Spring/Fall	Water Level Only	-
MW-16-100		08/1988	843001.02	886309.73	530.86	533.47	100	430.86	2	80 - 100	450.9 - 430.9		D	Annual - Fall	VOCs	Low-Flow
MW-18A		02/2005	842535.84	886413.92	396.38	396.13	20	376.38	2	10 - 20	386.4 - 376.4	(b)	B	Annual - Fall	VOCs	Bailer Purge
MW-19B	(e)	12/2023	842952.55	885744.62	599.90	599.54	14.6	585.31	2	4.5 14.5	595.4 585.4		B	Annual - Fall	Cyanide	Low-Flow
MW-20B		03/2005	843121.55	886496.75	517.53	516.09	20.2	497.33	2	15.2 - 20.2	502.3 - 497.3		B	Annual - Fall	VOCs	Bailer Purge
MW-22B		03/2005	843247.83	886844.08	490.95	489.46	16.5	474.45	2	11.5 - 16.5	479.5 - 474.5		B	Annual - Fall	VOCs	Bailer Purge
MW-30B		08/2005	842868.03	886178.14	532.55	534.64	24.5	508.05	2	17.5 - 24.5	515.1 - 508.1		B	Semiannual - Spring/Fall	Water Level Only	-
MW-31B		08/2005	842942.15	886296.68	532.52	533.45	24.5	508.02	2	17.5 - 24.5	515.0 - 508.0		B	Annual - Fall	VOCs	Low-Flow
MW-32B		08/2005	843045.08	886412.97	514.49	512.78	11	503.49	2	5 - 11	509.5 - 503.5		B	Annual - Fall	VOCs	Bailer Purge
MW-40T		09/2007	843620.56	886481.76	593.30	592.97	30.6	562.70	2	9 19	584.3 - 574.3		B	Annual - Fall	VOCs	Bailer Purge
MW-44T		09/2007	842927.90	885982.86	558.67	558.22	50.0	508.67	2	41 46	517.7 - 512.7		C	Annual - Fall	Barium, Cyanide	Low-Flow
MW-46-43C		07/2017	843149.06	886135.37	586.83	586.55	50	536.58	2	40 - 50	546.8 - 536.8		C	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-46-72C		07/2017	843145.54	886138.55	586.04	585.10	84	502.24	2	68.6 - 83.6	517.4 - 502.4		C	Semiannual - Spring/Fall	VOCs	Bailer Purge
MW-50-160D		06/2021	843157.05	886127.02	587.67	587.42	163.7	423.97	4	84 160	503.7 427.7		D	Semiannual - Spring/Fall	VOCs	Low Flow Purge
WSP-MW-04B		11/2015	842307.23	884980.93	593.85	593.57	41.2	552.65	2	26.2 - 41.2	567.7 - 552.7		B	Annual - Fall	Metals, Cyanide, VOCs	Low-Flow
WSP-MW-06C		12/2015	842757.85	885673.66	585.06	584.72	66.0	519.06	2	55.8 - 65.8	529.3 - 519.3		C	Annual - Fall	Barium	Low-Flow
WSP-MW-08B	(f)	12/09/15	842060.00	884842.62	534.58	536.52	21.0	513.58	2	11 21	523.6 513.6		B	Annual - Fall	Cyanide	Low-Flow
LBA-MW-08		08/2013	843020.84	885709.05	599.55	600.06	18.4	581.15	2	3.4 18.4	596.2 - 581.2		B	Annual - Fall	Cyanide	Low-Flow
LBA-MW-18		08/2013	843185.61	885790.13	612.46	615.23	13.4	599.06	2	3.4 - 13.4	609.1 - 599.1		B	Annual - Fall	Barium	Low-Flow
LBA-MW-23		08/2013	843590.27	886615.29	578.44	580.39	22.8	555.64	2	7.8 - 22.8	570.6 - 555.6		B	Annual - Fall	VOCs	Bailer Purge
LBA-MW-26		08/2013	842872.44	885815.25	581.86	581.57	44	537.86	2	34 - 44	547.9 - 537.9		C	Annual - Fall	Barium	Low-Flow
LBA-MW-30		09/2013	843234.05	886389.37	566.77	566.43	25	541.77	2	15 - 25	551.8 - 541.8		B	Annual - Fall	Barium, Cyanide	Low-Flow
LBA-MW-34N		12/2013	843366.49	886275.74	587.63	587.35	21	566.63	4	4 - 21	583.6 - 566.6		B	Annual - Fall	VOCs, Barium	Low-Flow
LBA-MW-35		12/2013	843182.73	885786.82	612.97	612.58	32	580.97	4	5.1 - 32	607.9 - 581.0		B	Annual - Fall	Barium, Cyanide	Low-Flow
LBA-MW-39		12/2013	842880.05	885810.29	583.06	582.61	25.5	557.56	4	14 - 25.5	569.1 - 557.6		B	Annual - Fall	VOCs, Cyanide	Low-Flow
LBA-MW-43N		12/2013	843023.26	885681.37	612.50	612.17	25	587.50	4	8 - 25	604.5 - 587.5		B	Annual - Fall	Cyanide	Low-Flow
LBA-MW-43S		12/2013	843020.13	885677.87	612.51	612.23	47	565.51	2	36 - 47	576.5 - 565.5		C	Annual - Fall	Barium, Cyanide	Low-Flow

a/ ID = identification; AMSL = above mean sea level; bgs = below ground surface; PVC = polyvinyl chloride; SS = stainless steel; NA = not applicable; "-" information not available.
b/ Open borehole.
c/ Analytical Parameters include: VOCs = SW846 8260D, Barium = SW846 6010D, Cyanide = EPA 335.4
d/ EW-1-62C (Formerly EXB-05)
EW-2-62C (Formerly EW-01)
EW-3-60C (Formerly EW-02)
EW-11-43C (Formerly MW-14C)
EW-12-45C (Formerly EXB-02)
e/ LBA-MW-19 was found to be abandoned; therefore, upon NYSDEC request the well was replaced in December 2023 by well MW-19B.
f/ LBA-MW-13 was damaged and thus not sampled during the Revised Site-Wide Groundwater Monitoring Program; WSP-MW-08B was added as a downgradient monitoring well to the 2024 Site-Wide Monitoring Program replacing LBA-MW-13.

Table 8

September 2024 Groundwater Elevation Measurements
Former Emerson Power Transmission
Ithaca, New York (a)

		DPE System On (09/16/2024)			DPE System Off (09/23/2024)			DPE System Drawdown
Well ID	**Top of casing Elevation (ft amsl)**	**Depth to Product (ft)**	**Depth to Groundwater (ft)**	**Groundwater Elevation (ft amsl)**	**Depth to Product (ft)**	**Depth to Groundwater (ft)**	**Groundwater Elevation (ft amsl)**	**Depth of Drawdown (ft)**
A-Zone Wells								
MW-18A	396.13	-	NM	NM	-	5.94	390.19	NA
B-Zone Wells								
EW-01B	564.54	-	13.64	550.90	-	13.52	551.02	0.12
EW-4-25B	562.90	-	20.75	542.15	-	19.66	543.24	1.09
EW-5-25B	563.37	-	13.81	549.56	-	13.75	549.62	0.06
EW-7-25B	561.76	-	19.53	542.23	-	9.72	552.04	9.81
EW-10-25B	561.82	-	20.81	541.01	-	19.78	542.04	1.03
EXB-11	532.43	-	55.02	477.41	-	58.17	474.26	-3.15
MW-1B	566.34	-	16.13	550.21	-	15.89	550.45	0.24
MW-2B	564.00	-	12.46	551.54	-	12.25	551.75	0.21
MW-3B	564.24	-	14.78	549.46	-	14.68	549.56	0.10
MW-4B	563.83	-	19.71	544.12	-	19.16	544.67	0.55
MW-5B	563.22	-	18.22	545.00	-	16.28	546.94	1.94
MW-6B	560.87	-	12.95	547.92	-	13.09	547.78	-0.14
MW-7B	587.26	-	17.61	569.65	-	18.25	569.01	-0.64
MW-8B	586.64	-	8.95	577.69	-	9.05	577.59	-0.10
MW-12B	555.20	-	2.26	552.94	-	2.33	552.87	-0.07
MW-19B	599.54	-	NM	NM	-	10.26	589.28	NA
MW-20B	516.09	-	11.38	504.71	-	11.71	504.38	-0.33
MW-22B	489.46	-	NM	NM	-	13.53	475.93	NA
MW-30B	533.48	-	18.46	515.02	-	17.89	515.59	0.57
MW-31B	533.45	-	NM	NM	-	21.13	512.32	NA
MW-32B	512.78	-	4.49	508.29	-	4.53	508.25	-0.04
MW-40T	592.97	-	NM	NM	-	6.98	585.99	NA
LBA-MW-08	600.06	-	NM	NM	-	9.48	590.58	NA
LBA-MW-18	615.23	-	NM	NM	-	7.44	607.79	NA
LBA-MW-23	580.39	-	NM	NM	-	6.72	573.67	NA
LBA-MW-26	581.57	-	NM	NM	-	25.74	555.83	NA
LBA-MW-30	566.43	-	NM	NM	-	11.84	554.59	NA
LBA-MW-34N	587.35	-	NM	NM	-	13.64	573.71	NA
LBA-MW-35	612.58	-	NM	NM	-	8.22	604.36	NA
LBA-MW-39	582.61	-	NM	NM	-	14.07	568.54	NA
LBA-MW-43N	612.17	-	NM	NM	-	12.78	599.39	NA
WSP-MW-04B	593.57	-	NM	NM	-	23.7	569.87	NA
C-Zone Wells								
EW-1-62C	565.34	-	52.40	512.94	-	36.61	528.73	15.79
EW-2-62C	563.93	-	56.31	507.62	-	40.75	523.18	15.56
EW-3-60C	563.28	-	56.53	506.75	-	38.87	524.41	17.66
EW-6-60C	563.84	-	47.37	516.47	-	39.02	524.82	8.35
EW-8-62C	561.82	-	51.03	510.79	-	37.09	524.73	13.94
EW-9R-72C	585.10	-	71.32	513.78	-	62.25	522.85	9.07
EW-11-43C	585.07	-	37.39	547.68	-	24.18	560.89	13.21
EW-12-45C	586.47	-	40.89	545.58	-	40.72	545.75	0.17
EW-13	587.16	-	26.52	560.64	-	26.75	560.41	-0.23
EW-14	587.20	-	28.5	558.70	-	28.52	558.68	-0.02
EXB-7	529.06	-	9.02	520.04	-	7.43	521.63	1.59
EXB-9	565.19	-	51.70	513.49	-	48.40	516.79	3.30
EXB-10	560.07	-	44.21	515.86	-	34.60	525.47	9.61
MW-5-40	586.43	-	30.94	555.49	-	29.47	556.96	1.47
MW-7-40	533.00	-	NM	NM	-	17.23	515.77	NA
MW-8-40	517.98	-	NM	NM	-	30.69	487.29	NA
MW-44T	558.22	-	25.59	532.63	-	24.19	534.03	1.40
MW-46-43C	586.55	-	34.09	552.46	-	31.78	554.77	2.31
MW-46-72C	586.21	-	75.32	510.89	-	69.85	516.36	5.47
LBA-MW-43S	512.23	-	NM	NM	-	28.56	483.67	NA
WSP-MW-06C	584.72	-	NM	NM	-	39.29	545.43	NA
D-Zone Wells								
MW-50-160D	587.42	-	126.48	460.94	-	111.09	476.33	15.39
MW-5-100	586.21	-	94.50	491.71	-	94.51	491.70	-0.01
MW-16-100	533.47	-	NM	NM	-	76.22	457.25	NA

a/ Abbreviations: ft = feet; amsl = above Mean Sea Level; "-" = no measureable thickness of free-phase petroleum product; "NM" = no measurement taken; "NA" = not available

Table 9

April 2024 Groundwater Elevation Measurements
Former Emerson Power Transmission
Ithaca, New York (a)

		DPE System On (04/15/2024)		
Well ID	**Top of casing Elevation (ft amsl)**	**Depth to Product (ft)**	**Depth to Groundwater (ft)**	**Groundwater Elevation (ft amsl)**
B-Zone Wells				
EXB-11	532.43	-	65.14	467.29
MW-1B	566.34	-	11.96	554.38
MW-2B	564.00	-	7.58	556.42
MW-3B	564.24	-	10.20	554.04
MW-4B	563.83	-	19.56	544.27
MW-5B	563.22	-	16.47	546.75
MW-6B	560.87	-	9.61	551.26
MW-7B	587.26	-	15.99	571.27
MW-8B	586.64	-	8.79	577.85
MW-12B	555.20	-	2.34	552.86
MW-30B	533.48	-	14.40	519.08
C-Zone Wells				
EXB-9	565.19	-	48.86	516.33
EXB-10	560.07	-	43.47	516.60
MW-5-40	586.43	-	29.11	557.32
MW-46-43C	586.55	-	32.27	554.28
MW-46-72C	586.21	-	72.25	513.96
D-Zone Wells				
MW-50-160D	587.42	-	124.51	462.91
MW-5-100	586.21	-	92.87	493.34

a/ Abbreviations: ft = feet; amsl = above Mean Sea Level; "-" = no measureable thickness of free-phase petroleum product; "NM" = no measurement taken

Table 10

September 2024 Groundwater Sampling Results
Former Emerson Power Transmission
Ithaca, New York (a)

		DPE System Effectiveness Monitoring								Site-Wide Monitoring Program										
Well ID:		**MW-1B**	**MW-2B**	**MW-3B**	**MW-4B**	**MW-5B**	**MW-5-40**	**MW-5-100**	**MW-7B**	**MW-7-40**	**MW-8-40**	**MW-16-100**	**MW-18A**	**MW-19B (b)**	**MW-20B**	**MW-22B**	**MW-31B**	**MW-32B**	**MW-40T**	**MW-44T**
Sample ID:		**MW-1B**	**MW-2B**	**MW-3B**	**MW-4B**	**MW-5B**	**MW-5-40**	**MW-5-100**	**MW-7B**	**MW-7-40**	**MW-8-40**	**MW-16-100**	**MW-18A**	**MW-19B**	**MW-20B**	**MW-22B**	**MW-31B**	**MW-32B**	**MW-40T**	**MW-44T**
Date:		**9/25/2024**	**9/25/2024**	**9/25/2024**	**9/25/2004**	**9/25/2024**	**9/25/2024**	**9/25/2024**	**9/25/2024**	**9/24/2024**	**9/25/2024**	**9/24/2024**	**9/26/2024**	**9/26/2024**	**9/25/2024**	**9/26/2024**	**9/24/2024**	**9/24/2024**	**9/26/2024**	**9/25/2024**
VOCs (µg/l)	**Evaluation Criteria (c)**																			
Acetone	50	10 U	200 U	200 U	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	100 U	-
Benzene	1	0.50 U	10 U	10 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-	0.5 U	0.5 U	0.5 U	0.5 U	5.0 U	-
Bromodichloromethane	50	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Bromoform	50	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Bromomethane	5	2.0 U	40 U	40 U	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-	2.0 UJ	2.0 U	2.0 U	2.0 U	20 U	-
2-Butanone (MEK)	50	10 U	200 U	200 U	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	100 U	-
Carbon Disulfide	60	2.0 U	40 U	40 U	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-	2.0 U	2.0 U	2.0 U	2.0 U	20 U	-
Carbon Tetrachloride	5	1.0 UJ	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Chlorobenzene	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Chloroethane	5	1.0 UJ	20 UJ	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 UJ	10 U	-
Chloroform	7	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Chloromethane	5	1.0 UJ	20 UJ	20 U	1.0 U	1.0 U	50 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 UJ	10 U	-
Cyclohexane	-	5.0 U	100 U	100 U	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	50 U	-
1,2-Dibromo-3-chloropropane	4	2.0 U	40 U	40 U	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-	2.0 U	2.0 U	2.0 U	2.0 U	20 U	-
Dibromochloromethane	50	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 UJ	-
1,2-Dibromoethane	6	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
1,2-Dichlorobenzene	3	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
1,3-Dichlorobenzene	3	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
1,4-Dichlorobenzene	3	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Dichlorodifluoromethane	5	2.0 U	40 U	40 U	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-	2.0 U	2.0 U	2.0 U	2.0 U	20 U	-
1,1-Dichloroethane	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 J	-
1,2-Dichloroethane	0.6	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
1,1-Dichloroethene	5	1.3	20 U	**15.4 J**	1.0 U	4.1	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	**8 J**	-
cis-1,2-Dichloroethene	5	**481**	**5,730**	**8,070**	1.0 U	**1,890**	**10,300**	**6**	**114.0**	**87.8**	1.0 U	1.5	1.0 U	-	1.0 U	1.0 U	1.0 U	**14.3**	**4,300**	-
trans-1,2-Dichloroethene	5	2.80	**28.9**	**56.4**	1.0 U	**24.8**	**201**	1.0 U	0.9 J	1.2	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	**38.2**	-
1,2-Dichloropropane	1	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
cis-1,3-Dichloropropene	0.4	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
trans-1,3-Dichloropropene	0.4	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Ethylbenzene	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Freon 113	5	5.0 UJ	100 U	100 U	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	50 UJ	-
2-Hexanone	50	5.0 U	100 UJ	100 U	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	50 U	-
Isopropylbenzene	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Methyl Acetate	-	5.0 U	100 U	100 U	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	50 U	-
Methylcyclohexane	-	5.0 U	100 U	100 U	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	1.2 J	50 U	-
Methyl Tert Butyl Ether	10	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
4-Methyl-2-pentanone (MIBK)	-	5.0 U	100 U	100 U	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 UJ	50 U	-
Methylene chloride	5	2.0 U	40 U	40 U	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-	2.0 U	2.0 U	2.0 U	2.0 U	20 U	-
Styrene	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
1,1,2,2-Tetrachloroethane	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Tetrachloroethene	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Toluene	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
1,2,4-Trichlorobenzene	5	1.0 UJ	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 UJ	-
1,1,1-Trichloroethane	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
1,1,2-Trichloroethane	1	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10 U	-
Trichloroethene	5	**564.0**	**5,690**	**5,640**	1.0 U	**429**	**1,480**	1.1	3.1	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	**29.7**	10 U	-
Trichlorofluoromethane	5	2.0 UJ	40 U	40 U	2.0 UJ	2.0 U	100 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-	2.0 U	2.0 U	2.0 U	2.0 U	20 UJ	-
Vinyl chloride	2	**8.0**	**88.1** UJ	**119**	0.84 J	**4.3**	**2,570**	**2.7**	**28.1**	**23.4**	1.0 UJ	**4.8**	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 UJ	**298**	-
Xylene (total)	5	1.0 U	20 U	20 U	1.0 U	1.0 U	50 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	-
Total VOCs:		1057.1	11,449	13,901	1	2,352	14,551	10	146	112	ND	6	ND	-	ND	ND	ND	45	4,654	-
Total Site CVOCs:		1057.1	11,449	13,901	1	2,352	14,551	10	146	112	ND	6	ND	-	ND	ND	ND	44	4,644	-
General Chemistry:																				
Barium (µg/l)	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80.1 J	-	-	**2,420**
Cyanide (mg/l)	0.2	-	-	-	-	-	-	-	-	-	-	-	-	**22.7**	-	-	-	-	-	0.028

Table 10

September 2024 Groundwater Sampling Results
Former Emerson Power Transmission
Ithaca, New York (a)

		DPE System Effectiveness Monitoring			Site-Wide	DPE System Effectiveness		Site-Wide Monitoring Program			DPE System Effectiveness Monitoring									
Well ID:		**MW-46-43C**	**MW-46-72C**	**MW-50-160D**	**EXB-7**	**EXB-9**	**EXB-10**	**WSP-MW-04B**	**WSP-MW-06C**	**WSP-MW-08B**	**EW-01-62C**	**EW-02-62C**	**EW-03-60C**	**EW-04-25B**	**EW-05-25B**	**EW-06-60C**	**EW-07-25B**	**EW-08-62C**	**EW-9R-72C**	**EW-10-25B**
Sample ID:		**MW-46-43C**	**MW-46-72C**	**MW-50-160D**	**EXB-7**	**EXB-9**	**EXB-10**	**WSP-MW-04B**	**WSP-MW-06C**	**WSP-MW-08B**	**EW-01-62C**	**EW-02-62C**	**EW-03-60C**	**EW-04-25B**	**EW-05-25B**	**EW-06-60C**	**EW-07-25B**	**EW-08-62C**	**EW-9R-72C**	**EW-10-25B**
Date:		**9/25/2024**	**9/25/2024**	**9/26/2024**	**9/24/2023**	**9/24/2024**	**9/25/2024**	**9/25/2024**	**9/25/2024**	**9/26/2024**	**9/27/2024**	**9/27/2024**	**9/27/2024**	**9/27/2024**	**9/27/2024**	**9/27/2024**	**9/27/2024**	**9/27/2024**	**9/27/2024**	**9/27/2024**
VOCs (µg/l)	**Evaluation Criteria (c)**																			
Acetone	50	500 UJ	500 U	50 U	50 UJ	10 U	10 U	-	-	-	50 U	200 UJ	17.0 J	50 UJ	250 U	50 UJ	50 U	100 UJ	1000 UJ	4.8 J
Benzene	1	25 U	25 U	2.5 U	2.5 U	0.5 U	0.5 U	-	-	-	2.5 U	10 U	2.5 U	2.5 U	13 U	2.5 U	2.5 U	5.0 U	50 U	0.5 U
Bromodichloromethane	50	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Bromoform	50	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Bromomethane	5	100 U	100 U	10 U	10 U	2.0 U	2.0 U	-	-	-	10 UJ	40 U	10 U	10 U	50 UJ	10 U	10 UJ	20 U	200 U	2.0 U
2-Butanone (MEK)	50	500 U	500 U	50 U	50 U	10 U	10 U	-	-	-	50 U	200 UJ	50 U	50 UJ	250 U	50 UJ	50 U	100 UJ	1000 UJ	10 U
Carbon Disulfide	60	100 U	100 U	10 U	10 U	2.0 U	2.0 U	-	-	-	10 U	40 U	10 U	10 U	50 U	10 U	10 U	20 U	200 U	2.0 U
Carbon Tetrachloride	5	50 UJ	50 U	5.0 U	5.0 UJ	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Chlorobenzene	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Chloroethane	5	50 UJ	50 U	5.0 U	5.0 UJ	1.0 U	1.0 UJ	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Chloroform	7	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.6	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Chloromethane	5	50 U	50 UJ	5.0 U	5.0 UJ	1.0 UJ	1.0 UJ	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Cyclohexane	-	250 U	250 U	25 U	25 U	5.0 U	5.0 U	-	-	-	25 U	100 U	25 U	25 U	130 U	25 U	25 U	50 U	500 U	5.0 U
1,2-Dibromo-3-chloropropane	4	100 U	100 U	10 U	10 U	2.0 U	2.0 U	-	-	-	10 U	40 U	10 U	10 U	25 U	10 U	10 U	20 U	200 U	2.0 U
Dibromochloromethane	50	50 UJ	50 U	5.0 U	5.0 UJ	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,2-Dibromoethane	6	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,2-Dichlorobenzene	3	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,3-Dichlorobenzene	3	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,4-Dichlorobenzene	3	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Dichlorodifluoromethane	5	100 U	100 U	10 U	10 U	2.0 U	2.0 U	-	-	-	10 U	40 U	10 U	10 U	50 U	10 U	10 U	20 U	200 U	2.0 U
1,1-Dichloroethane	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,2-Dichloroethane	0.6	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,1-Dichloroethene	5	50 U	50 U	4.1 J	5.0 U	1.0 U	1.0 U	-	-	-	3.2 J	20 U	**5.4**	5.0 J	25 U	5.0 U	**34.1**	**5.9 J**	100 U	1.0 U
cis-1,2-Dichloroethene	5	**12,400**	**6,020**	**2,440**	**1,260**	1.0 U	1.1	-	-	-	**2,880**	**2,720**	**2,820**	**973**	**3,380**	**2,470**	**18,300**	**5,280**	**15,800**	**429**
trans-1,2-Dichloroethene	5	**118**	50.0 U	**8.6**	**18.6**	1.0 U	1.0 U	-	-	-	**34.6**	**32.7**	**28.2**	**7.4**	**19.1 J**	**26.5**	**76.9**	**33.9**	**97.8 J**	3.5
1,2-Dichloropropane	1	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
cis-1,3-Dichloropropene	0.4	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
trans-1,3-Dichloropropene	0.4	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Ethylbenzene	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Freon 113	5	250 UJ	250 U	25 U	25 U	5.0 U	5.0 U	-	-	-	25 U	100 U	25 U	25 U	130 U	25 U	25 U	50 U	500 U	5.0 U
2-Hexanone	50	250 U	250 U	25 U	25 U	5.0 U	5.0 U	-	-	-	25 U	100 U	25 U	25 U	130 U	25 U	25 U	50 U	500 U	5.0 U
Isopropylbenzene	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Methyl Acetate	-	250 U	250 U	25 U	25 U	5.0 U	5.0 U	-	-	-	25 U	100 U	25 U	25 U	130 U	25 U	25 U	50 U	500 U	5.0 U
Methylcyclohexane	-	250 U	250 J	25 U	25 U	5.0 U	5.0 U	-	-	-	25 U	100 U	25 U	25 U	130 U	25 U	25 U	50 U	500 U	5.0 U
Methyl Tert Butyl Ether	10	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
4-Methyl-2-pentanone (MIBK)	-	250 U	250 U	25 U	25 UJ	5.0 U	5.0 UJ	-	-	-	25 U	100 U	25 U	25 U	130 U	25 U	25 U	50 U	500 U	5.0 U
Methylene chloride	5	100 U	100 U	10 U	10 U	2.0 U	2.0 U	-	-	-	10 U	40 U	10 U	10 U	50 U	10 U	10 U	20 U	200 U	2.0 U
Styrene	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,1,2,2-Tetrachloroethane	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Tetrachloroethene	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Toluene	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,2,4-Trichlorobenzene	5	50 UJ	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,1,1-Trichloroethane	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
1,1,2-Trichloroethane	1	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Trichloroethene	5	50 U	**6,830**	4.1 J	**201**	1.0 U	1.0 U	-	-	-	**212**	**1,480**	**2,530**	**2,070**	**1,720**	**553**	**21.0**	**1,420**	**26,800**	**220**
Trichlorofluoromethane	5	100 UJ	100 U	10 U	10 U	2.0 U	2.0 U	-	-	-	10.0 U	40.0 U	10 U	10.0 U	50 U	10 U	10 U	20 U	200 U	2.0 U
Vinyl chloride	2	**8,310**	**160**	**1,250**	**9.5** UJ	1.0 U	1.0 UJ	-	-	-	**493**	**107**	**24.6**	**86.9**	**60.1**	**4.9 J**	**1,710**	**75.3**	**519**	**2.9**
Xylene (total)	5	50 U	50 U	5.0 U	5.0 U	1.0 U	1.0 U	-	-	-	5.0 U	20.0 U	5.0 U	5.0 U	25.0 U	5.0 U	5.0 U	10 U	100 U	1.0 U
Total VOCs:		20,828	13,260	3,707	1,480	ND	1	-	-	-	3,623	4,340	5,431	3,142	5,179	3,054	20,142	6,815	43,217	660
Total Site CVOCs:		20,828	13,010	3,707	1,480	ND	1	-	-	-	3,623	4,340	5,408	3,142	5,179	3,054	20,142	6,815	43,217	655
General Chemistry:																				
Barium (µg/l)	1,000	-	-	-	-	-	-	252	**5,940**	-	-	-	-	-	-	-	-	-	-	-
Cyanide (mg/l)	0.2	-	-	-	-	-	-	**0.65**		0.039	-	-	-	-	-	-	-	-	-	-

Table 10

September 2024 Groundwater Sampling Results
Former Emerson Power Transmission
Ithaca, New York (a)

		DPE System Effectiveness Monitoring				Site-Wide Monitoring Program										Duplicates (d) and QA/QC Samples							
Well ID:		**EW-11-43C**	**EW-12-45C**	**EW-13**	**EW-14**	**LBA-MW-08**	**LBA-MW-18**	**LBA-MW-23**	**LBA-MW-26**	**LBA-MW-30**	**LBA-MW-34N**	**LBA-MW-35**	**LBA-MW-39**	**LBA-MW-43S**	**LBA-MW-43N**	**MW-8-40**	**MW-44T**	**MW-50-160D**	**MW-46-72C**	-	-	-	-
Sample ID:		**EW-11-43C**	**EW-12-45C**	**EW-13**	**EW-14**	**LBA-MW-08**	**LBA-MW-18**	**LBA-MW-23**	**LBA-MW-26**	**LBA-MW-30**	**LBA-MW-34N**	**LBA-MW-35**	**LBA-MW-39**	**LBA-MW-43S**	**LBA-MW-43N**	**MW-100**	**MW-102**	**MW-103**	**MW-101**	**EB-092524**	**EB-092424**		**EB-092624**
Date:		**9/27/2024**	**9/27/2024**	**9/26/2024**	**9/25/2024**	**9/26/2024**	**9/26/2024**	**9/26/2024**	**9/25/2024**	**9/24/2024**	**9/26/2024**	**9/26/2024**	**9/25/2024**	**9/25/2024**	**9/25/2024**	**9/25/2024**	**9/25/2024**	**9/26/2024**	**9/25/2024**	**9/25/2024**	**9/24/2024**	**4/20/2023**	**9/26/2024**
VOCs (µg/l)	**Evaluation Criteria (c)**																						
Acetone	50	500 U	500 UJ	10 U	10 UJ	-	-	10 U	-	-	10 U	-	10 U	-	-	10 U	-	50 U	200 UJ	10 U	7.2 J	-	5.3 J
Benzene	1	25 U	25 U	0.5 U	0.5 U	-	-	0.5 U	-	-	0.5 U	-	0.5 U	-	-	0.5 U	-	2.5 U	10 U	0.5 U	0.5 U	-	0.5 U
Bromodichloromethane	50	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Bromoform	50	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Bromomethane	5	100 UJ	100 U	2.0 UJ	2.0 U	-	-	2.0 U	-	-	2.0 U	-	2.0 U	-	-	2.0 U	-	10 U	40 UJ	2.0 U	2.0 U	-	2.0 U
2-Butanone (MEK)	50	500 U	500 UJ	10 U	10 U	-	-	10 U	-	-	10 U	-	10 U	-	-	10 U	-	50 U	200 U	10 U	3.7 J	-	10 U
Carbon Disulfide	60	100 U	100 U	2.0 U	2.0 U	-	-	2.0 U	-	-	2.0 U	-	2.0 U	-	-	2.0 U	-	10 U	40 U	2.0 U	2.0 U	-	2.0 U
Carbon Tetrachloride	5	50 U	50 U	1.0 U	1.0 UJ	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 UJ	1.0 U	1.0 U	-	1.0 U
Chlorobenzene	5	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Chloroethane	5	50 U	50 U	1.0 U	1.0 UJ	-	-	1.0 UJ	-	-	1.2	-	**45.3** UJ	-	-	1.0 UJ	-	5.0 U	20 U	1.0 U	1.0 UJ	-	1.0 U
Chloroform	7	50 U	50 U	0.7 J	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Chloromethane	5	50 U	50 U	1.0 U	1.0 U	-	-	1.0 UJ	-	-	1.0 U	-	1.0 UJ	-	-	1.0 UJ	-	5.0 U	20 UJ	1.0 U	1.0 U	-	1.0 U
Cyclohexane	-	250 U	250 U	5.0 U	5.0 U	-	-	5.0 U	-	-	5.0 U	-	5.0 U	-	-	5.0 U	-	25 U	100 U	5.0 U	5.0 U	-	5.0 U
1,2-Dibromo-3-chloropropane	4	100 U	100 U	2.0 U	2.0 U	-	-	2.0 U	-	-	2.0 U	-	2.0 U	-	-	2.0 U	-	10 U	40 U	2.0 U	2.0 U	-	2.0 U
Dibromochloromethane	50	50 U	50 U	1.0 U	1.0 UJ	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 UJ	1.0 U	1.0 U	-	1.0 U
1,2-Dibromoethane	6	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
1,2-Dichlorobenzene	3	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
1,3-Dichlorobenzene	3	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
1,4-Dichlorobenzene	3	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Dichlorodifluoromethane	5	100 U	100 U	2.0 U	2.0 U	-	-	2.0 U	-	-	2.0 U	-	2.0 U	-	-	2.0 U	-	10 U	40 U	2.0 U	2.0 U	-	2.0 U
1,1-Dichloroethane	5	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	**24.8**	-	**200.0**	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
1,2-Dichloroethane	0.6	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
1,1-Dichloroethene	5	**39.4 J**	50.0 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	**9.5**	-	-	1.0 U	-	3.6 J	**22.4**	1.0 U	1.0 U	-	1.0 U
cis-1,2-Dichloroethene	5	**12,800**	**3,610**	**87.1**	**25.1**	-	-	4	-	-	**12.7**	-	**9.4**	-	-	1.0 U	-	**2400**	**8,740**	1.0 U	1.0 U	-	1.0 U
trans-1,2-Dichloroethene	5	**70.4**	50.0 U	1.0 U	1.0 U	-	-	1.0 U	-	-	2.2	-	1.0 U	-	-	1.0 U	-	**7.4**	**23.9**	1.0 U	1.0 U	-	1.0 U
1,2-Dichloropropane	1	50 U	50.0 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
cis-1,3-Dichloropropene	0.4	50 U	50.0 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
trans-1,3-Dichloropropene	0.4	50 U	50.0 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Ethylbenzene	5	50 U	**138**	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Freon 113	5	250 U	250 U	5.0 U	5.0 UJ	-	-	5.0 U	-	-	5.0 U	-	5.0 U	-	-	5.0 U	-	25 U	100 UJ	5.0 U	5.0 U	-	5.0 U
2-Hexanone	50	250 U	250 U	5.0 U	5.0 U	-	-	5.0 U	-	-	5.0 U	-	5.0 U	-	-	5.0 U	-	25 U	100 U	5.0 U	5.0 UJ	-	5.0 U
Isopropylbenzene	5	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Methyl Acetate	-	250 U	250 U	5.0 U	5.0 U	-	-	5.0 U	-	-	5.0 U	-	5.0 U	-	-	5.0 U	-	25 U	100 U	5.0 U	5.0 U	-	5.0 U
Methylcyclohexane	-	250 U	96.3 J	5.0 U	5.0 U	-	-	5.0 U	-	-	5.0 U	-	5.0 U	-	-	5.0 U	-	25 U	100 U	5.0 U	5.0 U	-	5.0 U
Methyl Tert Butyl Ether	10	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
4-Methyl-2-pentanone (MIBK)	-	250 U	250 U	5.0 U	5.0 U	-	-	5.0 UJ	-	-	5.0 U	-	5.0 UJ	-	-	5.0 UJ	-	25 U	100 U	5.0 U	5.0 U	-	5.0 U
Methylene chloride	5	100 U	100 U	2.0 U	2.0 U	-	-	2.0 U	-	-	2.0 U	-	2.0 U	-	-	2.0 U	-	10 U	40 U	2.0 U	2.0 U	-	2.0 U
Styrene	5	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
1,1,2,2-Tetrachloroethane	5	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Tetrachloroethene	5	50 U	50 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Toluene	5	50 U	**85.8**	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
1,2,4-Trichlorobenzene	5	50 U	50.0 U	1.0 U	1.0 UJ	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 UJ	1.0 U	1.0 U	-	1.0 U
1,1,1-Trichloroethane	5	50 U	50.0 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	**160.0**	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
1,1,2-Trichloroethane	1	50 U	50.0 U	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Trichloroethene	5	**21,900**	**7,870**	**6.3**	1.0 U	-	-	0.6 J	-	-	1.0 U	-	1.8	-	-	1.0 U	-	**4.5** J	**4610**	1.0 U	1.0 U	-	1.0 U
Trichlorofluoromethane	5	100.0 U	100.0 U	2.0 U	2.0 UJ	-	-	2.0 U	-	-	2.0 U	-	2.0 U	-	-	2.0 U	-	10.0 U	40 U	2.0 U	2.0 U	-	2.0 U
Vinyl chloride	2	50.0 U	50.0 U	**7.8**	1.4	-	-	1.0 UJ	-	-	**48.7**	-	**4.7** UJ	-	-	1.0 UJ	-	**1260.0**	**676** UJ	1.0 U	1.0 U	-	1.0 U
Xylene (total)	5	50.0 U	**752**	1.0 U	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	-	1.0 U	-	5.0 U	20 U	1.0 U	1.0 U	-	1.0 U
Total VOCs:		34,810	12,552	102	27	-	-	5	-	-	90	-	381	-	-	ND	-	3,676	13,396	ND	11	-	5
Total Site CVOCs:		34,810	11,480	101	27	-	-	5	-	-	64	-	21	-	-	ND	-	3,676	13,396	ND	ND	-	ND
General Chemistry:																							
Barium (µg/l)	1,000	-		-		-	**3,580**	-	**1,650**	217	**1,540**	**4,130**	-	**6,100**	-	-	**3,090**	-	-	13 U	13 U	13 U	13 U
Cyanide (mg/l)	0.2	-		-		**7.8**	-	-	-	**0.21**	-	**0.32**	**0.38**	**0.6**	**1.7**	-	0.033	-	-	0.0041 U	0.0041 U	0.0041 U	0.0089 J

a/ VOC = volatile organic compound; CVOC = chlorinated volatile organic compound; µg/l = micrograms per liter; U = analyte not detected above Reporting Limit; J = estimated concentration below the laboratory Reporting Limit or equal to or greater than the Method Detection Limit; UJ = not detected above the reported quantitation limit, analyte QC analysis fails outside primary acceptance limits; ND = none detected. Red qualifiers were added during validation process.

b/ LBA-MW-19 was found abandoned;well replaced with MW-19B

c/ Concentrations in bold text exceed evaluation criteria. Evaluation criteria are the New York State Ambient Water Quality Standards or Guidance Values for Class GA groundwater provided in the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1), dated June 1998, and the April 2000 Addendum.

d/ The blind duplicates

Table 11

April 2024 Groundwater Sampling Results
Former Emerson Power Transmission
Ithaca, New York (a)

		Groundwater Samples													Duplicates (c) and QA/QC Samples	
	Well ID:	**MW-1B**	**MW-2B**	**MW-3B**	**MW-4B**	**MW-5B**	**MW-5-40**	**MW-5-100**	**MW-7B**	**MW-46-43C**	**MW-46-72C**	**MW-50-160D**	**EXB-9**	**EXB-10**	**MW-50-160D**	**-**
	Sample ID:	**MW-1B**	**MW-2B**	**MW-3B**	**MW-4B**	**MW-5B**	**MW-5-40**	**MW-5-100**	**MW-7B**	**MW-46-43C**	**MW-46-72C**	**MW-50-160D**	**EXB-9**	**EXB-10**	**MW-0424**	**EB-041724**
	Date:	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**	**4/17/2024**
VOCs (µg/l)	**Evaluation Criteria (b)**															
Acetone	50	10 U	200 U	50 U	10 U	10 U	250 U	10 U	10 UJ	250 UJ	250 U	40 U	10 U	10 U	40 UJ	10 U
Benzene	1	0.50 U	10 U	2.5 U	0.5 U	0.5 U	13 U	0.5 U	0.5 U	13 U	13 U	2.0 U	0.5 U	0.66	2.0 U	0.5 U
Bromodichloromethane	50	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Bromoform	50	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Bromomethane	5	2.0 U	40 UJ	10 UJ	2.0 U	2.0 U	50 U	2.0 UJ	2.0 UJ	50 UJ	50 UJ	8 U	2.0 U	2.0 UJ	8 U	2.0 U
2-Butanone (MEK)	50	10 U	200 U	50 U	10 U	10 U	250 U	10 U	10 U	250 U	250 U	40 U	10 U	10 U	40 U	10 U
Carbon Disulfide	60	2.0 U	40 U	10 U	2.0 U	2.0 U	50 U	2.0 U	2.0 U	50 U	50 U	8 U	2.0 U	2.0 U	8 U	2.0 U
Carbon Tetrachloride	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Chlorobenzene	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Chloroethane	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Chloroform	7	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Chloromethane	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Cyclohexane	-	5.0 U	100 U	25 U	5.0 U	5.0 U	130 U	5.0 U	5.0 U	130 U	130 U	20 U	5.0 U	1.8 J	20 U	5.0 U
1,2-Dibromo-3-chloropropane	4	2.0 UJ	40 U	10 U	2.0 UJ	2.0 UJ	25 UJ	2.0 U	2.0 U	25 U	25 U	8 U	2.0 UJ	2.0 U	8 U	2.0 UJ
Dibromochloromethane	50	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 UJ	1.0 U	1.0 U	4 U	1.0 U
1,2-Dibromoethane	6	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Dichlorodifluoromethane	5	2.0 U	40 U	10 U	2.0 U	2.0 U	50 U	2.0 U	2.0 U	50 U	50 U	8 U	2.0 U	2.0 U	8 U	2.0 U
1,1-Dichloroethane	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
1,1-Dichloroethene	5	1.0 U	20 U	**5.1**	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	**28.1**	4 U	1.0 U	1.0 U	4 U	1.0 U
cis-1,2-Dichloroethene	5	**126**	**2,950**	**2,290**	1.0 U	**188**	**8,430**	**11.7**	1.0 U	**7,800**	**9,530**	**510**	1.0 U	1.6	**551**	1.0 U
trans-1,2-Dichloroethene	5	0.85 J	**12.9 J**	**17.5**	1.0 U	**5.8**	**467**	1.0 U	1.0 U	**59.9**	**39.4**	4.1	1.0 U	1.0 U	5.0	1.0 U
1,2-Dichloropropane	1	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	20 U	5.0 UJ	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Ethylbenzene	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Freon 113	5	5.0 U	100 U	25 U	5.0 U	5.0 U	130 U	5.0 U	5.0 U	130 U	130 U	20 U	5.0 U	5.0 U	20 U	5.0 U
2-Hexanone	50	5.0 U	100 U	25 U	5.0 U	5.0 U	130 U	5.0 U	5.0 U	130 U	130 U	20 U	5.0 U	5.0 U	20 UJ	5.0 U
Isopropylbenzene	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Methyl Acetate	-	5.0 U	100 UJ	25 U	5.0 U	5.0 U	130 U	5.0 U	5.0 U	130 U	130 U	20 U	5.0 U	5.0 U	20 U	5.0 U
Methylcyclohexane	-	5.0 U	100 U	25 U	5.0 U	5.0 U	130 U	5.0 U	5.0 U	130 U	130 U	20 U	5.0 U	5.0 U	20 U	5.0 U
Methyl Tert Butyl Ether	10	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
4-Methyl-2-pentanone (MIBK)	-	5.0 U	100 U	25 U	5.0 U	5.0 U	130 U	5.0 U	5.0 U	130 U	130 U	20 U	5.0 U	5.0 U	20 UJ	5.0 U
Methylene chloride	5	2.0 U	40 U	10 U	2.0 U	2.0 U	50 U	2.0 U	2.0 U	50 U	50 U	8 U	2.0 U	2.0 U	8 U	2.0 U
Styrene	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Tetrachloroethene	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Toluene	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.3	1.0 U	4 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	20 U	5.0 U	1.0 U	1.0 U	25 U	1.0 U	1.0 U	25 U	25 U	4 U	1.0 U	1.0 U	4 U	1.0 U
Trichloroethene	5	**188**	**5,730**	**2,160**	1.0 U	**331**	**267**	1.0 U	1.2	25 U	**3,970**	4 U	1.0 U	1.0 U	4 U	1.0 U
Trichlorofluoromethane	5	2.0 U	40 U	10 U	2.0 U	2.0 U	50 U	2.0 U	2.0 U	50 U	50 U	8 U	2.0 U	2.0 U	8 U	2.0 U
Vinyl chloride	2	1.0 U	**22.6**	**6.6**	1 U	**1.5**	**3,540**	**5.5**	1.0 U	**4,340** J	**1,850**	**394**	1.0 U	1.4	**398**	1.0 U
Xylene (total)	5	1.0 U	20 U	5 U	1.0 U	5.0 U	25 U	1 U	1.0 U	25 U	25 U	4 U	1.9	1.0 U	4 U	1.0 U
Total VOCs:		314.85	8,716	4,479	ND	526	12,704	17	1	12,200	15,418	908	3	5	954	ND
Total Site CVOCs:		314.85	8,716	4,479	ND	526	12,704	17	1	12,200	15,418	908	ND	3	954	ND

a/ VOC = volatile organic compound; CVOC = chlorinated volatile organic compound; µg/l = micrograms per liter; U = analyte not detected above Reporting Limit; J = estimated concentration below the laboratory Reporting Limit or equal to or greater than the Method Detection Limit; UJ = not detected above the reported quantitation limit, analyte QC analysis fails outside primary acceptance limits; ND = none detected. Red qualifiers were added during validation process.

b/ Concentrations in bold text exceed evaluation criteria. Evaluation criteria are the New York State Ambient Water Quality Standards or Guidance Values for Class GA groundwater provided in the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1), dated June 1998, and the April 2000 Addendum.

c/ The blind duplicates

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
EW-01-62C	9/11/07	**14**	0.14	**5,800 D**	59.82	**63**	0.65	**5.7**	0.034	**17,000 D**	129.4	**52**	0.832
	9/26/17	3.2 J	0.03	**1,750**	18.05	**16.8**	0.173	5 U	0.03	**1,600**	12.18	5 U	0.08
	7/24/20	10 U	0.1	**1,550**	15.99	**17.8**	0.184	10 U	0.06	**556**	4.232	**55.2**	0.883
	10/7/21	1 U	0.01	**379**	3.909	**8.6**	0.089	1 U	0.006	**49.9**	0.38	**15.5**	0.248
	9/22/22	1 U	0.01	**321**	3.311	3.2	0.033	1 U	0.006	**33.6**	0.256	**31.1**	0.498
	4/20/23	1 U	0.01	**219**	2.259	4.1	0.042	1 U	0.006	**56.5**	0.43	**12.1**	0.194
	9/27/24	3.2 J	0.03	**2,880**	29.71	**34.6**	0.357	5 U	0.03	**212**	1.614	**493**	7.888
EW-02-62C	11/5/03	400 U	4.13	**3,200**	33.01	400 U	4.126	400 U	2.412	**6,700**	51	400 U	6.4
	11/12/04	200 U	2.06	**3,500**	36.1	**54 J**	0.557	200 U	1.206	**5,100**	38.82	**88 J**	1.408
	9/26/17	20 U	0.21	**1,760**	18.15	**24.8**	0.256	20 U	0.121	**2,240**	17.05	20 U	0.32
	7/24/20	10 U	0.1	**2,020**	20.84	**35**	0.361	10 U	0.06	**2,350**	17.89	10 U	0.16
	10/7/21	4 U	0.04	**2,000**	20.63	**301**	3.105	4 U	0.024	**589**	4.483	**25**	0.4
	9/22/22	1 U	0.01	**403**	4.157	3.5	0.036	1 U	0.006	**70.8**	0.539	**24.4**	0.39
	4/20/23	2.9	0.03	**821**	8.468	**7.7**	0.079	1 U	0.006	**960**	7.307	**6.7**	0.107
	9/27/24	20 U	0.21	**2,720**	28.06	**32.7**	0.337	20 U	0.121	**1,480**	11.27	**107**	1.712
EW-03-60C	11/5/03	250 U	2.58	**3,000**	30.94	250 U	2.579	250 U	1.508	**7,200**	54.8	250 U	4
	11/12/04	500 U	5.16	**4,100**	42.29	500 U	5.157	500 U	3.015	**16,000**	121.8	500 U	8
	9/26/17	5 U	0.05	**503**	5.188	**14.5**	0.15	5 U	0.03	**1,800**	13.7	3.3 J	0.053
	7/24/20	10 U	0.1	**4,020**	41.46	**135**	1.392	10 U	0.06	**3,380**	25.73	**14.2**	0.227
	10/7/21	50 U	0.52	**7,480**	77.15	**42.2 J**	0.435	50 U	0.302	**1,300**	9.895	50 U	0.8
	9/22/22	1.6 J	0.02	**1,100**	11.35	**15.1**	0.156	2 U	0.012	**960**	7.307	**36.2**	0.579
	4/20/23	3.3 J	0.03	**767**	7.911	**12.5**	0.129	4 U	0.024	**1,890**	14.39	**17.7**	0.283
	9/27/24	5.4	0.06	**2,820**	29.09	**28.2**	0.291	5 U	0.03	**2,530**	19.26	**24.6**	0.394
EW-04-25B	9/26/17	100 U	1.03	**5,050**	52.09	**106**	1.093	100 U	0.603	**18,700**	142.3	100 U	1.6
	7/24/20	5 U	0.05	**521**	5.374	**7.9**	0.081	5 U	0.03	**761**	5.792	5 U	0.08
	10/7/21	20 U	0.21	**2,970**	30.63	**488**	5.034	20 U	0.121	**3,570**	27.17	20 U	0.32
	9/22/22	4 U	0.04	**772**	7.963	**8.4**	0.087	4 U	0.024	**867**	6.599	4 U	0.064
	4/20/23	2.5 J	0.03	**879**	9.067	**12.4**	0.128	4 U	0.024	**2,390**	18.19	4 U	0.064
	9/27/24	5 J	0.05	**973**	10.04	**7.4**	0.076	5 U	0.03	**2,070**	15.76	**86.9**	1.39
EW-05-25B	9/14/07	3.1	0.03	**2,500 D**	25.79	**8.5**	0.088	**5.6**	0.034	**4,500 D**	34.25	**21**	0.336
	9/25/09	3.2	0.03	**1,300 DJ**	13.41	**24 J**	0.248	1.3	0.008	**1,100 DJ**	8.373	**70 J**	1.12
	9/29/10	3.9	0.04	**1,290**	13.31	**30.7**	0.317	1.2	0.007	**793**	6.036	**231**	3.696
	10/3/11	3.3	0.03	**1,280**	13.2	**16.4**	0.169	1.3	0.008	**1,670**	12.71	**45.1**	0.722
	10/1/12	1 U	0.01	**134**	1.382	1.94	0.02	2.03	0.012	**1,040**	7.916	**5.28**	0.084
	10/18/13	3.1	0.03	**897**	9.252	**8.8**	0.091	3.2	0.019	**1,420**	10.81	**21.7**	0.347
	8/21/14	2.8 J	0.03	**863**	8.901	**14.7**	0.152	1.6	0.01	**761**	5.792	**61.7**	0.987
	8/24/15	3	0.03	**1,110**	11.45	**36.1**	0.372	1	0.006	**1,410**	10.73	**10.2**	0.163
	9/28/16	3.3	0.03	**1,650 J**	17.02	**94.2**	0.972	4.8	0.029	**2,280**	17.35	**11.1**	0.178
	9/26/17	20 U	0.21	**2,730**	28.16	**60.1**	0.62	20 U	0.121	**2,530**	19.26	**12.7 J**	0.203
	8/28/18	1.6	0.02	**897**	9.252	**14.4**	0.149	1 U	0.006	**839**	6.386	**5.8**	0.093
	9/19/19	5 U	0.05	**1,200**	12.38	**14.3**	0.147	5 U	0.03	**1,350**	10.28	**86**	1.376
	7/24/20	5 U	0.05	**1,040**	10.73	**33.3**	0.343	5 U	0.03	**962**	7.322	**8.2**	0.131
	10/7/21	4 U	0.04	**740**	7.633	**25.9**	0.267	4 U	0.024	**225**	1.713	4 U	0.064
	9/22/22	2 U	0.02	**673**	6.942	**5.5**	0.057	2 U	0.012	**386**	2.938	**8.4**	0.134
	4/20/23	**14.5**	0.15	**5,420**	55.91	**53.1**	0.548	5 U	0.03	**4,790**	36.46	**134**	2.144
	9/27/24	25 U	0.26	**3,380**	34.86	**19.1** J	0.197	25 U	0.151	**1,720**	13.09	**60.1**	0.962
EW-06-60C	9/25/09	16 J	0.17	**8,600 DJ**	88.71	**150 J**	1.547	**41 J**	0.247	**47,000 DJ**	357.7	**4.8 J**	0.077
	9/29/10	**9.5**	0.1	**6,400**	66.01	**142**	1.465	**28.1**	0.169	**25,600**	194.9	**5.9**	0.094
	10/3/11	12 J	0.12	**12,400 J**	127.9	**180 J**	1.857	**13.7 J**	0.083	**12,500 J**	95.14	**3.9 J**	0.062
	10/1/12	**10**	0.1	**6,590**	67.97	500 U	5.157	**33.6**	0.203	**28,400**	216.2	**2.42**	0.039
	10/18/13	100 U	1.03	**15,400**	158.8	**55.9 J**	0.577	100 U	0.603	**23,000**	175.1	100 U	1.6
	8/21/14	**14.4 J**	0.15	**4,810**	49.61	**33.3**	0.343	**32.4**	0.195	**15,500**	118	0.8 J	0.013
	8/24/15	100 U	1.03	**5,710**	58.9	100 U	1.031	100 U	0.603	**31,500**	239.8	100 U	1.6
	9/28/16	**14.6**	0.15	**5,950 J**	61.37	**168**	1.733	**27.4**	0.165	**21,000 J**	159.8	**45.1**	0.722
	9/26/17	100 U	1.03	**6,970**	71.89	**76.5 J**	0.789	100 U	0.603	**24,300**	185	100 U	1.6
	9/19/19	10 U	0.1	**4,430**	45.69	**24.1**	0.249	10 U	0.06	**11,500**	87.53	**16.5**	0.264
	7/24/20	10 U	0.1	**1,190**	12.27	**10**	0.103	10 U	0.06	**1,820**	13.85	10 U	0.16
	10/7/21	5 U	0.05	**1,200**	12.38	**7.5**	0.077	5 U	0.03	**101**	0.769	**26.2**	0.419
	9/22/22	2 U	0.02	**880**	9.077	3.7	0.038	2 U	0.012	**142**	1.081	**4**	0.064
	4/20/23	50 U	0.52	**12,100**	124.8	**50.5**	0.521	50 U	0.302	**5,330**	40.57	50 U	0.8
	9/27/24	5 U	0.05	**2,470**	25.48	**26.5**	0.273	5 U	0.03	**553**	4.209	**4.9 J**	0.078
EW-07-25B	9/27/17	4.3 J	0.04	**2,480**	25.58	**29.1**	0.3	5 U	0.03	**44.1**	0.336	**539**	8.624
	7/24/20	20 U	0.21	**3,920**	40.43	**33.8**	0.349	20 U	0.121	**3,500**	26.64	**25.4**	0.406
	10/7/21	10 U	0.1	**2,400**	24.76	**89.4**	0.922	10 U	0.06	**15.3**	0.116	10 U	0.16
	9/22/22	3.6 J	0.04	**2,230**	23	**24.4**	0.252	5 U	0.03	**92.3**	0.703	**97.4**	1.558
	4/20/23	**7.1 J**	0.07	**2,730**	28.16	**21.9**	0.226	10 U	0.06	**114**	0.868	**147**	2.352
	9/27/24	**34.1**	0.35	**18,300**	188.8	**76.9**	0.793	5 U	0.03	**21**	0.16	**1,710**	27.36
EW-08-62C	9/27/17	**12.5 J**	0.13	**5,580**	57.56	**48.9**	0.504	25 U	0.151	**9,870**	75.13	**174**	2.784
	7/24/20	5 U	0.05	**1,270**	13.1	**6.3**	0.065	5 U	0.03	**857**	6.523	5 U	0.08
	10/7/21	10 U	0.1	**3,820**	39.4	**30.5**	0.315	10 U	0.06	**67**	0.51	**13.8**	0.221
	9/22/22	10 U	0.1	**3,080**	31.77	**15.8**	0.163	10 U	0.06	**296**	2.253	**48.5**	0.776
	4/20/23	50 U	0.52	**10,500**	108.3	**66.9**	0.69	50 U	0.302	**2,610**	19.87	**30.8 J**	0.493
	9/27/24	**5.9 J**	0.06	**5,280**	54.46	**33.9**	0.35	10 U	0.06	**1,420**	10.81	**75.3**	1.205

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
EW-9R-72C	7/24/20	12 U	0.12	**3,080**	31.77	**48.6**	0.501	18 U	0.109	**2,070**	15.76	16 U	0.256
	10/7/21	10 U	0.1	**2,610**	26.92	**21.1**	0.218	10 U	0.06	10 U	0.076	**1,140**	18.24
	9/22/22	5 U	0.05	**1,730**	17.84	**5**	0.052	5 U	0.03	**28.2**	0.215	**85.2**	1.363
	4/20/23	20 U	0.21	**3,630**	37.44	**22.1**	0.228	20 U	0.121	**66.4**	0.505	**767**	12.27
	9/27/24	100 U	1.03	**15,800**	163	**97.8 J**	1.009	100 U	0.603	**26,800**	204	**519**	8.304
EW-10-25B	9/27/17	1 U	0.01	**429**	4.425	**6.3**	0.065	1 U	0.006	**248**	1.888	0.64 J	0.01
	7/24/20	1 U	0.01	**236**	2.434	**6.3**	0.065	1 U	0.006	**98.2**	0.747	**2.4**	0.038
	10/7/21	1 U	0.01	**166**	1.712	4.3	0.044	1 U	0.006	**63.2**	0.481	1 U	0.016
	9/22/22	1 U	0.01	**343**	3.538	3.6	0.037	1 U	0.006	**124**	0.944	**4**	0.064
	4/20/23	1 U	0.01	**146**	1.506	2.1	0.022	1 U	0.006	**113**	0.86	0.86 J	0.014
	9/27/24	1 U	0.01	**429**	4.425	3.5	0.036	1 U	0.006	**220**	1.675	**2.9**	0.046
EW-11-43C	7/24/20	20 U	0.21	**3,620**	37.34	**59.3**	0.612	20 U	0.121	**6,420**	48.87	20 U	0.32
	10/7/21	100 U	1.03	**8,430**	86.95	100 U	1.031	100 U	0.603	**13,600**	103.5	100 U	1.6
	9/22/22	**49.9 J**	0.51	**21,900**	225.9	**124**	1.279	50 U	0.302	**26,600**	202.5	**587**	9.392
	4/20/23	**13.4**	0.14	**5,500**	56.73	**131**	1.351	4 U	0.024	**3,940**	29.99	**191**	3.056
	9/27/24	**39.4** J	0.41	**12,800**	132	**70.4**	0.726	50 U	0.302	**21,900**	166.7	50 U	0.8
EW-12-45C	1/14/09	2	0.02	**2,900 D**	29.91	**11**	0.113	**6.1**	0.037	**10,000 D**	76.12	**10**	0.16
	6/9/09	2	0.02	**2,100 D**	21.66	**7.3**	0.075	2.4	0.014	**6,200 D**	47.19	**13**	0.208
	9/23/09	2	0.02	**2,300 D**	23.72	**20**	0.206	**7.2**	0.043	**9,300 J**	70.79	**7.6**	0.122
	12/17/09	3	0.03	**2,870 D**	29.6	**11.7**	0.121	**6.1**	0.037	**7,270 D**	55.34	**16.8 J**	0.269
	4/6/10	1 U	0.01	**2,210 D**	22.8	**21.8**	0.225	4.3	0.026	**5,110 D**	38.89	**14.5**	0.232
	6/29/10	**12.5**	0.13	**5,650**	58.28	**212 J**	2.187	2.2	0.013	**2,560**	19.49	**21**	0.336
	9/29/10	**8.3**	0.09	**4,750**	48.99	**189**	1.949	1 U	0.006	**1,680**	12.79	**30**	0.48
	12/28/10	**6**	0.06	**6,740**	69.52	**32.7**	0.337	4.1	0.025	**7,550**	57.47	**44.7**	0.715
	3/22/11	3.4	0.04	**6,680**	68.9	**22.4**	0.231	3.8	0.023	**8,310**	63.25	**9.2**	0.147
	6/22/11	4.6	0.05	**4,850**	50.03	**39.2**	0.404	3.8	0.023	**5,320**	40.49	**157**	2.512
	10/3/11	2.6 J	0.03	**8,080 J**	83.34	**20.1 J**	0.207	1.9 J	0.011	**6,810 J**	51.83	**81.1 J**	1.298
	12/13/11	1.3	0.01	**7,880**	81.28	**59.6**	0.615	1 U	0.006	**3,670**	27.93	**7.4**	0.118
	3/28/12	4.7	0.05	**5,500**	56.73	**55.2**	0.569	1 U	0.006	**3,470**	26.41	**44.4**	0.71
	6/27/12	4.7 J	0.05	**5,040**	51.99	**45.6 J**	0.47	2.3 J	0.014	**7,020**	53.43	**33.1 J**	0.53
	10/3/12	200 U	2.06	**9,760**	100.7	200 U	2.063	200 U	1.206	**308**	2.344	**807**	12.91
	12/4/12	3	0.03	**2,330**	24.03	**71.6**	0.739	1 U	0.006	**327**	2.489	**2,070**	33.12
	4/4/13	1 U	0.01	**2,140**	22.07	**16.7**	0.172	1.3	0.008	**3,550**	27.02	**9.2**	0.147
	6/3/13	100 U	1.03	**23,300**	240.3	**214**	2.207	100 U	0.603	**14,400**	109.6	**235**	3.76
	10/16/13	**21.6**	0.22	**7,930**	81.79	**188**	1.939	1 U	0.006	**1,130**	8.601	**230**	3.68
	12/4/13	3.3	0.03	**6,730**	69.42	**68.6**	0.708	1 U	0.006	**2,720**	20.7	**90.4**	1.446
	3/24/14	40 U	0.41	**11,700**	120.7	**59**	0.609	40 U	0.241	**6,130**	46.66	**184**	2.944
	6/16/14	20 U	0.21	**5,890**	60.75	**37.5**	0.387	20 U	0.121	**5,270**	40.11	**60.5**	0.968
	8/19/14	20 U	0.21	**7,010**	72.31	**48.8**	0.503	20 U	0.121	**7,150**	54.42	**146**	2.336
	12/4/14	**15.5**	0.16	**12,300**	126.9	**54**	0.557	1 U	0.006	**4,260**	32.43	**209 J**	3.344
	3/11/15	50 U	0.52	**10,000**	103.1	**155**	1.599	50 U	0.302	**3,640**	27.71	**686 J**	10.98
	5/27/15	**18.6 J**	0.19	**11,500**	118.6	**94.1**	0.971	25 U	0.151	**890**	6.774	**844**	13.5
	7/24/20	5 U	0.05	**841**	8.675	5 U	0.052	5 U	0.03	**220**	1.675	5 U	0.08
	10/7/21	3.2 J	0.03	**2,100**	21.66	**6.4**	0.066	5 U	0.03	5 U	0.038	**150**	2.4
	9/22/22	5 U	0.05	**2,030**	20.94	4.7 J	0.048	5 U	0.03	**68.8**	0.524	**44.5**	0.712
	4/20/23	**5.1**	0.05	**3,140**	32.39	**14**	0.144	4 U	0.024	**2,210**	16.82	**133**	2.128
	9/27/24	50 U	0.52	**3,610**	37.24	**50** U	0.516	50 U	0.302	**7,870**	59.9	50 U	0.8
EW-13	12/14/22	1 U	0.01	**23.3**	0.24	1 U	0.01	1 U	0.006	4	0.03	**3.6**	0.058
	9/26/24	1 U	0.01	**87.1**	0.898	1 U	0.01	1 U	0.006	**6.3**	0.048	**7.8**	0.125
EW-14	12/15/22	1 U	0.01	**25.6**	0.264	1 U	0.01	1 U	0.006	**13.6**	0.104	**29.8**	0.477
	9/25/24	1 U	0.01	**25.1**	0.259	1 U	0.01	1 U	0.006	1 U	0.008	1.4	0.022
EXB-07	9/14/07	**5.2**	0.05	**2,700 D**	27.85	**31**	0.32	1 U	0.006	**3,400 D**	25.88	**10**	0.16
	1/14/09	**13**	0.13	**7,500 D**	77.36	**55 DJ**	0.567	1 U	0.006	**230 D**	1.751	**57 DJ**	0.912
	6/9/09	**6.6**	0.07	**3,400 D**	35.07	**37**	0.382	1 U	0.006	**890 D**	6.774	**30**	0.48
	9/22/09	**9.2**	0.09	**5,000 D**	51.57	**78**	0.805	80 U	0.482	**560 D**	4.262	**26**	0.416
	12/17/09	**5.1 J**	0.05	**2,790 D**	28.78	**45.3**	0.467	1 U	0.006	**832 D**	6.333	**15.5 J**	0.248
	4/7/10	3.2	0.03	**2,120 D**	21.87	**31.1**	0.321	1 U	0.006	**1,430 D**	10.88	**11.8**	0.189
	6/29/10	**6.5**	0.07	**2,880**	29.71	**99.2 J**	1.023	1 U	0.006	**1,190**	9.058	**18.4**	0.294
	9/29/10	**7.8**	0.08	**4,760**	49.1	**105**	1.083	1 U	0.006	**360**	2.74	**26**	0.416
	12/28/10	**2.3**	0.02	**1,560**	16.09	**27.4**	0.283	1 U	0.006	**394**	2.999	**3.4**	0.054
	3/22/11	1.1	0.01	**1,080**	11.14	**11.7**	0.121	1 U	0.006	**327**	2.489	1.9	0.03
	6/22/11	2.1	0.02	**1,480**	15.27	**21.7**	0.224	1 U	0.006	**398**	3.029	**5**	0.08
	10/5/11	**7.8 J**	0.08	**3,940 J**	40.64	**65.9 J**	0.68	1 UR	0.006	**1,850 J**	14.08	**21.4 J**	0.342
	12/13/11	**9.0**	0.09	**4,220**	43.53	**115**	1.186	1 U	0.006	**22**	0.167	**38.5**	0.616
	3/27/12	1.2	0.01	**1,040**	10.73	**20**	0.206	1 U	0.006	**388**	2.953	**2.8**	0.045
	6/29/12	2.4	0.02	**1,500**	15.47	**30.1**	0.31	1 U	0.006	**903**	6.873	**5.3**	0.085
	10/2/12	50 U	0.52	**3,080**	31.77	50 U	0.516	50 U	0.302	**1,290**	9.819	50 U	0.8
	12/4/12	2.4	0.02	**1,540**	15.88	**38.1**	0.393	1 U	0.006	**1,020**	7.764	**3.6**	0.058
	4/3/13	5 U	0.05	**766**	7.901	**22.5**	0.232	5 U	0.03	**469**	3.57	5 U	0.08
	6/5/13	2.6	0.03	**1,180**	12.17	**20.7**	0.214	1 U	0.006	**890**	6.774	4	0.064
	10/16/13	**5.4**	0.06	**2,580**	26.61	**41.2**	0.425	1 U	0.006	**1,100**	8.373	**14.5**	0.232
	12/4/13	1 U	0.01	**2,290**	23.62	**32.9**	0.339	1 U	0.006	**89**	0.674	**9.5**	0.152
	3/25/14	1 U	0.01	**202**	2.084	**3.2**	0.033	1 U	0.006	**97**	0.735	0.72 J	0.012
	6/17/14	0.97 J	0.01	**368**	3.796	**8.5**	0.088	1 U	0.006	**45**	0.343	**6.6**	0.106
	8/19/14	10 U	0.1	**1,920**	19.8	**19.5**	0.201	10 U	0.06	**63**	0.483	10 U	0.16
	12/4/14	0.54 J	0.01	**617**	6.364	**17.8**	0.184	1 U	0.006	**4**	0.031	**15.5 J**	0.248
EXB-07	3/11/15	2 U	0.02	**1,080**	11.14	**45.1**	0.465	2 U	0.012	**280**	2.131	**2 J**	0.032

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
	5/27/15	5 U	0.05	**1,100**	11.35	**36.6**	0.378	5 U	0.03	**1,170**	8.905	5 U	0.08
	8/24/15	1.7	0.02	**1,180**	12.17	**19.4**	0.2	1 U	0.006	**774**	5.891	**4.2**	0.067
	12/14/15	2.1	0.02	**1,420**	14.65	**22.3**	0.23	1 U	0.006	**416**	3.166	**3.4**	0.054
	4/13/16	5 U	0.05	**1,040**	10.73	**17.4**	0.179	5 U	0.03	**547**	4.163	**4.5 J**	0.072
	7/7/16	10 U	0.1	**1,040**	10.73	**18.1**	0.187	10 U	0.06	**482**	3.669	**11**	0.176
	9/27/16	5 U	0.05	**1,410 J**	14.54	**28.3**	0.292	5 U	0.03	**582**	4.43	**6.3**	0.101
	11/16/16	10 U	0.1	**1,930**	19.91	**33**	0.34	10 U	0.06	**735**	5.594	**11**	0.176
	3/28/17	5 U	0.05	**980**	10.11	**17.3**	0.178	5 U	0.03	**574**	4.369	**5.9**	0.094
	6/13/17	2 U	0.02	**985**	10.16	**25.8**	0.266	2 U	0.012	**486**	3.699	1.3 J	0.021
	9/26/17	3.1 J	0.03	**1,700**	17.53	**31.2**	0.322	5 U	0.03	**748 J**	5.693	**3.4 J**	0.054
	12/20/17	1.7	0.02	**1,240**	12.79	**23**	0.237	1 U	0.006	**513 J**	3.905	1	0.016
	3/21/18	5 U	0.05	**869**	8.963	**16.5**	0.17	5 U	0.03	**426**	3.243	5 U	0.08
	5/10/18	2.5 U	0.03	**908**	9.366	**12.6**	0.13	2.5 U	0.015	**430**	3.273	2.5 U	0.04
	3/21/18	5 U	0.05	**869**	8.963	**16.5**	0.17	5 U	0.03	**426**	3.243	5 U	0.08
	5/10/18	2.5 U	0.03	**908**	9.366	**12.6**	0.13	2.5 U	0.015	**430**	3.273	2.5 U	0.04
	8/28/18	3.8 J	0.04	**2,430**	25.06	**30.5**	0.315	5 U	0.03	**46**	0.352	**6.5**	0.104
	12/11/18	2.5 U	0.03	**1,200**	12.38	**29.9**	0.308	2.5 U	0.015	**355**	2.702	2.5 U	0.04
	3/7/19	5 U	0.05	**832**	8.582	**11.9**	0.123	5 U	0.03	**373**	2.839	5 U	0.08
	6/18/19	0.82 J	0.01	**636**	6.56	**11.7**	0.121	1 U	0.006	**334**	2.542	**2.5**	0.04
	9/18/19	0.73 J	0.01	**896**	9.242	**13.2**	0.136	1 U	0.006	**369**	2.809	1.1	0.018
	12/9/19	5 U	0.05	**962**	9.923	**16.1**	0.166	5 U	0.03	**347**	2.641	5 U	0.08
	3/23/20	2 U	0.02	**936**	9.654	**18.1**	0.187	2 U	0.012	**366**	2.786	2 U	0.032
	5/20/20	5 U	0.05	**1,080**	11.14	**25.7**	0.265	5 U	0.03	**726**	5.526	5 U	0.08
	8/13/20	5 U	0.05	**1,160**	11.96	**52.8**	0.545	5 U	0.03	**426**	3.243	**4.3 J**	0.069
	12/14/20	5 U	0.05	**1,140**	11.76	**27.5**	0.284	5 U	0.03	**402**	3.06	5 U	0.08
	3/23/21	5 U	0.05	**1,110**	11.45	**22.1**	0.228	5 U	0.03	**486**	3.699	5 U	0.08
	6/22/21	10 U	0.1	**1,210**	12.48	**32.1**	0.331	10 U	0.06	**365**	2.778	10 U	0.16
	9/21/21	3.6 J	0.04	**1,700 J**	17.53	**61.2 J**	0.631	5 UJ	0.03	**349 J**	2.656	**4.3 J**	0.069
	12/15/21	10 U	0.1	**2,000**	20.63	**27.4**	0.283	10 U	0.06	**9 J**	0.066	**58.4**	0.934
	3/23/22	10 U	0.1	**1,310**	13.51	**21.1**	0.218	10 U	0.06	**393**	2.991	10 U	0.16
	6/15/22	5 U	0.05	**1,180**	12.17	**21.2**	0.219	5 U	0.03	**320**	2.436	**10.2**	0.163
	12/15/22	1.7	0.02	**1,550**	15.99	**13.8**	0.142		0	**60.1**	0.457	**13.4**	0.214
	4/18/23	5 U	0.05	**1,050**	10.83	**16.2**	0.167	5 U	0.03	**280**	2.131	5 U	0.08
	9/24/24	5 U	0.05	**1,260**	13	**18.6**	0.192	5 U	0.03	**201**	1.53	**9.5**	0.152
EXB-09	6/10/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	0.46 J	0.004	1 U	0.016
	9/22/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/17/09	1 U	0.01	3	0.031	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/6/10	1 U	0.01	**12.5**	0.129	1 U	0.01	1 U	0.006	1.2	0.009	1 U	0.016
	6/29/10	1 U	0.01	**5.4**	0.056	1 UJ	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/28/10	1 U	0.01	4.1	0.042	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/28/10	1 U	0.01	2.6	0.027	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/11	1 U	0.01	**5.5**	0.057	1 U	0.01	1 U	0.006	1.6	0.012	1 U	0.016
	6/22/11	1 U	0.01	1.2	0.012	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/5/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/14/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/27/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/28/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/3/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/4/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/2/13	1 U	0.01	1 U	0.01	1 U	0.01	2.7	0.016	1 U	0.008	1 U	0.016
	6/3/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/16/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/5/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/25/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/17/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/19/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/3/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 UJ	0.016
	3/10/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 UJ	0.016
	5/28/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/24/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/12/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 UJ	0.016
	7/7/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/27/16	1 U	0.01	1 UJ	0.01	1 U	0.01	0.53 U	0.003	1 U	0.008	1 U	0.016
	11/16/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/28/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/13/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/26/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/19/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/21/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 UJ	0.016
	5/9/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/28/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/11/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/7/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/17/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/17/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/12/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/16/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	5/19/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/13/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/14/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
EXB-09	3/25/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/22/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/21/21	1 UJ	0.01	1 UJ	0.01	1 UJ	0.01	1 UJ	0.006	1 UJ	0.008	1 UJ	0.016
	12/14/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/15/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/19/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/15/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/17/23	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/19/23	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/17/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/24/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
EXB-10	1/14/09	1 U	0.01	**36**	0.371	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/23/09	1 U	0.01	**32**	0.33	1 U	0.01	1 U	0.006	0.78 J	0.006	**2.9**	0.046
	12/17/09	1 U	0.01	**31.7**	0.327	1 U	0.01	1 U	0.006	1 U	0.008	**4.6**	0.074
	4/6/10	1 U	0.01	**13.7**	0.141	1 U	0.01	1 U	0.006	1.6	0.012	1.8	0.029
	6/29/10	1 U	0.01	**97.7**	1.008	1 UJ	0.01	1 U	0.006	1 U	0.008	1.2	0.019
	9/28/10	1 U	0.01	**16.7**	0.172	1 U	0.01	1 U	0.006	1 U	0.008	**5.9**	0.094
	12/28/10	1 U	0.01	**37.9**	0.391	1 U	0.01	1 U	0.006	1 U	0.008	1.3	0.021
	3/22/11	1 U	0.01	**55.4**	0.571	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/22/11	1 U	0.01	**8.7**	0.09	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/5/11	1 U	0.01	4.4	0.045	1 U	0.01	1 U	0.006	1 U	0.008	**2**	0.032
	12/14/11	1 U	0.01	**7.5**	0.077	1 U	0.01	1 U	0.006	1 U	0.008	**2.7**	0.043
	3/28/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/28/12	1 U	0.01	4.4	0.045	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/2/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/4/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/3/13	1 U	0.01	1.5	0.015	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/3/13	1 U	0.01	3.3	0.034	1 U	0.01	1 U	0.006	1 U	0.008	**2.3**	0.037
	10/16/13	1 U	0.01	2.8	0.029	1 U	0.01	1 U	0.006	1 U	0.008	**2.1**	0.034
	12/5/13	1 U	0.01	2.6	0.027	1 U	0.01	1 U	0.006	0.51 J	0.004	1.2	0.019
	3/25/14	1 U	0.01	3	0.031	1 U	0.01	1 U	0.006	1 U	0.008	1.2	0.019
	6/18/14	1 U	0.01	2.4	0.025	1 U	0.01	1 U	0.006	1 U	0.008	1.6	0.026
	8/19/14	1 U	0.01	2.2	0.023	1 U	0.01	1 U	0.006	1 U	0.008	**2.4**	0.038
	12/3/14	1 U	0.01	1.2	0.012	1 U	0.01	1 U	0.006	0.51 J	0.004	1 UJ	0.016
	3/11/15	1 U	0.01	3.1	0.032	1 U	0.01	1 U	0.006	0.51 J	0.004	2.8 J	0.045
	5/27/15	1 U	0.01	1.8	0.019	1 U	0.01	1 U	0.006	1 U	0.008	1.2	0.019
	8/24/15	1 U	0.01	1.4	0.014	1 U	0.01	1 U	0.006	1 U	0.008	1.1	0.018
	12/14/15	1 U	0.01	2.1	0.022	1 U	0.01	1 U	0.006	1 U	0.008	1.2	0.019
	4/12/16	1 U	0.01	1.7	0.018	1 U	0.01	1 U	0.006	1 U	0.008	1.6	0.026
	7/6/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/27/16	1 U	0.01	1.6 J	0.017	1 U	0.01	1 U	0.006	1 U	0.008	1.3	0.021
	11/15/16	1 U	0.01	1.3	0.013	1 U	0.01	1 UJ	0.006	1 U	0.008	1 UJ	0.016
	3/29/17	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1 U	0.008	0.54 J	0.009
	6/13/17	1 U	0.01	1.8	0.019	1 U	0.01	1 U	0.006	1 U	0.008	1.8	0.029
	9/26/17	1 U	0.01	2.1	0.022	1 U	0.01	1 U	0.006	1 U	0.008	6.2	0.099
	12/19/17	1 U	0.01	1.6	0.017	1 U	0.01	1 U	0.006	1 U	0.008	0.97 J	0.016
	3/21/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	5/9/18	1 U	0.01	1.7	0.018	1 U	0.01	1 U	0.006	1 U	0.008	0.71 J	0.011
	8/28/18	1 U	0.01	1.7	0.018	1 U	0.01	1 U	0.006	1 U	0.008	1.3	0.021
	12/11/18	1 U	0.01	1.4	0.014	1 U	0.01	1 U	0.006	1 U	0.008	1.3	0.021
	3/6/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/18/19	1 U	0.01	0.64 J	0.007	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/19/19	1 U	0.01	1	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1.7	0.027
	12/12/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/23/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	5/19/20	1 UJ	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1 U	0.008	1.4	0.022
	8/13/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/15/20	1 U	0.01	0.52 J	0.005	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/25/21	1 U	0.01	0.52 J	0.005	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/22/21	1 U	0.01	2.2	0.023	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/21/21	1 UJ	0.01	0.62 J	0.006	1 UJ	0.01	1 UJ	0.006	1 UJ	0.008	1 UJ	0.016
	12/15/21	1 U	0.01	0.77 J	0.008	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/22	1 U	0.01	0.96 J	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1	0.016
	6/15/22	1 U	0.01	0.95 J	0.01	1 U	0.01	1 U	0.006	1 U	0.008	0.91 J	0.015
	9/20/22	1 U	0.01	2.8	0.029	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/15/22	1 U	0.01	1.8	0.019	1 U	0.01	1 U	0.006	1 U	0.008	0.97 J	0.016
	4/17/23	1 U	0.01	1.6	0.017	1 U	0.01	1 U	0.006	1 U	0.008	1	0.016
	9/20/23	1 U	0.01	4.8	0.05	1 U	0.01	1 U	0.006	1 U	0.008	**2.9**	0.046
	4/17/24	1 U	0.01	1.6	0.017	1 U	0.01	1 U	0.006	1 U	0.008	1.4	0.022
	9/25/24	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
MW-1B	12/16/05	1 U	0.01	**52**	0.536	1.5	0.015	4 U	0.024	**170 E**	1.294	1 U	0.016
	4/1/09	1 U	0.01	1 J	0.01	1 U	0.01	1 U	0.006	1.8	0.014	1 U	0.016
	6/8/09	1 U	0.01	0.87 J	0.009	1 U	0.01	1 U	0.006	1.6	0.012	1 U	0.016
	9/22/09	1 U	0.01	0.79 J	0.008	1 U	0.01	1 U	0.006	1.9	0.014	1 U	0.016
	12/18/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1.8	0.014	1 U	0.016
	4/6/10	1 U	0.01	4.5	0.046	1 U	0.01	1 U	0.006	**9.9**	0.075	1 U	0.016
	6/29/10	1 U	0.01	1.4	0.014	1 UJ	0.01	1 U	0.006	1.7	0.013	1 U	0.016
	9/29/10	1 U	0.01	2.2	0.023	1 U	0.01	1 U	0.006	3.6	0.027	1 U	0.016
	12/29/10	1 U	0.01	1.9	0.02	1 U	0.01	1 U	0.006	2.5	0.019	1 U	0.016
	3/25/11	1 U	0.01	4.1	0.042	1 U	0.01	1 U	0.006	4.6	0.035	1 U	0.016
	6/22/11	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1.6	0.012	1 U	0.016
	10/4/11	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1	0.008	1 U	0.016
	12/14/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/27/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/29/12	1 U	0.01	4.3	0.044	1 U	0.01	1 U	0.006	**6.7**	0.051	1 U	0.016
	10/3/12	1 U	0.01	2.01	0.021	1 U	0.01	1 U	0.006	2.76	0.021	1 U	0.016
	12/5/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1.1	0.008	1 U	0.016
	4/2/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/5/13	1 U	0.01	**20.3**	0.209	1 U	0.01	1 U	0.006	**28.9**	0.22	1 U	0.016
	10/18/13	1 U	0.01	0.67 J	0.007	1 U	0.01	1 U	0.006	1.5	0.011	1 U	0.016
	12/5/13	1 U	0.01	1.2	0.012	1 U	0.01	1 U	0.006	1.3	0.01	1 U	0.016
	3/27/14	1 U	0.01	0.83 J	0.009	1 U	0.01	1 U	0.006	1.1	0.008	1 U	0.016
	6/17/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	0.58 J	0.004	1 U	0.016
	8/20/14	1 U	0.01	1	0.01	1 U	0.01	1 U	0.006	1.6	0.012	1 U	0.016
	12/4/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	0.95 J	0.007	1 U	0.016
	3/12/15	1 U	0.01	1.6	0.017	1 U	0.01	1 U	0.006	1.1	0.008	1 U	0.016
	5/28/15	1 U	0.01	2.1	0.022	1 U	0.01	1 U	0.006	4.7	0.036	1 U	0.016
	8/24/15	0.84 J	0.01	**253**	2.61	1.9	0.02	1 U	0.006	**484**	3.684	**6.2**	0.099
	12/14/15	0.84 J	0.01	**200**	2.063	1.7	0.018	1 U	0.006	**321**	2.443	**2.5**	0.04
	4/12/16	1 U	0.01	0.7 J	0.007	1 U	0.01	1 U	0.006	1	0.008	1 U	0.016
	7/6/16	1.4 J	0.01	**665**	6.859	**6.2**	0.064	2 U	0.012	**1,210**	9.21	**13.8**	0.221
	9/28/16	3.5	0.04	**965 J**	9.954	**16.3**	0.168	1.1 U	0.007	**1,400**	10.66	**34.6**	0.554
	11/15/16	10 U	0.1	**404**	4.167	4.4 J	0.045	10 UJ	0.06	**462**	3.517	**5.1 J**	0.082
	3/28/17	1 U	0.01	**17.9**	0.185	1 U	0.01	1 U	0.006	**29.7**	0.226	1 U	0.016
	6/14/17	2.5 U	0.03	**416**	4.291	**8.4**	0.087	2.5 U	0.015	**769**	5.853	**7.2**	0.115
	9/26/17	10 U	0.1	**663**	6.839	**7.9 J**	0.081	10 U	0.06	**1,120**	8.525	**7.8 J**	0.125
	12/18/17	1.2	0.01	**434**	4.477	**5.4**	0.056	1 U	0.006	**699**	5.32	**9**	0.144
	3/21/18	1 U	0.01	0.78 J	0.008	1 U	0.01	1 U	0.006	0.9 J	0.007	1 U	0.016
	5/8/18	1 U	0.01	4.1	0.042	1 U	0.01	1 U	0.006	**8.5**	0.065	1 U	0.016
	8/29/18	1 U	0.01	7	0.072	1 U	0.01	1 U	0.006	**14**	0.107	1 U	0.016
	12/12/18	1 U	0.01	**72**	0.743	0.77 J	0.008	1 U	0.006	**115**	0.875	1 U	0.016
	3/5/19	1 U	0.01	**78.5 UJ**	0.81	0.72 J	0.007	1 U	0.006	**154 J**	1.172	1 U	0.016
	6/18/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	**0.67 J**	0.005	1 U	0.016
	9/18/19	1 U	0.01	**10.4**	0.107	1 U	0.01	1 U	0.006	**15.7**	0.12	1 U	0.016
	12/12/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	0.57 J	0.004	1 U	0.016
	3/18/20	1 U	0.01	1.3	0.013	1 U	0.01	1 U	0.006	1.7	0.013	1 U	0.016
	5/15/20	1 UJ	0.01	4.4	0.045	1 U	0.01	1 U	0.006	**6.5**	0.049	1 U	0.016
	8/12/20	1 U	0.01	**25.1**	0.259	1 U	0.01	1 U	0.006	**60**	0.457	1 U	0.016
	12/18/20	1 U	0.01	0.76 J	0.008	1 U	0.01	1 U	0.006	0.56 J	0.004	1 U	0.016
	3/24/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/23/21	1 U	0.01	4.1	0.042	1 U	0.01	1 U	0.006	**7.3**	0.056	1 U	0.016
	9/22/21	1 UJ	0.01	31.1 J	0.321	1 UJ	0.01	1 UJ	0.006	**57.7 J**	0.439	1 U	0.016
	12/16/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1.1	0.008	1 U	0.016
	3/22/22	1 U	0.01	0.96 J	0.01	1 U	0.01	1 U	0.006	1.5	0.011	1 U	0.016
	6/15/22	1 U	0.01	9.5	0.098	1 U	0.01	1 U	0.006	**15.4**	0.117	1 U	0.016
	9/22/22	1 U	0.01	1.7	0.018	1 U	0.01	1 U	0.006	2.5	0.019	1 U	0.016
	4/19/23	1 U	0.01	**15.6**	0.161	1 U	0.01	1 U	0.006	**26.2**	0.199	1 U	0.016
	9/20/23	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/17/24	1 U	0.01	**126**	1.3	0.85 J	0.009	1 U	0.006	**188**	1.431	1 U	0.016
	9/25/24	1.3	0.01	**481**	4.961	2.8	0.029	1 U	0.006	**564**	4.293	**8**	0.128
MW-2B	11/5/03	2,500 U	25.8	**11,000**	113.5	2,500 U	25.79	2,500 U	15.08	**43,000**	327.3	2,500 U	40
	12/15/05	**27**	0.28	**14,000 D**	144.4	**150 E**	1.547	**48**	0.289	**64,000 D**	487.1	**100 E**	1.6
	4/1/09	**8.8**	0.09	**5,600 D**	57.76	**65**	0.67	**30**	0.181	**20,000 D**	152.2	**40**	0.64
	9/22/09	200 U	2.06	**6,400 D**	66.01	200 U	2.063	200 U	1.206	**21,000 D**	159.8	**82 D**	1.312
	4/6/10	**14**	0.14	**5,510 D**	56.83	**63.8**	0.658	**28.2**	0.17	**19,500 D**	148.4	**133**	2.128
	10/5/10	**19.7**	0.2	**7,560**	77.98	**122**	1.258	**30.8**	0.186	**18,100**	137.8	**50.1**	0.802
	3/24/11	**5.7**	0.06	**5,010**	51.68	**19.9**	0.205	**14.6**	0.088	**12,200**	92.86	**21.6**	0.346
	10/4/11	**28.7 J**	0.3	**9,500 J**	97.99	**63.8 J**	0.658	**32.4 J**	0.195	**23,200 J**	176.6	**199 J**	3.184
	3/27/12	**9.9**	0.1	**3,650**	37.65	**57.5**	0.593	**13.3**	0.08	**7,010**	53.36	**24.1**	0.386
	10/1/12	200 U	2.06	**5,900**	60.86	200 U	2.063	200 U	1.206	**13,800**	105	200 U	3.2
	4/3/13	**10.9**	0.11	**6,420**	66.22	**30.9**	0.319	**6**	0.036	**9,730**	74.06	**39.8**	0.637
	10/18/13	**19.1 J**	0.2	**9,420**	97.16	**65.8**	0.679	**14.1 J**	0.085	**19,800**	150.7	**118**	1.888
	3/27/14	40 U	0.41	**6,230**	64.26	**24.2 J**	0.25	40 U	0.241	**13,800**	105	**52.7**	0.843
	8/20/14	**15.8 J**	0.16	**5,780**	59.62	**48.7**	0.502	**12.4**	0.075	**11,700 J**	89.05	**115 J**	1.84
	3/12/15	**13.4**	0.14	**6,000**	61.89	**38.1**	0.393	**19.4**	0.117	**11,600**	88.29	**19.6**	0.314
	8/24/15	**15.9**	0.16	**6,820**	70.35	**37.5**	0.387	**16.3**	0.098	**15,700**	119.5	**69.2**	1.107
	4/12/16	50 U	0.52	**5,960**	61.47	**26.6 J**	0.274	50 U	0.302	**13,300**	101.2	**52**	0.832
	9/27/16	50 U	0.52	**6,050 J**	62.4	**32.2 J**	0.332	50 U	0.302	**9,730**	74.06	50 U	0.8
	3/28/17	50 U	0.52	**6,980**	72	**29.5 J**	0.304	**12.8 J**	0.077	**16,900**	128.6	50 U	0.8
	9/27/17	100 U	1.03	**5,970**	61.58	**58.8 J**	0.606	100 U	0.603	**15,100**	114.9	100 U	1.6
	3/21/18	50 U	0.52	**4,770**	49.2	**28.1 J**	0.29	50 U	0.302	**12,400**	94.38	50 U	0.8
MW-2B	8/29/18	20 U	0.21	**4,580**	47.24	**32.3**	0.333	20 U	0.121	**9,400**	71.55	**48.3**	0.773

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
	3/5/19	20 U	0.21	**3,830**	39.5	**23**	0.237	20 U	0.121	**7,600**	57.85	20 U	0.32
	9/19/19	20 U	0.21	**3,680**	37.96	**20.8**	0.215	20 U	0.121	**7,100**	54.04	**76.8**	1.229
	3/18/20	**10.4**	0.11	**3,460**	35.69	**40.2**	0.415	**9.1**	0.055	**8,760**	66.68	**14.4**	0.23
	8/12/20	**13.8 J**	0.14	**6,260**	64.57	**27.8**	0.287	20 U	0.121	**1,700**	12.94	**149**	2.384
	3/24/21	20 U	0.21	**5,340**	55.08	**19.6 J**	0.202	20 U	0.121	**12,100**	92.1	**17 J**	0.272
	9/22/21	**12.3 J**	0.13	**5,190 J**	53.53	**34 J**	0.351	10 U	0.06	**8,740 J**	66.52	**142 J**	2.272
	3/22/22	50 U	0.52	**5,720**	59	**31.8 J**	0.328	50 U	0.302	**7,600**	57.85	**67.9**	1.086
	9/22/22	50 U	0.52	**5,720**	59	**31.8**	0.328	50 U	0.302	**7,600**	57.85	**67.9**	1.086
	4/19/23	50 U	0.52	**4,980**	51.37	50 U	0.516	50 U	0.302	**8,160**	62.11	**46.4 J**	0.742
	9/20/23	50 U	0.52	**5,990**	61.78	**28.5 J**	0.294	50 U	0.302	**9,870**	75.13	**138**	2.208
	4/17/24	20 U	0.21	**2,950**	30.43	**12.9 J**	0.133	20 U	0.121	**5,730**	43.61	**23**	0.362
	9/25/24	20 U	0.21	**5,730**	59.1	**28.9**	0.298	20 U	0.121	**5,690**	43.31	**88.1**	1.41
MW-3B	11/5/03	250 U	2.58	**9,800**	101.1	**53 J**	0.547	250 U	1.508	**3,700**	28.16	**600**	9.6
	12/15/05	**7.6**	0.08	**3,200 D**	33.01	**33**	0.34	**9.2**	0.055	**4,200 D**	31.97	**350 E**	5.6
	4/3/09	4.4	0.05	**1,900 D**	19.6	**35**	0.361	1.3	0.008	**1,300 D**	9.895	**210 D**	3.36
	9/22/09	20 U	0.21	**1,400 D**	14.44	**15 J**	0.155	20 U	0.121	**310 D**	2.36	**97 D**	1.552
	4/6/10	4	0.04	**1,190 D**	12.27	**17**	0.175	1.5	0.009	**1,500 D**	11.42	**181**	2.896
	10/5/10	3.3	0.03	**1,430**	14.75	**25.1**	0.259	1 U	0.006	**752**	5.724	**143**	2.288
	3/25/11	1 U	0.01	**749**	7.726	**10.6**	0.109	1 U	0.006	**77.2**	0.588	**146**	2.336
	10/4/11	**11.5 J**	0.12	**2,450 J**	25.27	**55.5 J**	0.572	1 U	0.006	**1,900 J**	14.46	**321 J**	5.136
	3/27/12	4.3	0.04	**994**	10.25	**30.7**	0.317	1 U	0.006	**456**	3.471	**200**	3.2
	10/1/12	20 U	0.21	**1,150**	11.86	**21.1**	0.218	20 U	0.121	**960 J**	7.307	**175**	2.8
	4/2/13	3	0.03	**337**	3.476	**9.2**	0.095	1 U	0.006	**180**	1.37	**93.2**	1.491
	10/18/13	2.2	0.02	**577**	5.952	**10.5**	0.108	1 U	0.006	**444**	3.38	**250**	4
	3/27/14	2 U	0.02	**377**	3.889	**8.6**	0.089	2 U	0.012	**69**	0.525	**83.5**	1.336
	8/19/14	1 J	0.01	**558**	5.756	**13.8**	0.142	1 U	0.006	**101**	0.769	**176 J**	2.816
	3/11/15	2.4	0.02	**723**	7.457	**16.9**	0.174	1 U	0.006	**222**	1.69	**199 J**	3.184
	8/24/15	1.8	0.02	**512**	5.281	**16.8**	0.173	1 U	0.006	**97.2**	0.74	**247**	3.952
	4/12/16	2 U	0.02	**651**	6.715	**13.5**	0.139	2 U	0.012	**27.9**	0.212	**183**	2.928
	9/28/16	4 U	0.04	**957 J**	9.871	**18.4**	0.19	4 U	0.024	**849 J**	6.462	**21.8**	0.349
	3/28/17	0.85 J	0.01	**335**	3.455	**7.1**	0.073	1 U	0.006	**90.8**	0.691	**80.9**	1.294
	9/27/17	1.8	0.02	**766**	7.901	**12.9**	0.133	1 U	0.006	**319**	2.428	**153**	2.448
	3/21/18	0.81 J	0.01	**315**	3.249	**6**	0.062	1 U	0.006	**87.7**	0.668	**58.8**	0.941
	8/29/18	0.96 J	0.01	**339**	3.497	4.8	0.05	1 U	0.006	**175**	1.332	**91.9**	1.47
	3/5/19	1.2	0.01	**354**	3.651	**6.8**	0.07	1 U	0.006	**37.2**	0.283	**119**	1.904
	9/18/19	10 U	0.1	**2,550**	26.3	**33.8**	0.349	10 U	0.06	**1,690**	12.86	**213**	3.408
	3/18/20	3.8 J	0.04	**1,830**	18.88	**18.9**	0.195	5 U	0.03	**1,850**	14.08	**16.3**	0.261
	8/12/20	20 U	0.21	**4,160**	42.91	**34**	0.351	20 U	0.121	**3,750**	28.54	**192**	3.072
	3/24/21	10 U	0.1	**1,080**	11.14	**12.8**	0.132	10 U	0.06	**1,400**	10.66	10 U	0.16
	9/22/21	**10.3 J**	0.11	**4,160 J**	42.91	**40.5 J**	0.418	10 UJ	0.06	**5,020 J**	38.21	**58.2 J**	0.931
	12/16/21	10 U	0.1	**1,360**	14.03	**13.9**	0.143	10 U	0.06	**1,770**	13.47	**14.8**	0.237
	3/22/22	3.4	0.04	**1,120**	11.55	**10.9**	0.112	2 U	0.012	**1,100**	8.373	**4.3**	0.069
	6/16/22	10 U	0.1	**2,000**	20.63	**22.7**	0.234	10 U	0.06	**1,890**	14.39	**35.9**	0.574
	9/22/22	**16.8**	0.17	**7,150**	73.75	**149**	1.537	1.6	0.01	**4,730**	36	**110**	1.76
	12/14/22	**8.3**	0.09	**4,990**	51.47	**27.1**	0.28		0	**1,170**	8.905	**133**	2.128
	4/20/23	**12**	0.12	**5,100**	52.6	**36.2**	0.373	10 U	0.06	**4,650**	35.39	**119**	1.904
	9/21/23	**16.1 J**	0.17	**10,400**	107.3	**62.3**	0.643	25 U	0.151	**4,650**	35.39	**202**	3.232
	4/17/24	**5.1**	0.05	**2,290**	23.62	**17.5**	0.181	5 U	0.03	**2,160**	16.44	**6.6**	0.106
	9/25/24	**15.4 J**	0.16	**8,070**	83.24	**56.4**	0.582	20 U	0.121	**5,640**	42.93	**119**	1.904
MW-4B	12/15/05	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1 U	0.008	**2.6**	0.042
	4/1/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	0.22 J	0.002	1 U	0.016
	6/8/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/24/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1.2	0.019
	12/18/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**4.5**	0.072
	4/7/10	1 U	0.01	2.2	0.023	1 U	0.01	1 U	0.006	1.4	0.011	1 U	0.016
	6/30/10	1 U	0.01	1 U	0.01	1 UJ	0.01	1 U	0.006	1 U	0.008	1.6	0.026
	9/29/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**4.1**	0.066
	12/29/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**2.1**	0.034
	3/24/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/22/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/4/11	1 U	0.01	1.6 J	0.017	1 U	0.01	1 U	0.006	1.6 J	0.012	**8.3 J**	0.133
	12/14/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1.9	0.03
	3/27/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/29/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**2.3**	0.037
	10/3/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**6.16**	0.099
	12/5/12	1 U	0.01	1.4	0.014	1 U	0.01	1 U	0.006	1 U	0.008	**15.6**	0.25
	4/3/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**4.2**	0.067
	6/5/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1.3	0.021
	10/18/13	1 U	0.01	1.3	0.013	1 U	0.01	1 U	0.006	1 U	0.008	**15.6**	0.25
	12/5/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**2.5**	0.04
	3/27/14	1 U	0.01	0.62 J	0.006	1 U	0.01	1 U	0.006	1 U	0.008	**6.6**	0.106
	6/17/14	1 U	0.01	0.95 J	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**25**	0.4
	8/19/14	1 U	0.01	0.89 J	0.009	1 U	0.01	1 U	0.006	1 U	0.008	**9.7**	0.155
	12/4/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**2.4 J**	0.038
	3/12/15	1 U	0.01	0.95 J	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**9.3**	0.149
	5/28/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**2.7**	0.043
	8/24/15	1 U	0.01	0.38 J	0.004	1 U	0.01	1 U	0.006	1 U	0.008	**3.9**	0.062
	12/14/15	1 U	0.01	0.57 J	0.006	1 U	0.01	1 U	0.006	1 U	0.008	**4.1**	0.066
	4/12/16	1 U	0.01	0.6 J	0.006	1 U	0.01	1 U	0.006	1 U	0.008	**9.2**	0.147
MW-4B	7/6/16	1 U	0.01	0.53 J	0.005	1 U	0.01	1 U	0.006	1 U	0.008	**4.5 J**	0.072
	9/28/16	1 U	0.01	0.91 J	0.009	1 U	0.01	1 U	0.006	1 U	0.008	**7.9**	0.126

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
	11/15/16	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1 U	0.008	**11.3 J**	0.181
	3/28/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**2**	0.032
	6/12/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**3**	0.048
	9/27/17	1 U	0.01	0.54 J	0.006	1 U	0.01	1 U	0.006	1 U	0.008	**4.8**	0.077
	12/18/17	1 U	0.01	0.54 J	0.006	1 U	0.01	1 U	0.006	1 U	0.008	**4.4**	0.07
	3/20/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**4.4**	0.07
	5/9/18	1 U	0.01	0.69 J	0.007	1 U	0.01	1 U	0.006	1 U	0.008	**5.1**	0.082
	8/28/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**2.2**	0.035
	12/12/18	1 U	0.01	0.56 J	0.006	1 U	0.01	1 U	0.006	1 U	0.008	**8**	0.128
	3/6/19	1 U	0.01	0.76 J	0.008	1 U	0.01	1 U	0.006	1 U	0.008	**9.7**	0.155
	6/18/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1.8	0.029
	9/19/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**2.1**	0.034
	12/12/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**2.7**	0.043
	3/19/20	1 U	0.01	2.1	0.022	1 U	0.01	1 U	0.006	1 U	0.008	**25.1**	0.402
	5/14/20	1 UJ	0.01	1.4	0.014	1 U	0.01	1 U	0.006	1 U	0.008	**14.6**	0.234
	8/12/20	1 U	0.01	1.2	0.012	1 U	0.01	1 U	0.006	1 U	0.008	**14.9**	0.238
	12/18/20	1 U	0.01	0.84 J	0.009	1 U	0.01	1 U	0.006	1 U	0.008	**10.2**	0.163
	3/24/21	1 U	0.01	1.2	0.012	1 U	0.01	1 U	0.006	1 U	0.008	**14.7**	0.235
	6/23/21	1 U	0.01	0.88 J	0.009	1 U	0.01	1 U	0.006	1 U	0.008	**9.6**	0.154
	9/22/21	1 UJ	0.01	1 UJ	0.01	1 UJ	0.01	1 UJ	0.006	1 UJ	0.008	**6.3 J**	0.101
	12/15/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1.4	0.022
	3/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**5.3**	0.085
	6/15/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**4.8**	0.077
	9/21/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1.4	0.022
	12/14/22	1 U	0.01	0.95 J	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**10.5**	0.168
	4/20/23	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	0.63 J	0.01
	9/20/23	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**4.1**	0.066
	4/17/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/25/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	0.84 J	0.013
MW-5B	11/5/03	600 U	6.19	**32,000 E**	330.1	**320 J**	3.301	600 U	3.618	**25,000 E**	190.3	**2,000**	32
	12/15/05	**82**	0.85	**40,000 D**	412.6	**380 E**	3.92	**74**	0.446	**47,000 D**	357.7	**1,200 E**	19.2
	1/14/09	**43**	0.44	**19,000 D**	196	**800 D**	8.252	**89**	0.537	**52,000 D**	395.8	**700 DJ**	11.2
	9/23/09	80 U	0.83	**5,800 D**	59.82	**49 J**	0.505	80 U	0.482	**5,200 D**	39.58	**140 D**	2.24
	12/21/09	2.3	0.02	**1,210 D**	12.48	**24.1**	0.249	1.3	0.008	**657 D**	5.001	**52.9**	0.846
	4/6/10	**6.4**	0.07	**3,990 D**	41.16	**101**	1.042	**10.2**	0.062	**3,750 D**	28.54	**257**	4.112
	6/30/10	1.4 J	0.01	**1,410**	14.54	**20.3**	0.209	1.7	0.01	**781**	5.945	**10.3**	0.165
	9/29/10	**12.4**	0.13	**7,140**	73.65	**123**	1.269	**11.5**	0.069	**4,450**	33.87	**511**	8.176
	12/29/10	**17.7**	0.18	**10,400**	107.3	**81.3**	0.839	**15.1**	0.091	**6,660**	50.69	**491**	7.856
	3/25/11	1.5	0.02	**967**	9.974	**10.1**	0.104	3.8	0.023	**1,330**	10.12	**5.6**	0.09
	6/22/11	1 U	0.01	**407**	4.198	4.8	0.05	1 U	0.006	**297**	2.261	1 U	0.016
	10/4/11	2.8 J	0.03	**1,510 J**	15.58	**18.4 J**	0.19	1 U	0.006	**161 J**	1.225	1 U	0.016
	12/14/11	4.8	0.05	**2,480**	25.58	**29.3**	0.302	1 U	0.006	**399**	3.037	**89.7**	1.435
	3/27/12	**6**	0.06	**4,420**	45.59	**59.6**	0.615	3.5	0.021	**3,450**	26.26	**55**	0.88
	6/29/12	1.5	0.02	**713**	7.354	**11.8**	0.122	1 U	0.006	**338**	2.573	**116**	1.856
	10/3/12	20 U	0.21	**279**	2.878	20 U	0.206	20 U	0.121	**40.6**	0.309	**151**	2.416
	12/5/12	4.7	0.05	**1,250**	12.89	**38.6**	0.398	1 U	0.006	**261**	1.987	**314**	5.024
	4/3/13	5 U	0.05	**918**	9.469	**18.1**	0.187	5 U	0.03	**406**	3.09	**52.8**	0.845
	6/5/13	10 U	0.1	**1,130**	11.66	10 U	0.103	10 U	0.06	**512**	3.897	10 U	0.16
	10/18/13	5 U	0.05	**1,950**	20.11	**29.7**	0.306	5 U	0.03	**352**	2.679	**249**	3.984
	12/5/13	1 U	0.01	**975**	10.06	**10.8**	0.111	0.94 J	0.006	**347**	2.641	**12.7**	0.203
	3/27/14	2 U	0.02	**515**	5.312	**6.8**	0.07	2 U	0.012	**272**	2.07	**5.6**	0.09
	6/17/14	5 U	0.05	**507**	5.229	**6.7**	0.069	5 U	0.03	**1,160**	8.829	**29.8**	0.477
	8/20/14	2 U	0.02	**694**	7.158	**12.9**	0.133	2 U	0.012	**120**	0.913	105 J	1.68
	12/4/14	1.1	0.01	**527**	5.436	**9.1**	0.094	0.94 J	0.006	**542**	4.125	51 J	0.816
	3/11/15	2 U	0.02	**342**	3.528	**7**	0.072	1.3 J	0.008	**742**	5.648	1.7 J	0.027
	5/28/15	1.4 J	0.01	**760**	7.839	**14**	0.144	1.3 J	0.008	**727**	5.534	**6.4**	0.102
	8/24/15	2.2	0.02	**716**	7.385	**11.5**	0.119	2.7	0.016	**1,200**	9.134	**44.9**	0.718
	12/14/15	3	0.03	**880**	9.077	**13.7**	0.141	**5**	0.03	**1,560**	11.87	**25**	0.4
	4/12/16	2 U	0.02	**584**	6.024	**13.1**	0.135	1.3 J	0.008	**649**	4.94	**6.5**	0.104
	7/7/16	10 U	0.1	**705**	7.272	**9.6 J**	0.099	10 U	0.06	**875**	6.66	10 U	0.16
	9/28/16	4 U	0.04	**870 J**	8.974	**14.8**	0.153	1.8 U	0.011	**573**	4.361	**26.4**	0.422
	11/15/16	5 U	0.05	**791**	8.159	**12.5**	0.129	1.7 J	0.01	**682**	5.191	**15.4 J**	0.246
	3/28/17	0.42 J	0	**226**	2.331	**5.4**	0.056	1.3	0.008	**591**	4.498	**2.3**	0.037
	6/14/17	2.5 U	0.03	**199**	2.053	**5.6**	0.058	2.1 J	0.013	**864**	6.576	**9.4**	0.15
	9/27/17	1.1 J	0.01	**521**	5.374	**8.1**	0.084	2.2	0.013	**961**	7.315	**8.8**	0.141
	12/19/17	0.64 J	0.01	**331**	3.414	**6.6**	0.068	0.83 J	0.005	**527**	4.011	1.1	0.018
	3/21/18	1 U	0.01	**223**	2.3	4.8	0.05	1 U	0.006	**143**	1.088	**29.2**	0.467
	5/9/18	1 U	0.01	**135**	1.392	3.8	0.039	0.62 J	0.004	**232**	1.766	**16.1**	0.258
	8/29/18	1 U	0.01	**88.4**	0.912	2.2	0.023	1 U	0.006	**248**	1.888	**19.1**	0.306
	12/12/18	1 U	0.01	**53.5**	0.552	1.2	0.012	1 U	0.006	**198**	1.507	1	0.016
	3/6/19	1 U	0.01	**104**	1.073	2.1	0.022	1 U	0.006	**478**	3.638	1 U	0.016
	6/19/19	1 U	0.01	**133 J**	1.372	2.7	0.028	0.99 J	0.006	**316**	2.405	1.3	0.021
	9/19/19	2.5 U	0.03	**454**	4.683	**5.6**	0.058	2.5 U	0.015	**479**	3.646	**4.4**	0.07
	12/12/19	5 U	0.05	**528**	5.446	**8**	0.083	5 U	0.03	**722**	5.496	5 U	0.08
	3/18/20	5 U	0.05	**644**	6.643	**17.8**	0.184	5 U	0.03	**575**	4.377	**5.4**	0.086
	5/15/20	5 UJ	0.05	**394**	4.064	**11.5**	0.119	5 U	0.03	**696**	5.298	5 U	0.08
	8/12/20	5 U	0.05	**898**	9.263	**18.7**	0.193	5 U	0.03	**924**	7.033	**16.3**	0.261
	12/18/20	1 U	0.01	**260**	2.682	**8.7**	0.09	1 U	0.006	**375**	2.854	1 U	0.016
	3/24/21	1 U	0.01	**298**	3.074	**9.9**	0.102	1 U	0.006	**491**	3.737	1.9	0.03
MW-5B	6/23/21	0.81 J	0.01	**384**	3.961	**10.2**	0.105	1 U	0.006	**290**	2.207	**22.3**	0.357
	9/22/21	1.2 J	0.01	**393 J**	4.054	**8 J**	0.083	1.3 J	0.008	**552 J**	4.202	**3.2 J**	0.051
	12/16/21	5 U	0.05	**538**	5.549	**8.5**	0.088	5 U	0.03	**802**	6.104	**9.1**	0.146

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
	3/22/22	1 U	0.01	**118**	1.217	4.5	0.046	1.1	0.007	**375**	2.854	1.4	0.022
	6/15/22	1 U	0.01	**329**	3.394	**10.2**	0.105	1.2	0.007	**656**	4.993	**2.1**	0.034
	9/22/22	1.5 U	0.02	**795**	8.2	**11.7**	0.121	0.81	0.005	**554**	4.217	**27.7**	0.443
	12/14/22	1 U	0.01	**198**	2.042	2.3	0.024	1.1	0.007	**569**	4.331	1 U	0.016
	4/20/23	5 U	0.05	**705**	7.272	**10.2**	0.105	5 U	0.03	**383**	2.915	**47.7**	0.763
	9/21/23	4 U	0.04	**870**	8.974	**15.1**	0.156	4 U	0.024	**583**	4.438	**16.3**	0.261
	4/17/24	1 U	0.01	**188**	1.939	**5.8**	0.06	1 U	0.006	**331**	2.519	**1.5**	0.024
	9/25/24	4.1	0.04	**1,890**	19.49	**24.8**	0.256	1 U	0.006	**429**	3.265	**4.3**	0.069
MW-5-40	4/7/05	**37**	0.38	**19,000 E**	196	**150**	1.547	20 U	0.121	**14,000 E**	106.6	**350**	5.6
	6/29/06	**55**	0.57	**26,000 D**	268.2	**180 E**	1.857	**11**	0.066	**29,000 D**	220.7	**400 E**	6.4
	4/1/09	**22**	0.23	**12,000 D**	123.8	**92 DJ**	0.949	2	0.012	**11,000 D**	83.73	**510 D**	8.16
	9/22/09	200 U	2.06	**16,000**	165	200 U	2.063	200 U	1.206	**28,000 D**	213.1	**270**	4.32
	4/7/10	**23.2**	0.24	**13,400 D**	138.2	**177**	1.826	3.6	0.022	**6,540 D**	49.78	**390**	6.24
	10/4/10	**28.7**	0.3	**11,400**	117.6	**128**	1.32	**5.3**	0.032	**5,550**	42.24	**314**	5.024
	3/25/11	**5.7**	0.06	**18,000**	185.7	**111**	1.145	2.7	0.016	**6,390**	48.64	**774**	12.38
	10/4/11	**7.7 J**	0.08	**6,720 J**	69.31	**48.1 J**	0.496	3.8	0.023	**6,760 J**	51.45	**384 J**	6.144
	3/28/12	**11.2**	0.12	**10,200**	105.2	**89.1**	0.919	4	0.024	**6,600**	50.24	**314**	5.024
	10/4/12	200 U	2.06	**9,780**	100.9	200 U	2.063	200 U	1.206	**6,840**	52.06	**460**	7.36
	4/3/13	**21.6**	0.22	**8,470**	87.36	**149**	1.537	2.5	0.015	**4,050**	30.83	**452**	7.232
	10/18/13	**25.8**	0.27	**13,100**	135.1	**96.4**	0.994	20 U	0.121	**9,580**	72.92	**711**	11.38
	3/27/14	50 U	0.52	**10,900**	112.4	**101**	1.042	50 U	0.302	**6,080**	46.28	**657**	10.51
	8/20/14	20 U	0.21	**7,740**	79.83	**112**	1.155	20 U	0.121	**4,920**	37.45	**563 J**	9.008
	3/11/15	**20.2**	0.21	**6,820**	70.35	**151**	1.558	3	0.018	**2,320**	17.66	**565**	9.04
	8/24/15	**19.1**	0.2	**8,180**	84.37	**224**	2.31	4.8	0.029	**5,370**	40.87	**969**	15.5
	4/12/16	**17.7 J**	0.18	**12,700**	131	**237**	2.445	20 U	0.121	**1,550**	11.8	**1,140**	18.24
	9/27/16	50 U	0.52	**12,000 J**	123.8	**143**	1.475	50 U	0.302	**4,490**	34.18	**683**	10.93
	3/28/17	**22.5 J**	0.23	**12,300**	126.9	**192**	1.98	25 U	0.151	**4,430**	33.72	**505**	8.08
	6/14/17	**30**	0.31	**15,100**	155.8	**264**	2.723	25 U	0.151	**3,720**	28.31	**878**	14.05
	9/26/17	**47.3 J**	0.49	**19,000**	196	**284**	2.929	100 U	0.603	**4,600**	35.01	**939**	15.02
	12/19/17	**36.9**	0.38	**16,500**	170.2	**232**	2.393	10 U	0.06	**3,230**	24.59	**975**	15.6
	3/20/18	**29.6 J**	0.31	**15,400**	158.8	**270**	2.785	50 U	0.302	**2,500**	19.03	**1,190**	19.04
	5/9/18	**33.9 J**	0.35	**18,100**	186.7	**294**	3.032	50 U	0.302	**2,000**	15.22	**1,000**	16
	8/29/18	50 U	0.52	**16,500**	170.2	**256**	2.641	50 U	0.302	**3,780**	28.77	**733**	11.73
	12/12/18	50 U	0.52	**13,600**	140.3	**176**	1.815	50 U	0.302	**2,630**	20.02	**909**	14.54
	3/6/19	**22.5 J**	0.23	**9,840**	101.5	**226**	2.331	25 U	0.151	**3,910**	29.76	**852**	13.63
	6/19/19	**27.1**	0.28	**11,400**	117.6	**247**	2.548	1.8	0.011	**3,040**	23.14	**979**	15.66
	9/19/19	**24**	0.25	**12,200**	125.8	**325**	3.352	5 U	0.03	**1,310**	9.971	**1,010**	16.16
	12/10/19	25 U	0.26	**4,640**	47.86	**18.6 J**	0.192	25 U	0.151	**49.8**	0.379	**164**	2.624
	3/20/20	**20.6**	0.21	**10,100**	104.2	**318**	3.28	20 U	0.121	**2,840**	21.62	**1,600**	25.6
	5/14/20	**20.6**	0.21	**9,130**	94.17	**233**	2.403	20 U	0.121	**2,790 J**	21.24	**884**	14.14
	8/12/20	**16.7 J**	0.17	**10,200**	105.2	**263**	2.713	25 U	0.151	**2,320**	17.66	**1,310**	20.96
	12/17/20	**6.9 J**	0.07	**3,760**	38.78	**133**	1.372	10 U	0.06	**1,020**	7.764	**1,150**	18.4
	3/24/21	**16.9**	0.17	**8,600**	88.71	**327**	3.373	10 U	0.06	**1,460**	11.11	**1,280**	20.48
	6/23/21	**21.1**	0.22	**8,370**	86.33	**158**	1.63	20 U	0.121	**54.6**	0.416	**2,400**	38.4
	9/22/21	100 U	1.03	**10,900 J**	112.4	**68.4 J**	0.706	100 U	0.603	**287 J**	2.185	**1,580 J**	25.28
	12/14/21	50 U	0.52	**10,800**	111.4	**155**	1.599	50 U	0.302	**307**	2.337	**6,750**	108
	3/23/22	**6.6 J**	0.07	**5,830**	60.13	**123**	1.269	10 U	0.06	**766**	5.83	**5,780**	92.48
	6/16/22	50 U	0.52	**6,260**	64.57	**58.6**	0.604	50 U	0.302	**3,030**	23.06	**1,500**	24
	9/20/22	10 U	0.1	**2,420**	24.96	**101**	1.042	10 U	0.06	**33**	0.251	**4,250**	68
	12/14/22	**13.7**	0.14	**7,780**	80.25	**56.2**	0.58	10 U	0.06	**1,720**	13.09	**1,060**	16.96
	4/20/23	50 U	0.52	**8,650**	89.22	**253**	2.61	50 U	0.302	**2,080**	15.83	**3,870**	61.92
	9/20/23	50 U	0.52	**12,300**	126.9	**195**	2.011	50 U	0.302	**4,080**	31.05	**2,520**	40.32
	4/17/24	25 U	0.26	**8,430**	86.95	**467**	4.817	25 U	0.151	**267**	2.032	**3,540**	56.64
	9/25/24	50 U	0.52	**10,300**	106.2	**201**	2.073	50 U	0.302	**1,480**	11.27	**2,570**	41.12
MW-5-100	11/12/04	1 U	0.01	0.49 J	0.005	1 U	0.01	1 U	0.006	0.97 J	0.007	1 U	0.016
	4/1/09	1 U	0.01	**17**	0.175	0.31 J	0.003	1 U	0.006	0.98 J	0.007	**5.9**	0.094
	6/10/09	1.5	0.02	**1,600 D**	16.5	25	0.258	0.74 J	0.004	**580 D**	4.415	1 U	0.016
	9/22/09	1 U	0.01	**23**	0.237	1 U	0.01	1 U	0.006	2.8	0.021	**5.2**	0.083
	4/7/10	1 U	0.01	**37.3**	0.385	1 U	0.01	1 U	0.006	4.7	0.036	**5.4**	0.086
	10/4/10	1 U	0.01	**39.9**	0.412	1 U	0.01	1 U	0.006	1.8	0.014	**13.1**	0.21
	3/25/11	1 U	0.01	**13.5**	0.139	1 U	0.01	1 U	0.006	2.2	0.017	**7.3**	0.117
	6/29/12	1 U	0.01	**7.1**	0.073	1 U	0.01	1 U	0.006	1 U	0.008	**5.8**	0.093
	10/4/12	1 U	0.01	3.72	0.038	1 U	0.01	1 U	0.006	2.95	0.022	**1.72**	0.028
	4/3/13	1 U	0.01	3.5	0.036	1 U	0.01	1 U	0.006	1 U	0.008	**3.7**	0.059
	10/18/13	1 U	0.01	2.5	0.026	1 U	0.01	1 U	0.006	1.4	0.011	**2.5**	0.04
	3/27/14	1 U	0.01	2	0.021	1 U	0.01	1 U	0.006	1 U	0.008	**3.3**	0.053
	8/19/14	1 U	0.01	2.5	0.026	1 U	0.01	1 U	0.006	2.6	0.02	**3.6 J**	0.058
	3/11/15	0.9 J	0.01	**20**	0.206	0.77 J	0.008	1 U	0.006	0.57 J	0.004	**42.9**	0.686
	8/24/15	1 U	0.01	3.2	0.033	0.79 J	0.008	1 U	0.006	0.41 J	0.003	**14.5**	0.232
	4/12/16	1 U	0.01	2.2	0.023	1 U	0.01	1 U	0.006	1 U	0.008	**4.5**	0.072
	9/28/16	1 U	0.01	2.1 J	0.022	1 U	0.01	1 U	0.006	0.54 J	0.004	1.5	0.024
	3/29/17	1 U	0.01	2	0.021	1 U	0.01	1 U	0.006	0.26 J	0.002	1.5	0.024
	9/27/17	1 U	0.01	2.3	0.024	1 U	0.01	1 U	0.006	0.53 J	0.004	**2.1**	0.034
	3/20/18	1 U	0.01	2.2	0.023	1 U	0.01	1 U	0.006	0.39 J	0.003	1.8	0.029
	8/29/18	1 U	0.01	2.5	0.026	1 U	0.01	1 U	0.006	1 U	0.008	1.8	0.029
	3/6/19	1 U	0.01	2.2	0.023	1 U	0.01	1 U	0.006	1 U	0.008	1.5	0.024
	9/19/19	1 U	0.01	2	0.021	1 U	0.01	1 U	0.006	1 U	0.008	1.4	0.022
MW-5-100	3/20/20	1 U	0.01	2	0.021	1 U	0.01	1 U	0.006	1 U	0.008	1.1	0.018
	8/12/20	1 U	0.01	2	0.021	1 U	0.01	1 U	0.006	1 U	0.008	1.5	0.024
	3/24/21	1 U	0.01	2.2	0.023	1 U	0.01	1 U	0.006	1 U	0.008	1.4	0.022
	9/21/21	0.68 J	0.01	**554 J**	5.714	2.7 J	0.028	1 UJ	0.006	4.6 J	0.035	**95.3 J**	1.525

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
	3/23/22	1 U	0.01	**70.4**	0.726	1 U	0.01	1 U	0.006	0.72	0.005	**16.1**	0.258
	6/16/22	1 U	0.01	**78.9**	0.814	1 U	0.01	1 U	0.006	0.99 J	0.008	**48**	0.768
	9/21/22	1 U	0.01	**33.4**	0.345	1 U	0.01	1 U	0.006	1 U	0.008	**35.4**	0.566
	12/14/22	1 U	0.01	**20.1**	0.207	1 U	0.01	1 U	0.006	1 U	0.008	**21.6**	0.346
	4/20/23	1 U	0.01	**17**	0.175	1 U	0.01	1 U	0.006	1 U	0.008	**11.6**	0.186
	9/20/23	1 U	0.01	**19.2**	0.198	1 U	0.01	1 U	0.006	0.81 J	0.006	**13**	0.208
	4/17/24	1 U	0.01	**11.7**	0.121	1 U	0.01	1 U	0.006	1 U	0.008	**5.5**	0.088
	9/25/24	1 U	0.01	**6**	0.062	1 U	0.01	1 U	0.006	1.1	0.008	**2.7**	0.043
MW-7B	3/11/15	1.7	0.02	**951**	9.809	**10.8**	0.111	1 U	0.006	3	0.023	**401**	6.416
	4/12/16	1 U	0.01	1.3 J	0.013	1 U	0.01	1 U	0.006	0.79 J	0.006	1 U	0.016
	9/27/16	1 U	0.01	1.3 J	0.013	1 U	0.01	1 U	0.006	0.79 J	0.006	1 U	0.016
	3/29/17	1 U	0.01	**5.1**	0.053	1 U	0.01	1 U	0.006	0.63 J	0.005	**2.4**	0.038
	6/13/17	1 U	0.01	**251**	2.589	1.7	0.018	1 U	0.006	**13.5**	0.103	**97.9**	1.566
	9/28/17	1 U	0.01	**11.8**	0.122	1	0.01	1 U	0.006	0.73 J	0.006	**76.2**	1.219
	12/19/17	1 U	0.01	1	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**3.4**	0.054
	3/20/18	1 U	0.01	0.54 J	0.006	1 U	0.01	1 U	0.006	0.36 J	0.003	1.5	0.024
	5/8/18	1 U	0.01	**199**	2.053	1.1	0.011	1 U	0.006	**175**	1.332	**11.3**	0.181
	8/29/18	1 U	0.01	**25.4**	0.262	1 U	0.01	1 U	0.006	**11.5**	0.088	**2**	0.032
	12/12/18	1 U	0.01	**17**	0.175	1 U	0.01	1 U	0.006	3.2	0.024	1 U	0.016
	3/5/19	1 U	0.01	**5.3**	0.055	1 U	0.01	1 U	0.006	0.84 J	0.006	1 U	0.016
	6/19/19	1 U	0.01	**8.9**	0.092	1 U	0.01	1 U	0.006	0.84 J	0.006	1 U	0.016
	9/17/19	1 U	0.01	**182**	1.877	1.6	0.017	1 U	0.006	**46.3**	0.352	**43**	0.688
	12/11/19	1 U	0.01	2.2	0.023	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/19/20	1 U	0.01	**111**	1.145	0.74 J	0.008	1 U	0.006	**19.9**	0.151	**13.2**	0.211
	5/13/20	1 UJ	0.01	**29.4**	0.303	1 U	0.01	1 U	0.006	**10.1**	0.077	**2.9**	0.046
	8/12/20	1 U	0.01	**115**	1.186	0.87 J	0.009	1 U	0.006	4.5	0.034	**86.8**	1.389
	12/16/20	1 U	0.01	**51.6**	0.532	1 U	0.01	1 U	0.006	**12.2**	0.093	**7.9**	0.126
	3/23/21	1 U	0.01	**139**	1.434	0.78 J	0.008	1 U	0.006	**39.7**	0.302	**15.9**	0.254
	6/23/21	1 U	0.01	4	0.041	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/21/21	2.5 U	0.03	**207 J**	2.135	1.4 J	0.014	2.5 U	0.015	**9.6** J	0.073	**40 J**	0.64
	12/14/21	0.72 J	0.01	**346**	3.569	1.5	0.015	1 U	0.006	**118**	0.898	**30.3**	0.485
	3/22/22	1 U	0.01	**9.5**	0.098	1 U	0.01	1 U	0.006	1.6	0.012	1.1	0.018
	6/16/22	1 U	0.01	1.3	0.013	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/21/22	1 U	0.01	1.7	0.018	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/23/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/20/23	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/19/23	1 U	0.01	**24.7**	0.255	1 U	0.01	1 U	0.006	1.2	0.009	**34.7**	0.555
	4/17/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1.2	0.009	1 U	0.016
	9/25/24	1 U	0.01	**114**	1.176	0.94 J	0.01	1 U	0.006	3.1	0.024	**28.1**	0.45
MW-7-40	5/19/05	1 U	0.01	**100 E**	1.031	3.3	0.034	1 U	0.006	1 U	0.008	**35**	0.56
	12/14/05	2 U	0.02	**180**	1.857	3.1	0.032	2 U	0.012	2 U	0.015	**40**	0.64
	6/29/06	1 U	0.01	**120 E**	1.238	1.3	0.013	1 U	0.006	1 U	0.008	**23**	0.368
	4/2/09	1 U	0.01	**33**	0.34	1.5	0.015	1 U	0.006	1 U	0.008	**30**	0.48
	6/11/09	1 U	0.01	**140 D**	1.444	2.3	0.024	1 U	0.006	0.51 J	0.004	**4.1**	0.066
	9/23/09	1 U	0.01	**97**	1.001	2	0.021	1 U	0.006	1 U	0.008	**29**	0.464
	4/8/10	1 U	0.01	**227**	2.341	1.6	0.017	1 U	0.006	1 U	0.008	**8.2**	0.131
	10/6/10	1 U	0.01	**145**	1.496	1	0.01	1 U	0.006	1 U	0.008	**10.7**	0.171
	3/25/11	1 U	0.01	**150**	1.547	1 U	0.01	1 U	0.006	3.2	0.024	**17.7**	0.283
	10/4/11	1 U	0.01	**267**	2.754	2.9	0.03	1 U	0.006	1 U	0.008	**42.7**	0.683
	3/27/12	1 U	0.01	**206**	2.125	1.1	0.011	1 U	0.006	1 U	0.008	**38.3**	0.613
	10/4/12	5 U	0.05	**130**	1.341	5 U	0.052	5 U	0.03	5 U	0.038	**32.9**	0.526
	4/4/13	1 U	0.01	**155**	1.599	1.6	0.017	1 U	0.006	1 U	0.008	**33.4**	0.534
	3/26/14	1 U	0.01	**138**	1.423	1.4	0.014	1 U	0.006	1 U	0.008	**22.6**	0.362
	8/19/14	1 U	0.01	**218**	2.249	2.4	0.025	1 U	0.006	1 U	0.008	**31.9**	0.51
	3/12/15	1 U	0.01	**115**	1.186	0.85 J	0.009	1 U	0.006	1 U	0.008	**14.5**	0.232
	8/24/15	1 U	0.01	**161**	1.661	1.3	0.013	1 U	0.006	1 U	0.008	**33.2**	0.531
	4/14/16	1 U	0.01	**156**	1.609	1.1	0.011	1 U	0.006	1 U	0.008	**64.9**	1.038
	9/28/16	1 U	0.01	**133 J**	1.372	0.95 J	0.01	1 U	0.006	0.79 J	0.006	**39.4**	0.63
	3/31/17	1 U	0.01	**88.6**	0.914	1 U	0.01	1 U	0.006	1 U	0.008	**29.3**	0.469
	9/29/17	1 U	0.01	**88.2**	0.91	0.4 J	0.004	1 U	0.006	1 U	0.008	**38.9**	0.622
	3/23/18	1 U	0.01	**104**	1.073	0.76 J	0.008	1 U	0.006	1 U	0.008	**27.2**	0.435
	8/31/18	1 U	0.01	**179**	1.846	3.1	0.032	1 U	0.006	1 U	0.008	**23.2**	0.371
	3/7/19	1 U	0.01	**84.7**	0.874	1 U	0.01	1 U	0.006	1 U	0.008	**27.6**	0.442
	9/18/19	1 U	0.01	**75.6**	0.78	1 U	0.01	1 U	0.006	1 U	0.008	**30.3**	0.485
	3/23/20	1 U	0.01	**127**	1.31	0.83 J	0.009	1 U	0.006	1 U	0.008	1 U	0.016
	8/13/20	1 U	0.01	**82.8**	0.854	0.54 J	0.006	1 U	0.006	1 U	0.008	**22.2**	0.355
	3/23/21	1 U	0.01	**124**	1.279	0.84 J	0.009	1 U	0.006	1 U	0.008	0.81 J	0.013
	9/21/21	1 UJ	0.01	**85.6 J**	0.883	1.1 J	0.011	1 UJ	0.006	1 UJ	0.008	**15.2 J**	0.243
	3/24/22	1 U	0.01	1	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/21/22	1 U	0.01	**150**	1.547	2.2	0.023	1 U	0.006	1 U	0.008	**41.5**	0.664
	4/18/23	1 U	0.01	**79.4**	0.819	0.57 J	0.006	1 U	0.006	1 U	0.008	1.6	0.026
	9/24/24	1 U	0.01	**87.8**	0.906	1.2	0.012	1 U	0.006	1 U	0.008	**23.4**	0.374

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
MW-8-40	5/19/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/14/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/29/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/3/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	0.74 J	0.006	1 U	0.016
	6/9/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/24/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/8/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/7/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/23/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/4/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/27/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/3/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/3/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/28/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/27/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/19/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/16/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/24/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/14/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/27/16	1 U	0.01	1 UJ	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/31/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/28/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/21/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/30/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/30/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/8/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/19/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/11/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/18/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/13/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/25/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/23/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/21/23	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/25/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
MW-15-40	4/1/09	**22**	0.23	**12,000 D**	123.8	**92 D**	0.949	2	0.012	**11,000 D**	83.73	**510 D**	8.16
	9/22/09	200 U	2.06	**16,000**	165	200 U	2.063	200 U	1.206	**28,000 D**	213.1	**270**	4.32
	4/7/10	**23.2**	0.24	**13,400 D**	138.2	**177**	1.826	3.6	0.022	**6,540 D**	49.78	**390**	6.24
	10/4/10	**28.7**	0.3	**11,400**	117.6	**128**	1.32	**5.3**	0.032	**5,550**	42.24	**314**	5.024
	3/25/11	**5.7**	0.06	**18,000**	185.7	**111**	1.145	2.7	0.016	**6,390**	48.64	**774**	12.38
	10/4/11	**7.7 J**	0.08	**6,720 J**	69.31	**48.1 J**	0.496	3.8	0.023	**6,760 J**	51.45	**384 J**	6.144
	3/28/12	**11.2**	0.12	**10,200**	105.2	**89.1**	0.919	4	0.024	**6,600**	50.24	**314**	5.024
	10/4/12	200 U	2.06	**9,780**	100.9	200 U	2.063	200 U	1.206	**6,840**	52.06	**460**	7.36
	4/3/13	**21.6**	0.22	**8,470**	87.36	**149**	1.537	2.5	0.015	**4,050**	30.83	**452**	7.232
	10/18/13	**25.8**	0.27	**13,100**	135.1	**96.4**	0.994	20 U	0.121	**9,580**	72.92	**711**	11.38
	3/27/14	50 U	0.52	**10,900**	112.4	**101**	1.042	50 U	0.302	**6,080**	46.28	**657**	10.51
	8/20/14	20 U	0.21	**7,740**	79.83	**112**	1.155	20 U	0.121	**4,920**	37.45	**563 J**	9.008
	3/11/15	**20.2**	0.21	**6,820**	70.35	**151**	1.558	3	0.018	**2,320**	17.66	**565**	9.04
	8/24/15	**19.1**	0.2	**8,180**	84.37	**224**	2.31	4.8	0.029	**5,370**	40.87	**969**	15.5
	4/12/16	**17.7 J**	0.18	**12,700**	131	**237**	2.445	20 U	0.121	**1,550**	11.8	**1,140**	18.24
	9/27/16	50 U	0.52	**12,000 J**	123.8	**143**	1.475	50 U	0.302	**4,490**	34.18	**683**	10.93
	3/28/17	**22.5 J**	0.23	**12,300**	126.9	**192**	1.98	25 U	0.151	**4,430**	33.72	**505**	8.08
	6/14/17	**30**	0.31	**15,100**	155.8	**264**	2.723	25 U	0.151	**3,720**	28.31	**878**	14.05
	9/26/17	**47.3 J**	0.49	**19,000**	196	**284**	2.929	100 U	0.603	**4,600**	35.01	**939**	15.02
	12/19/17	**36.9**	0.38	**16,500**	170.2	**232**	2.393	10 U	0.06	**3,230**	24.59	**975**	15.6
	3/20/18	**29.6 J**	0.31	**15,400**	158.8	**270**	2.785	50 U	0.302	**2,500**	19.03	**1,190**	19.04
	5/9/18	**33.9 J**	0.35	**18,100**	186.7	**294**	3.032	50 U	0.302	**2,000**	15.22	**1,000**	16
	8/29/18	50 U	0.52	**16,500**	170.2	**256**	2.641	50 U	0.302	**3,780**	28.77	**733**	11.73
	12/12/18	50 U	0.52	**13,600**	140.3	**176**	1.815	50 U	0.302	**2,630**	20.02	**909**	14.54
	3/6/19	**22.5 J**	0.23	**9,840**	101.5	**226**	2.331	25 U	0.151	**3,910**	29.76	**852**	13.63
	6/19/19	**27.1**	0.28	**11,400**	117.6	**247**	2.548	1.8	0.011	**3,040**	23.14	**979**	15.66
	9/19/19	**24**	0.25	**12,200**	125.8	**325**	3.352	5 U	0.03	**1,310**	9.971	**1,010**	16.16
	12/10/19	25 U	0.26	**4,640**	47.86	**18.6 J**	0.192	25 U	0.151	**49.8**	0.379	**164**	2.624
	3/20/20	**20.6**	0.21	**10,100**	104.2	**318**	3.28	20 U	0.121	**2,840**	21.62	**1,600**	25.6
	5/14/20	**20.6**	0.21	**9,130**	94.17	**233**	2.403	20 U	0.121	**2,790 J**	21.24	**884**	14.14
	8/12/20	**16.7 J**	0.17	**10,200**	105.2	**263**	2.713	25 U	0.151	**2,320**	17.66	**1,310**	20.96
	12/17/20	**6.9 J**	0.07	**3,760**	38.78	**133**	1.372	10 U	0.06	**1,020**	7.764	**1,150**	18.4
	3/24/21	**16.9**	0.17	**8,600**	88.71	**327**	3.373	10 U	0.06	**1,460**	11.11	**1,280**	20.48
	6/23/21	**21.1**	0.22	**8,370**	86.33	**158**	1.63	20 U	0.121	**54.6**	0.416	**2,400**	38.4
	9/22/21	100 U	1.03	**10,900**	112.4	**68.4**	0.706	100 U	0.603	**287**	2.185	**1,580**	25.28
	12/14/21	50 U	0.52	**10,800**	111.4	**155**	1.599	50 U	0.302	**307**	2.337	**6,750**	108
	3/23/22	**6.6**	0.07	**5,830**	60.13	**123**	1.269	10 U	0.06	**766**	5.83	**5,780**	92.48
	6/16/22	50 U	0.52	**6,260**	64.57	**58.6**	0.604	50 U	0.302	**3,030**	23.06	**1,500**	24
	9/20/22	10 U	0.1	**2,420**	24.96	**101**	1.042	10 U	0.06	**33**	0.251	**4,250**	68
	12/14/22	**13.7**	0.14	**7,780**	80.25	**56.2**	0.58	10 U	0.06	**1,720**	13.09	**1,060**	16.96

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
MW-16-100	12/14/05	1 U	0.01	**120 E**	1.238	2	0.021	1 U	0.006	2	0.014	**4**	0.067
	4/2/09	0.63 J	0.01	**600 D**	6.189	4.6	0.047	1 U	0.006	1.4	0.011	**56**	0.896
	6/9/09	1.1	0.01	**770 D**	7.942	3.6	0.037	1 U	0.006	0.91 J	0.007	**93**	1.488
	9/24/09	10 U	0.1	**780**	8.045	4.9 J	0.051	10 U	0.06	10 U	0.076	**76**	1.216
	4/6/10	1 U	0.01	**501 D**	5.168	1.6	0.017	1 U	0.006	2.8	0.021	**99.4**	1.59
	10/6/10	1 U	0.01	**65.3**	0.674	1 U	0.01	1 U	0.006	1 U	0.008	**28.3**	0.453
	10/6/11	1 U	0.01	**165 J**	1.702	1.9 J	0.02	1 U	0.006	1 U	0.008	**146 J**	2.336
	3/27/12	1 U	0.01	**293**	3.022	2.3	0.024	1 U	0.006	1 U	0.008	**84.5**	1.352
	10/4/12	1 U	0.01	**176**	1.815	1.28	0.013	1 U	0.006	**6.49**	0.049	**49.9**	0.798
	4/4/13	1 U	0.01	**162**	1.671	1 U	0.01	1 U	0.006	1 U	0.008	**33.1**	0.53
	10/18/13	1 U	0.01	**51**	0.526	1 U	0.01	1 U	0.006	1 U	0.008	**25.3 J**	0.405
	3/26/14	1 U	0.01	**137**	1.413	0.75 J	0.008	1 U	0.006	1 U	0.008	**23.5**	0.376
	8/20/14	1 U	0.01	**138**	1.423	1 U	0.01	1 U	0.006	2.3	0.018	**41**	0.656
	3/12/15	1 U	0.01	**80.9**	0.834	0.53 J	0.005	1 U	0.006	1 U	0.008	**34.2**	0.547
	8/24/15	1 U	0.01	**42.4**	0.437	1.3	0.013	1 U	0.006	1 U	0.008	**45.6**	0.73
	4/14/16	1 U	0.01	**47.1**	0.486	1 U	0.01	1 U	0.006	1 U	0.008	**48.8**	0.781
	9/27/16	1 U	0.01	**22.2 J**	0.229	1 U	0.01	1 U	0.006	1 U	0.008	**10.6**	0.17
	3/30/17	1 U	0.01	**54.9**	0.566	1 U	0.01	1 U	0.006	1 U	0.008	**21.6**	0.346
	9/29/17	1 U	0.01	**47.7**	0.492	1 U	0.01	1 U	0.006	1 U	0.008	**11.7**	0.187
	3/23/18	1 U	0.01	**37.7**	0.389	1 U	0.01	1 U	0.006	1 U	0.008	**21.9**	0.35
	8/31/18	1 U	0.01	**18.9**	0.195	1 U	0.01	1 U	0.006	1 U	0.008	**13**	0.208
	3/7/19	1 U	0.01	**32.8**	0.338	1 U	0.01	1 U	0.006	1 U	0.008	**19**	0.304
	9/17/19	1 U	0.01	**6.7**	0.069	1 U	0.01	1 U	0.006	1 U	0.008	**2.5**	0.04
	9/17/19	1 U	0.01	**8.2**	0.085	1 U	0.01	1 U	0.006	1 U	0.008	**2.9**	0.046
	3/24/20	1 U	0.01	**39.4**	0.406	1 U	0.01	1 U	0.006	1 U	0.008	**99.6**	1.594
	8/11/20	1 U	0.01	**22.3**	0.23	1 U	0.01	1 U	0.006	1 U	0.008	**114**	1.824
	3/23/21	1 U	0.01	**8.7**	0.09	1 U	0.01	1 U	0.006	1 U	0.008	**54.4**	0.87
	9/21/21	1 U	0.01	1.4 J	0.014	1 UJ	0.01	1 U	0.006	1 U	0.008	**17.1 J**	0.274
	3/23/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/21/22	1 U	0.01	4	0.041	1 U	0.01	1 U	0.006	1 U	0.008	**19**	0.304
	4/18/23	1 U	0.01	**15.3**	0.158	1 U	0.01	1 U	0.006	1 U	0.008	**73.1**	1.17
	9/24/24	1 U	0.01	**1.5**	0.015	1 U	0.01	1 U	0.006	1 U	0.008	**4.8**	0.077
MW-17-40	4/7/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/15/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/28/06	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/2/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	0.22 J	0.002	1 U	0.016
	6/9/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/22/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/7/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/6/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/24/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/5/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/27/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/3/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/3/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/17/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/26/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/19/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/12/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/24/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/14/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/27/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/29/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/28/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/30/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/6/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/18/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/17/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/11/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/22/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/24/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
MW-18A	2/25/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/8/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/13/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/28/06	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/1/09	1 U	0.01	0.37 J	0.004	1 U	0.01	1 U	0.006	0.88 J	0.007	1 U	0.016
	9/24/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/7/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/7/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/24/11	1 U	0.01	4.8	0.05	1 U	0.01	1 U	0.006	4.5	0.034	1.2	0.019
	10/5/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/27/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/3/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/2/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/18/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/25/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/18/14	1 U	0.01	2.7	0.028	1 U	0.01	1 U	0.006	2	0.015	1 U	0.016
MW-18A	3/12/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
	8/24/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/12/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/26/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/29/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/28/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/29/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/8/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/19/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/17/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/13/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/25/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/23/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/21/23	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/26/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
MW-20B	4/7/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/14/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/28/06	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/1/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	0.25 J	0.002	1 U	0.016
	9/24/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/18/09	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/7/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/5/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/23/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/4/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/14/11	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/27/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/29/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/3/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/3/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/18/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/26/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/19/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/16/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/24/15	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/13/16	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 UJ	0.016
	9/26/16	1 U	0.01	1 UJ	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/30/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/27/17	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/21/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/29/18	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/8/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/8/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	6/19/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/19/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/18/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/13/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/25/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/23/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/21/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/21/23	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/25/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
MW-22B	4/7/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/13/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1.1	0.008	1 U	0.016
	6/28/06	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/2/09	1 U	0.01	0.65 J	0.007	0.71 J	0.007	1 U	0.006	0.36 J	0.003	1 U	0.016
	9/24/09	1 U	0.01	1.3	0.013	0.57 J	0.006	1 U	0.006	1 U	0.008	1.1	0.018
	4/8/10	1 U	0.01	1.6	0.017	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/5/10	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	**3.1**	0.05
	3/23/11	1 U	0.01	2.3	0.024	1 U	0.01	1 U	0.006	1.1	0.008	1.8	0.029
	10/5/11	1 U	0.01	1.4	0.014	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/27/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/3/12	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/2/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	10/18/13	1 U	0.01	0.68 J	0.007	1 U	0.01	1 U	0.006	0.71 J	0.005	1 U	0.016
	3/25/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/20/14	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	0.55 J	0.004	1 U	0.016
	3/12/15	1 U	0.01	0.73 J	0.008	1 U	0.01	1 U	0.006	0.28 J	0.002	1.1	0.018
	8/24/15	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1 U	0.008	1.3	0.021
	11/3/15	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1 U	0.008	1.6	0.026
	1/6/16	1 U	0.01	0.86 J	0.009	1 U	0.01	1 U	0.006	1 U	0.008	**2.3**	0.037
	4/12/16	1 U	0.01	0.65 J	0.007	1 U	0.01	1 U	0.006	1 U	0.008	1.5	0.024
	9/26/16	1 U	0.01	1.1 J	0.011	1 U	0.01	1 U	0.006	1 U	0.008	2	0.032
	3/29/17	1 U	0.01	0.71 J	0.007	1 U	0.01	1 U	0.006	1 U	0.008	1.2	0.019
	9/28/17	1 U	0.01	1.1	0.011	1 U	0.01	1 U	0.006	1 U	0.008	1.6	0.026
	9/28/17	1 U	0.01	1.2	0.012	1 U	0.01	1 U	0.006	1 U	0.008	1.7	0.027
MW-22B	3/21/18	1 U	0.01	0.61 J	0.006	1 U	0.01	1 U	0.006	1 U	0.008	1.7	0.027
	8/31/18	1 U	0.01	0.55 J	0.006	1 U	0.01	1 U	0.006	1 U	0.008	1.2	0.019

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
	3/8/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/19/19	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/17/20	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	8/13/20	1 U	0.01	0.68 J	0.007	1 U	0.01	1 U	0.006	1 U	0.008	1	0.016
	3/25/21	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/23/21	1 U	0.01	0.75 J	0.008	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	3/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/22/22	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	4/21/23	1 U	0.01	0.8 J	0.008	1 U	0.01	1 U	0.006	1 U	0.008	0.91 J	0.015
	9/26/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
MW-31B	8/18/05	1 U	0.01	1.3	0.013	1 U	0.01	1 U	0.006	**5.5**	0.042	1 U	0.016
	12/13/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	3.4	0.026	1 U	0.016
	3/23/22	2 U	0.02	0.9 J	0.009	1 U	0.01	1 U	0.006	**15**	0.114	2 U	0.032
	4/18/23	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	**13.2**	0.1	1 U	0.016
	9/24/24	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
MW-32B	8/18/05	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	200 D	1.522	1 U	0.016
	1/14/09	1 U	0.01	**200 D**	2.063	1.4	0.014	1 U	0.006	**140 D**	1.066	1 U	0.016
	4/1/09	1 U	0.01	**240 D**	2.476	2	0.021	1 U	0.006	**170 D**	1.294	1 U	0.016
	6/10/09	1 U	0.01	**190 D**	1.96	1.1	0.011	1 U	0.006	**160 D**	1.218	1 U	0.016
	9/24/09	2 U	0.02	**130**	1.341	0.84 J	0.009	2 U	0.012	**130**	0.989	2 U	0.032
	12/18/09	1 U	0.01	**73**	0.753	1 U	0.01	1 U	0.006	**95.9**	0.73	1 U	0.016
	4/6/10	1 U	0.01	**132**	1.362	1 U	0.01	1 U	0.006	**107**	0.814	1 U	0.016
	6/29/10	1 U	0.01	**94**	0.97	1 UJ	0.01	1 U	0.006	**80.2**	0.61	1 U	0.016
	10/5/10	1 U	0.01	**67.9**	0.7	1 U	0.01	1 U	0.006	**49.1**	0.374	1 U	0.016
	12/29/10	1 U	0.01	**78.9**	0.814	1 U	0.01	1 U	0.006	**46.4**	0.353	1 U	0.016
	3/23/11	1 U	0.01	**50.8**	0.524	1 U	0.01	1 U	0.006	**33.9**	0.258	1 U	0.016
	10/4/11	1 UR	0.01	**57 J**	0.588	1 UR	0.01	1 UR	0.006	**59.3 J**	0.451	1 UR	0.016
	12/14/11	1 U	0.01	**28.2**	0.291	1 U	0.01	1 U	0.006	**43.1**	0.328	1 U	0.016
	3/27/12	1 U	0.01	**51.1**	0.527	1 U	0.01	1 U	0.006	**60.9**	0.464	1 U	0.016
	6/29/12	1 U	0.01	**45.8**	0.472	1 U	0.01	1 U	0.006	**77.6**	0.591	1 U	0.016
	10/3/12	1 U	0.01	**37.3**	0.385	1 U	0.01	1 U	0.006	**30**	0.228	1 U	0.016
	12/5/12	1 U	0.01	**38.7**	0.399	1 U	0.01	1 U	0.006	**58.4**	0.445	1 U	0.016
	4/3/13	1 U	0.01	**44.4**	0.458	1	0.01	1 U	0.006	**60.8**	0.463	1 U	0.016
	6/3/13	1 U	0.01	**23.9**	0.247	1.9	0.02	1 U	0.006	**75**	0.571	1 U	0.016
	10/1/13	1 U	0.01	**31**	0.32	1 U	0.01	1 U	0.006	**75**	0.571	1 U	0.016
	10/18/13	1 U	0.01	**34.2**	0.353	0.7 J	0.007	1 U	0.006	**64.4**	0.49	1 U	0.016
	12/6/13	1 U	0.01	**13.4**	0.138	1 U	0.01	1 U	0.006	**38.3**	0.292	1 U	0.016
	3/26/14	1 U	0.01	**25.1**	0.259	0.56 J	0.006	1 U	0.006	**39.2**	0.298	1 U	0.016
	6/17/14	1 U	0.01	**15**	0.155	1 U	0.01	1 U	0.006	**53.3**	0.406	1 U	0.016
	8/19/14	1 U	0.01	**19.8**	0.204	1 U	0.01	1 U	0.006	**45.4**	0.346	1 U	0.016
	12/3/14	1 U	0.01	**15.2**	0.157	1 U	0.01	1 U	0.006	**32.8**	0.25	1 U	0.016
	3/11/15	1 U	0.01	**11.4**	0.118	1 U	0.01	1 U	0.006	**11.5**	0.088	1 U	0.016
	5/26/15	1 U	0.01	**16 J**	0.165	1 U	0.01	1 U	0.006	**50**	0.381	1 U	0.016
	8/24/15	1 U	0.01	**17.8**	0.184	1 U	0.01	1 U	0.006	**49.9**	0.38	1 U	0.016
	12/16/15	1 U	0.01	**8.6**	0.089	1 U	0.01	1 U	0.006	**34.6**	0.263	1 U	0.016
	4/13/16	1 U	0.01	**10.5**	0.108	1 U	0.01	1 U	0.006	**36.6**	0.279	1 U	0.016
	7/6/16	1 U	0.01	**13.2**	0.136	1 U	0.01	1 U	0.006	**56.1**	0.427	1 U	0.016
	9/26/16	1 U	0.01	**13.4 J**	0.138	1 U	0.01	0.45 J	0.003	**53.9**	0.41	1 U	0.016
	11/15/16	1 U	0.01	**8**	0.083	1 U	0.01	0.37 U	0.002	**34.2**	0.26	1 U	0.016
	3/30/17	1 U	0.01	**8.7**	0.09	1 U	0.01	1 U	0.006	**27.2**	0.207	1 U	0.016
	6/14/17	1 U	0.01	**14.5**	0.15	0.47 J	0.005	1 U	0.006	**39.9**	0.304	1 U	0.016
	9/27/17	1 U	0.01	**10.3**	0.106	1 U	0.01	1 U	0.006	**49**	0.373	1 U	0.016
	12/20/17	1 U	0.01	**13**	0.134	1 U	0.01	1 U	0.006	**31.4**	0.239	1 U	0.016
	3/21/18	1 U	0.01	**14.2**	0.146	0.4 J	0.004	1 U	0.006	**25.8**	0.196	1 U	0.016
	5/10/18	1 U	0.01	**9.4**	0.097	0.52 J	0.005	1 U	0.006	**38.7**	0.295	1 U	0.016
	8/29/18	1 U	0.01	**13.5**	0.139	1 U	0.01	1 U	0.006	**58.2**	0.443	1 U	0.016
	12/12/18	1 U	0.01	**6.7**	0.069	1 U	0.01	1 U	0.006	**23.6**	0.18	1 U	0.016
	3/8/19	1 U	0.01	**11.8**	0.122	1 U	0.01	1 U	0.006	**24.4**	0.186	1 U	0.016
	6/18/19	1 U	0.01	**7.3**	0.075	1 U	0.01	1 U	0.006	**32.2**	0.245	1 U	0.016
	9/17/19	1 U	0.01	**10.3**	0.106	1 U	0.01	1 U	0.006	**41**	0.312	1 U	0.016
	5/15/20	1 U	0.01	**7.3**	0.075	1 U	0.01	1 U	0.006	**32.8**	0.25	1 U	0.016
	8/13/20	1 U	0.01	**12.3**	0.127	1 U	0.01	1 U	0.006	**56.5**	0.43	1 U	0.016
	12/17/20	1 U	0.01	**6.9**	0.071	1 U	0.01	1 U	0.006	**30.6**	0.233	1 U	0.016
	3/24/21	1 U	0.01	**9**	0.093	1 U	0.01	1 U	0.006	**23.4**	0.178	1 U	0.016
	9/23/21	1 U	0.01	**15.9 J**	0.164	1 U	0.01	1 U	0.006	**19.5 J**	0.148	1 U	0.016
	12/16/21	1 U	0.01	**7.1**	0.073	1 U	0.01	1 U	0.006	**23.4**	0.178	1 U	0.016
	3/22/22	1 U	0.01	**13.2**	0.136	1 U	0.01	1 U	0.006	**22.2**	0.169	1 U	0.016
	9/20/22	1 U	0.01	**7.8**	0.08	1 U	0.01	1 U	0.006	**35.1**	0.267	1 U	0.016
	12/14/22	1 U	0.01	4.8	0.05	1 U	0.01	1 U	0.006	**24.1**	0.183	1 U	0.016
	4/21/23	1 U	0.01	**6.7**	0.069	1 U	0.01	1 U	0.006	**18**	0.137	1 U	0.016
	9/24/24	1 U	0.01	**14.3**	0.147	1 U	0.01	1 U	0.006	**29.7**	0.226	1 U	0.016
MW-40T	10/16/07	5 U	0.05	**62**	0.64	0.77 J	0.008	5 U	0.03	**15**	0.114	**11**	0.176
	1/3/15	**10.8**	0.11	**2,800**	28.88	**36.8**	0.38	1 U	0.006	**102**	0.776	**199**	3.184
	1/7/16	**7.6**	0.08	**1,650**	17.02	**18**	0.186	**5.4**	0.033	**183**	1.393	**21.3**	0.341
	4/19/23	**7.8**	0.08	**2,270**	23.41	**24.2**	0.25	1 U	0.006	**73.6**	0.56	**176**	2.816
	9/26/24	**8** J	0.08	**4,300**	44.35	**38.2**	0.394	10 U	0.06	10 U	0.076	**298**	4.768
MW-46-43C	8/17/17	50 U	0.52	**19,800**	204.2	**106**	1.093	50 U	0.302	**8,710**	66.3	**562**	8.992
	9/26/17	**30.3 J**	0.31	**17,900**	184.6	**112**	1.155	50 U	0.302	**7,900**	60.13	**589**	9.424
	12/19/17	**34.5**	0.36	**21,500**	221.8	**107**	1.104	25 U	0.151	**3,830**	29.15	**889**	14.22

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
	3/20/18	100 U	1.03	**16,200**	167.1	**96.5 J**	0.995	100 U	0.603	**8,470**	64.47	**987**	15.79
	5/8/18	**36.1 J**	0.37	**18,600**	191.9	**135**	1.392	50 U	0.302	**8,220**	62.57	**944**	15.1
	8/28/18	**41.1 J**	0.42	**29,700**	306.3	**173**	1.784	50 U	0.302	**9,900**	75.35	**1,260**	20.16
	12/12/18	100 U	1.03	**22,200**	229	**117**	1.207	100 U	0.603	**4,750**	36.15	**1,260**	20.16
	3/5/19	200 U	2.06	**24,200**	249.6	**155 J**	1.599	200 U	1.206	**6,720**	51.15	**1,250**	20
	6/19/19	**34.3**	0.35	**19,100**	197	**115**	1.186	25 U	0.151	**6,650**	50.62	**1,110**	17.76
	9/17/19	**52.8**	0.54	**25,700**	265.1	**148**	1.527	25 U	0.151	**5,140**	39.12	**1,740**	27.84
	12/10/19	**36.1 J**	0.37	**22,700**	234.1	**145**	1.496	50 U	0.302	**3,950**	30.07	**1,080**	17.28
	3/20/20	**38.1 J**	0.39	**22,300**	230	**136**	1.403	50 U	0.302	**5,340**	40.65	**1,490**	23.84
	5/13/20	100 U	1.03	**23,900**	246.5	**158 J**	1.63	100 U	0.603	**4,860 J**	36.99	**1,220 J**	19.52
	8/11/20	100 U	1.03	**25,200**	259.9	**143**	1.475	100 U	0.603	**4,140**	31.51	**1,650**	26.4
	12/17/20	**32.4 J**	0.33	**21,500**	221.8	**119**	1.227	50 U	0.302	**3,180**	24.2	**1,560**	24.96
	3/23/21	**37.7 J**	0.39	**25,200**	259.9	**115**	1.186	50 U	0.302	**4,370**	33.26	**1,590**	25.44
	6/22/21	39	0.4	**18,300 J**	188.8	**137 J**	1.413	25 U	0.151	**3,600 J**	27.4	**1,890 J**	30.24
	9/22/21	100 U	1.03	**6,740 J**	69.52	**85.1 J**	0.878	100 U	0.603	100 U	0.761	**13,400 J**	214.4
	12/14/21	20 U	0.21	**6,160**	63.54	**72.3**	0.746	20 U	0.121	20 U	0.152	**6,100**	97.6
	3/23/22	**22.5 J**	0.23	**13,000**	134.1	**99.5**	1.026	25 U	0.151	**144**	1.096	**5,670**	90.72
	6/15/22	100 U	1.03	**14,500**	149.6	**104**	1.073	100 U	0.603	**57.2 J**	0.435	**8,700**	139.2
	9/20/22	100 U	1.03	**14,600**	150.6	**112**	1.155	100 U	0.603	100 U	0.761	**8,960**	143.4
	12/13/22	100 U	1.03	**12,300**	126.9	**142**	1.465	100 U	0.603	100 U	0.761	**7,460**	119.4
	4/20/23	50 U	0.52	**11,900**	122.7	**124**	1.279	50 U	0.302	50 U	0.381	**7,560**	121
	9/19/23	50 U	0.52	**19,000**	196	**148**	1.527	50 U	0.302	50 U	0.381	**6,690**	107
	4/17/24	25 U	0.26	**7,800**	80.45	**59.9**	0.618	25 U	0.151	25 U	0.19	**4,340**	69.44
	9/25/24	50 U	0.52	**12,400**	127.9	**118**	1.217	50 U	0.302	50 U	0.381	**8,310**	133
MW-46-72C	8/17/17	100 U	1.03	**1,370**	14.13	100 U	1.031	**95.1 J**	0.574	**19,800**	150.7	100 U	1.6
	9/26/17	100 U	1.03	**3,160**	32.59	100 U	1.031	**95.2 J**	0.574	**17,900**	136.2	100 U	1.6
	12/19/17	**24.8**	0.26	**15,500**	159.9	**66.3**	0.684	**23.4**	0.141	**7,260**	55.26	**40.7**	0.651
	3/20/18	50 U	0.52	**11,600**	119.6	**46.8 J**	0.483	**43.1 J**	0.26	**9,660**	73.53	50 U	0.8
	5/8/18	**20.8 J**	0.21	**9,780**	100.9	**57.9**	0.597	**18.2 J**	0.11	**6,850**	52.14	**62.9**	1.006
	8/28/18	**24.2 J**	0.25	**14,200**	146.5	**100**	1.031	25 U	0.151	**8,810**	67.06	**276**	4.416
	12/12/18	**15.5 J**	0.16	**7,940**	81.9	**41.7**	0.43	25 U	0.151	**7,570**	57.62	**815**	13.04
	3/5/19	100 U	1.03	**8,630**	89.01	100 U	1.031	100 U	0.603	**19,300**	146.9	**220**	3.52
	6/19/19	**20.1 J**	0.21	**14,700**	151.6	**55.5**	0.572	25 U	0.151	**15,700**	119.5	**201**	3.216
	9/18/19	25 U	0.26	**4,720**	48.68	**30.5**	0.315	**25.2**	0.152	**12,800**	97.43	**108**	1.728
	12/10/19	**27.5**	0.28	**24,700**	254.8	**165**	1.702	**25.9**	0.156	**20,500**	156	**285**	4.56
	3/20/20	50 U	0.52	**14,500**	149.6	**54.6**	0.563	50 U	0.302	**23,400**	178.1	**87.1**	1.394
	5/13/20	**20.4** J	0.21	**9,740**	100.5	**58.7**	0.605	25 U	0.151	**14,500**	110.4	**87.6**	1.402
	8/12/20	200 U	2.06	**12,200**	125.8	200 U	2.063	200 U	1.206	**48,200**	366.9	200 U	3.2
	12/16/20	**18.4 J**	0.19	**13,000**	134.1	**50.1**	0.517	25 U	0.151	**3,750**	28.54	**178**	2.848
	3/24/21	20 U	0.21	**9,140**	94.28	**33.7**	0.348	20 U	0.121	**4,570**	34.78	**199**	3.184
	6/23/21	**18.6 J**	0.19	**12,900**	133.1	**39.3**	0.405	25 U	0.151	**2,460**	18.72	**820**	13.12
	9/21/21	50 U	0.52	**16,400 J**	169.2	**133 J**	1.372	50 U	0.302	**1,610** J	12.25	**4,940 J**	79.04
	12/16/21	**98 J**	1.01	**59,800**	616.8	**412**	4.25	100 U	0.603	**4,870**	37.07	**2,680**	42.88
	3/23/22	**82 J**	0.85	**51,300**	529.1	**291**	3.002	100 U	0.603	**4,280**	32.58	**2,150**	34.4
	6/15/22	100 U	1.03	**22,200**	229	**119**	1.227	100 U	0.603	**1,570**	11.95	**1,310**	20.96
	9/20/22	20 U	0.21	**11,200**	115.5	**42**	0.433	20 U	0.121	**1,090**	8.297	**964**	15.42
	12/13/22	20 U	0.21	**13,500**	139.2	**41.1**	0.424	20 U	0.121	**3,180**	24.2	**2,360**	37.76
	4/20/23	**7.9**	0.08	**3,740**	38.58	**23**	0.237	1 U	0.006	**128**	0.974	**1,870**	29.92
	9/19/23	**12.4 J**	0.13	**6,470**	66.74	**29.7**	0.306	20 U	0.121	**2,860**	21.77	**956**	15.3
	4/17/24	**28.1**	0.29	**9,530**	98.3	**39.4**	0.406	25 U	0.151	**3,970**	30.22	**1850**	29.6
	9/25/24	50 U	0.52	**6,020**	62.09	50 U	0.516	50 U	0.302	**6,830**	51.99	**160**	2.56
MW-50-160D	12/14/21	**7.5 J**	0.08	**5,010**	51.68	**27.5**	0.284	10 U	0.06	**117**	0.891	**1,300**	20.8
	3/23/22	25 U	0.26	**4,520**	46.62	**27.3**	0.282	25 U	0.151	**60.8**	0.463	**2,280**	36.48
	6/15/22	10 U	0.1	**2,600**	26.82	**15.5**	0.16	10 U	0.06	**49.5**	0.377	**785**	12.56
	9/20/22	10 U	0.1	**3,150**	32.49	**17.1**	0.176	10 U	0.06	**23**	0.175	**1,120**	17.92
	12/14/22	10 U	0.1	**2,910**	30.02	10 U	0.103	10 U	0.06	10 U	0.076	**1,040**	16.64
	4/17/23	3.2 J	0.03	**1,870**	19.29	**8.7**	0.09	5 U	0.03	**18.9**	0.144	**900**	14.4
	9/19/23	10 U	0.1	**2,930**	30.22	**6.4 J**	0.066	10 U	0.06	10 U	0.076	**1,010**	16.16
	4/17/24	4 U	0.04	**510**	5.26	**4.1**	0.042	4 U	0.024	4 U	0.03	**394**	6.304
	9/26/24	4.1 J	0.04	**2,440**	25.17	**8.6**	0.089	5 U	0.03	4.1 J	0.031	**1,250**	20
WSP-MW-04B	1/8/16	1.3	0.01	**345**	3.559	**55.8**	0.576	1 U	0.006	**110**	0.837	**46.7**	0.747
	4/18/23	1.8	0.02	**289**	2.981	**68.1**	0.702	1 U	0.006	**96.1**	0.731	**66.3**	1.061
LBA-MW-23	9/16/13	5 U	0.05	**8.3**	0.086	5 U	0.052	5 U	0.03	5 U	0.038	5 U	0.08
	1/8/16	1 U	0.01	**18.2**	0.188	1 U	0.01	1.7	0.01	1.1	0.008	1.4	0.022
	4/19/23	1 U	0.01	1.9	0.02	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	9/26/24	1 U	0.01	4	0.041	1 U	0.01	1 U	0.006	0.6 J	0.005	1 U	0.016
LBA-MW-34N	12/9/13	1 U	0.01	1 U	0.01	1 U	0.01	1 U	0.006	1 U	0.008	1 U	0.016
	12/22/13	1 U	0.01	**5.3**	0.055	1 U	0.01	1 U	0.006	2.3	0.018	1 U	0.016
	1/7/14	1 U	0.01	2.3	0.024	1 U	0.01	1 U	0.006	1.6	0.012	1 U	0.016
	7/23/14	0.98 J	0.01	**136**	1.403	1.5	0.015	1 U	0.006	**10.2**	0.078	**24.5**	0.392
	4/19/23	**6.7**	0.07	**766**	7.901	**12.1**	0.125	1 U	0.006	**18.1**	0.138	**463**	7.408
	9/26/24	1 U	0.01	**12.7**	0.131	2.2	0.023	1 U	0.006	1 U	0.008	**48.7**	0.779

Table 12

Historical Groundwater Sampling Results - CVOCs (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		PCE		TCE		VC	
	Evaluation Criteria (b)	5		5		5		5		5		2	
	Molecular Weight	96.94	µM	96.95	µM	96.95	µM	165.82	µM	131.38	µM	62.50	µM
LBA-MW-39	12/9/13	**58.7**	0.61	**20.4**	0.21	1 U	0.01	1 U	0.006	4.6	0.035	**7.4**	0.118
	4/15/14	**10**	0.1	3.9	0.04	1 U	0.01	1 U	0.006	1.3	0.01	1 U	0.016
	1/19/16	**30.6**	0.32	**11.9**	0.123	1 U	0.01	1 U	0.006	2.6	0.02	**3.6**	0.058
	9/25/24	**9.5**	0.1	**9.4**	0.097	1 U	0.01	1 U	0.006	1.8	0.014	**4.7**	0.075

(a) All results are in micrograms per liter (ug/l); 1,1-Dichloroethene = 1,1-DCE; cis-1,2-Dichloroethene = cis-1,2-DCE; trans-1,2-Dichloroethene = trans-1,2-DCE; Tetrachloroethene = PCE; Trichloroethene = TCE; Vinyl Chloride = VC

(b) Concentrations in bold text exceed evaluation criteria. Evaluation criteria are the New York State Ambient Water Quality Standards or Guidance Values for Class GA groundwater provided in the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1), dated June 1998, and the April 2000 Addendum.

Table 13

Historical Groundwater Sampling Results - Barium and Cyanide (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	Barium	Cyanide
Evaluation Criteria (b):		1,000 ug/l	0.2 mg/l
MW-31B	11/4/15	43.4 B	--
	11/4/15 (b)	44.3 B	--
	1/6/16	56.6	--
	4/18/23	80.1 J	--
	9/24/24	80.1 J	--
MW-44T	6/16/16	**2,380** (c)	--
	6/16/2016	**2,370** (c,d)	--
	12/19/16	**2,850**	--
	12/19/16	**2,820** (e)	--
	4/17/23	**1,860**	0.019
	9/25/24	**3,090** (d)	0.033
WSP-MW-04B	1/8/16	--	**0.60**
	4/18/23	322	**0.38**
	9/25/24	252	**0.65**
WSP-MW-06C	1/7/16	**4,650**	0.10
	10/16/19	--	0.04
	4/18/23	**5,760**	--
	9/25/24	**5,940**	--
WSP-MW-08B	9/26/24	--	0.039 (f)
LBA-MW-08	9/10/13	760	**8.0**
	7/23/14	--	**8.4**
	10/17/19	--	**7.4**
	4/20/23	--	**4.1**
	9/26/24	--	**7.8**
LBA-MW-13	9/11/13	150	**1.3**
	1/18/16	--	**1.6**
LBA-MW-18	9/13/13	**3,700**	**0.57**
	8/11/14	**5,710**	**0.62**
	4/19/23	**2,520**	--
	9/26/24	**3,580**	--
LBA-MW-19	11/26/13	180	**0.31**
MW-19B	12/27/23	--	**91.2**
	1/12/24		**101**
	4/23/24		**8.61**
	9/26/24	--	**22.7**
LBA-MW-26	9/14/13	**8,600**	0.053
	1/6/16	**3,420**	--
	1/6/16	**2,980** (d)	--
	10/15/19	--	0.13
	4/19/23	**1,680**	--
	9/25/24	**1,650**	--

Table 13

Historical Groundwater Sampling Results - Barium and Cyanide (ISMP Wells Only)
Former Emerson Power Transmission
Ithaca, New York (a)

Well ID	Date	Barium	Cyanide
Evaluation Criteria (b):		1,000 ug/l	0.2 mg/l
LBA-MW-30	9/14/13	**1,300**	0.11
	1/7/16	**1,350**	--
	4/18/23	487	0.061
	9/24/24	217	**0.21**
LBA-MW-34N	12/22/13	**6,150**	--
	7/23/14	**9,110**	--
	1/5/16	**8,110**	--
	4/19/23	**1,850**	--
	9/26/24	**1,540**	--
LBA-MW-35	1/16/14	**4,730**	**0.60**
	7/23/14	**4,680**	**0.40**
	1/5/16	**2,120**	--
	4/19/23	**2,950**	**0.24**
	9/26/24	**4,130**	**0.32**
LBA-MW-39	1/15/14	936	0.18
	10/15/19	--	**0.22**
	4/19/23	228	0.18
	9/25/24	--	**0.38**
LBA-MW-43N	1/15/14	699	**2.60**
	10/16/19	--	**1.80**
	4/20/23	--	**0.53**
	9/25/24	--	**1.7**
LBA-MW-43S	1/15/14	**6,230**	**0.38**
	1/5/16	**6,510**	--
	10/16/19	--	**0.23**
	4/20/23	**6,180**	**0.40**
	9/25/24	**6,100**	**0.60**

a/ -- = well not sampled for analyte; J, B = estimated concentration below reporting limit but above method detection limit; all results are total concentrations unless otherwise noted.

b/ Concentrations in bold text exceed evaluation criteria. Evaluation criteria are the New York State Ambient Water Quality Standards or Guidance Values for Class GA groundwater provided in the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1), dated June 1998, and the April 2000 Addendum.

c/ Elevated barium was believed to be due to high sample turbidity (i.e., > 100 NTUs). Data for confirmatory dissolved aliquots collected in December 2016 indicated dissolved barium is present in groundwater at elevated concentrations.

d/ Duplicate sample

e/ Dissolved concentration

f/ LBA-MW-13 was found damaged in April 2023 and thus not sampled during the Revised Site-Wide Groundwater Monitoring Program; WSP-MW-08B was added as replacement.

Table 14

SPDES Permit Equivalent Discharge Results - Outfall 01A
Emerson Electric Co.
Ithaca, New York

Parameter	Units (a)	Discharge Limit (b)	Outfall 01A (c)											
			01/24/24	02/12/24	03/07/24	04/15/24	05/16/24	06/17/24	07/09/24	08/15/24	09/12/24	10/29/24	11/11/24	12/04/24
Flow	GPD	Monitor	**13,104 (d); 855 (e)**	**15,696 (d); 948 (e)**	**12,816 (d); 469 (e)**	**14,112 (d); 761 (e)**	**13,824 (d); 637 (e)**	**12,528 (d); 494 (e)**	**12,384 (d); 465 (e)**	**12,614 (d); 488 (e)**	**12,096 (d); 391 (e)**	**9,792 (d); 307 (e)**	**10,656 (d); 308 (e)**	**10,944 (d); 474 (e)**
pH (range)	SU	6.5 - 8.5	**8.0**	**7.8**	**7.9**	**7.9**	**7.7**	**7.8**	**7.7**	**8.1**	**8.0**	**8.0**	**8.0**	**8.2**
Temperature	deg F	Monitor	**59.4**	**61.7**	**68.0**	**70.2**	**78.8**	**76.3**	**81.0**	**85.5**	**73.8**	**70.7**	**67.1**	**60.8**
Tetrachloroethene	µg/l	1	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)
Trichloroethene	µg/l	10	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Sum of Dichlorobenzenes	µg/l	10	ND (1.91)	ND (1.91)	ND (1.91)	ND (1.91)	ND (1.91)	ND (1.91)	ND (1.91)	ND (1.91)	ND (1.91)	ND (1.91)	ND (1.91)	ND (1.91)
Bromoform	µg/l	10	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Chlorobenzene	µg/l	5	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)	ND (0.87)
Chlorodibromomethane	µg/l	10	ND (0.98)	ND (0.98)	ND (0.98)	ND (0.98)	ND (0.98)	ND (0.98)	ND (0.98)	ND (0.98)	ND (0.98)	ND (0.98)	ND (0.98)	ND (0.98)
Chloroform	µg/l	10	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Free Cyanide	µg/l	Monitor (f)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (0.8)	ND (0.8)
Dichlorobromomethane	µg/l	10	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)
1,1-Dichloroethane	µg/l	10	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,1-Dichloroethene	µg/l	10	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
Methylene chloride	µg/l	10	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.80)	ND (0.80)	ND (0.80)
1,1,2,2-Tetrachloroethane	µg/l	10	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
Toluene	µg/l	50	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)
trans-1,2-Dichloroethene	µg/l	10	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)
cis-1,2-Dichloroethene	µg/l	10	**2.4**	**3.1**	**3.1**	**4.1**	**5.3**	**3.5**	**4.7**	**2.5**	**4.1**	**4.0**	**3.6**	**2.7**
1,1,1-Trichloroethene	µg/l	10	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Xylenes, total	µg/l	10	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)
Vinyl chloride	µg/l	10	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)
Benzene	µg/l	1	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)

Bold value is a detected concentration or measurement.

a/ GPD = gallons per day; SU = standard units; deg F = degrees Fahrenheit; µg/1= micrograms per liter.

b/ Discharge limit specified in Emerson Electric Co. Project Site Remediation Wastewater Discharge SPDES Permit Equivalent, dated August 1, 2022, DER Site ID# 7-55-010, and modified on October 11, 2024.

c/ ND = not detected above method detection limit provided in parentheses.

d/ Estimated maximum flow rate during a batch discharge of the groundwater treatment system.
Because the discharge is not continuous, the actual maximum daily flow rate would be less than this value.

e/ Estimated average flow based on totalizer readings.

f/ Per Footnote 1 of SPDES Permit Equivalent, an interim limit of Monitor Only shall apply for free cyanide from August 1, 2022, until July 31, 2025. The water quality-based effluent limit of 5.2 mg/l Monthly Average and 22 mg/l Daily Maximum for free cyanide will become effective on August 1, 2025.

Table 15

SPDES Permit Equivalent Discharge Results - Outfall 001
Emerson Electric Co.
Ithaca, New York

Parameter	Units (a)	Discharge Limit (b)	Outfall 001 (c)												
			01/24/24	02/12/24	03/07/24	04/15/24	05/16/24	06/17/24	07/09/24	08/15/24	08/15/24	08/20/24	09/12/24	10/29/24	11/11/24	12/04/24
Flow (d)	GPD	Monitor	**36,369**	**32,369**	**24,099**	**29,857**	**14,722**	**19,065**	**11,033**	**11,033**	NA	NA	**12,096**	**29,857**	**14,722**	**11,033**
pH (range)	SU	6.5 - 8.5	**7.9**	**8.1**	**8.3**	**8.3**	**8.1**	**7.9**	**8.2**	**8.7**	**8.2**	**8.3**	**8.1**	**8.2**	**8.1**	**8.1**
Total Barium	µg/l	Monitor	NA	NA	**75.6 J**	NA	NA	**173 J**	NA	NA	NA	NA	**130 J**	NA	NA	**139 J**
Total Lead	µg/l	7.4	ND (2.4)	ND (2.4)	**3.0**	ND (2.4)	ND (1.8)	ND (2.4)	ND (2.4)	ND (2.4)	NA	NA	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)
Mercury	ng/l	Monitor	NA	NA	ND (0.15)	NA	NA	**0.22 J**	NA	NA	NA	NA	**2.0**	NA	NA	**1.4**
Tetrachloroethene	µg/l	1	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	NA	NA	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)
Trichloroethene	µg/l	10	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	NA	NA	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Free Cyanide	µg/l	Monitor (e)	NA	NA	ND (3)	NA	NA	ND (3)	NA	NA	NA	NA	ND (3)	NA	NA	ND (0.8)

Bold value is a detected concentration or measurement.
Orange highlighted value exceeds discharge limit.

a/ GPD = gallons per day; SU = standard units; µg/1= micrograms per liter; ng/l = nanograms per liter.

b/ Discharge limit specified in Emerson Electric Co. Project Site Remediation Wastewater Discharge SPDES Permit Equivalent, dated August 1, 2022, DER Site ID# 7-55-010, and modified on October 11, 2024.

c/ ND = not detected above method detection limit provided in parentheses; J = estimated concentration; NA = not analyzed for this parameter. (If a duplicate sample was collected, the higher of the two concentrations is reported.)

d/ Estimated based on field measurement and V-notch (triangular) weir calculator (https://www.lmnoeng.com/Weirs/vweir.php).

e/ Per Footnote 1 of SPDES Permit Equivalent, an interim limit of Monitor Only shall apply for free cyanide from August 1, 2022, until July 31, 2025. The water quality-based effluent limit of 5.2 µg/l Monthly Average and 22 µg/l Daily Maximum for free cyanide will become effective on August 1, 2025.

Table 16

SPDES Permit Equivalent Discharge Results - Outfall 009
Emerson Electric Co.
Ithaca, New York

Parameter	Units (a)	Discharge Limit (b)	Outfall 009 (c) (d)		
			03/07/24	06/17/24	09/12/24
Free Cyanide	µg/l	Monitor (e)	ND (3)	ND (3)	ND (3)

a/ µg/1= micrograms per liter.

b/ Discharge limit specified in Emerson Electric Co. Project Site Remediation Wastewater Discharge SPDES Permit Equivalent, dated August 1, 2022, DER Site ID# 7-55-010.

c/ ND = not detected above method detection limit provided in parentheses.

d/ The requirement of collecting quarterly samples from Outfall 009 was removed from the modified SPDES permit equivalent, issued on October 11, 2024, and therefore, Outfall 009 was not sampled in the fourth quarter of 2024.

e/ Per Footnote 1 of SPDES Permit Equivalent, an interim limit of Monitor Only shall apply from August 1, 2022, until July 31, 2025. The water quality-based effluent limit of 5.2 µg/l Monthly Average and 22 µg/l Daily Maximum for Cyanide will become effective on August 1, 2025.

APPENDIX

A ENVIRONMENTAL EASEMENT

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 11th day of October, 2022 between Owner, Emersub 15 LLC, having an office at c/o Emerson Electric Co., 800 West Florissant Avenue, St. Louis, County of St. Louis, State of Missouri (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 620-640 Aurora Street South in the Town of Ithaca, County of Tompkins and State of New York, known and designated on the tax map of the County Clerk of Tompkins as tax map parcel number: Section 106 Block 1 Lot 8.2, being a portion of the property conveyed to Grantor by deed dated December 2, 2014 and recorded in the Tompkins County Clerk's Office in Instrument No. 2014-14695.

WHEREAS, Grantor, is the owner of real property located at the address of V/L South Aurora Street in the Town of Ithaca, County of Tompkins and State of New York, known and designated on the tax map of the County Clerk of Tompkins as tax map parcel number: Section 106 Block 1 Lot 8.1, being a portion of the property conveyed to Grantor by deed dated December 2, 2014 and recorded in the Tompkins County Clerk's Office in Instrument No. 2014-14695.

WHEREAS, Grantor, is the owner of real property located at the address of 810 Danbury Road in the City of Ithaca, County of Tompkins and State of New York, known and designated on

the tax map of the County Clerk of Tompkins as tax map parcel number: Section 40 Block 3 Lot 3, being a portion of the property conveyed to Grantor by deed dated December 2, 2014 and recorded in the Tompkins County Clerk's Office in Instrument No. 2014-14695.

WHEREAS, Grantor, is the owner of real property located at the address of Portion of Stone Quarry Road in the City of Ithaca, County of Tompkins and State of New York, known and designated on the tax map of the County Clerk of Tompkins as tax map parcel number: Section 40 Block 3 Lot 14.2, being a portion of the property conveyed to Grantor by deed dated December 2, 2014 and recorded in the Tompkins County Clerk's Office in Instrument No. 2014-14695.

WHEREAS, the property subject to this Environmental Easement (the "Controlled Property") comprises approximately 61.54 +/- acres, and is hereinafter more fully described in the Land Title Survey dated August 5, 2021 and last revised on August 11, 2022 prepared by Fagan Engineers & Land Surveyors PC (Mark E. Flora, License No. 051097), which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index Number: A7-0125-87-09, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) A 52.4-acre +/- portion of the Controlled Property, as described in Schedule B, may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii),

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv);

(2) A 7.16-acre +/- portion of the Controlled Property, as described in Schedule C, may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv);

(3) A 2.00-acre +/- portion of the Controlled Property, as described in Schedule D, may be used for:

Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv);

(4) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(5) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(6) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Tompkins County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(7) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(8) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(9) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(10) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(11) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(12) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The 52.4-acre +/- portion of the Controlled Property described in Schedule B shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The 7.16-acre +/- portion of the Controlled Property described in Schedule C shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

D. The 2.00-acre +/- portion of the Controlled Property described in Schedule D shall not be used for Residential, Restricted Residential or Commercial purposes as defined in 6NYCRR 375-1.8(g)(i), (ii) and (iii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

E. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

F. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

G. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

H. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

I. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: 755010
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property

Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

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IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Emersub 15 LLC:

By: Stph L. C

Print Name: Stephen L. Clarke

Title: President Date: 9/20/2022

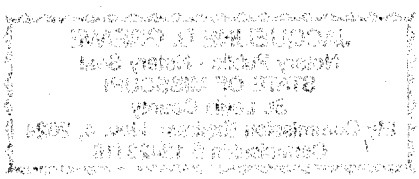
Grantor's Acknowledgment

STATE OF ~~NEW YORK~~ Missouri)
) ss:
COUNTY OF St. Louis)

On the 20th day of September in the year 2022, before me, the undersigned, personally appeared ~~Stephen L.~~ Clarke, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Jacqueline D. Greiwe
Notary Public - State of ~~New York~~ Missouri

JACQUELINE D. GREIWE
Notary Public - Notary Seal
STATE OF MISSOURI
St. Louis County
My Commission Expires: Nov. 4, 2024
Commission # 12423116



THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Andrew O. Guglielmi, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 11th day of October, in the year 2022 before me, the undersigned, personally appeared Andrew O. Guglielmi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

JENNIFER ANDALORO
Notary Public, State of New York
No. 02AN6098246
Qualified in Albany County
Commission Expires January 14, 2024

SCHEDULE "A" PROPERTY DESCRIPTION

All that tract or parcel of land, situate in the City and Town of Ithaca, County of Tompkins and State of New York, and being more particularly described as follows:

Beginning at the point of commencement at a point of the westerly line of lands of Frederick Beck, now or formerly, recorded in Tompkins County Clerk's Office in Book 840 and Page 334 of Deeds, said point being S 25°44'04" W a distance of 22.12' from the northwest corner of said lands;

THENCE following a centerline of a stream the following courses and distances.

S 75°53'05" W, 14.63 feet.
S 50°27'19" W, 37.02 feet.
S 58°52'40" W, 35.64 feet .
S 55°05'39" W, 31.38 feet.
S 61°42'00" W, 33.54 feet.
S 61°29'57" W, 84.94 feet.
S 56°30'06" W, 37.21 feet.
S 53°39'00" W, 48.73 feet.
S 55°58'58" W, 68.03 feet.
S 56°27'17" W, 48.08 feet.
S 59°36'59" W, 111.35 feet.
S 40°36'49" W, 24.76 feet.
S 72°37'22" W, 33.42 feet.
S 64°26'19" W, 33.35 feet.
S 69°13'58" W, 43.85 feet.
S 80°06'26" W, 43.31 feet.
N 80°11'22" W, 16.75 feet.
N 80°14'46" W, 52.83 feet.
N 57°58'51" W, 42.44 feet.
N 42°52'42" W, 41.41 feet.
N 36°34'25" W, 31.01 feet.
N 48°20'45" W, 16.75 feet.
N 76°30'43" W, 36.62 feet.
N 36°32'08" W, 33.22 feet.
N 05°36'15" W, 39.19 feet.
N 17°34'38" W, 42.13 feet.
N 12°26'27" W, 26.18 feet.
N 67°48'26" W, 27.63 feet.
N 69°06'25" W, 37.80 feet.
N 55°02'28" W, 33.46 feet.
N 49°31'27" W, 19.92 feet.
N 44°16'01" W, 25.01 feet.

THENCE along a curve to the right with a length of 21.31', a radius of 5102.88', a chord bearing of s 43°35'41.94" W and a chord length of 21.31' to a point;

THENCE along a curve to the right with a length of 471.36', a radius of 3547.44', a chord

bearing of S 47°31'16.01" W and a chord length of 471.01' to a point;

THENCE S 51°35'30" W, 436.97' to a point;

THENCE S 51°30'23" W, 306.88' to a point;

THENCE along a curve to the right with a length of 300.22', a radius of 2064.25', a chord bearing of S 55°40'44.41" W and a chord length of 299.96' to a point;

THENCE S 59°15'37" W, 173.94' to a point;

THENCE along the northern boundary of Stone Quarry Road the following courses and distances;

N 47°12'29" E, 60.51'
N 29°26'06" E, 52.69'
N 24°48'25" E, 43.66'

THENCE N 59°15'37" E, 56.57' to a point;

THENCE along a curve to the left with a length of 267.50', a radius of 1766.95', a chord bearing of N 54°55'24.27" E and a chord length of 267.24' to a point;

THENCE N 51°30'47" E, 743.49' to a concrete monument found;

THENCE along a curve to the left with a length of 462.53', a radius of 3261.76', a chord bearing of N 47°26'35.50" E and a chord length of 462.14' to a point;

THENCE along a curve to the left with a length of 38.95', a radius of 5635.72', a chord bearing of N 43°23'29.53" E and a chord length of 38.95' to a point;

THENCE on a curve to the left having a radius of 5635.72 feet and a length of 592.67 feet and a chord of N 40°10'19.18" E, 592.40 feet to a monument found.

THENCE N 37°06'36" E, 641.31' to a monument found;

THENCE N19°17'24" W, 427.60' to an iron pin found;

THENCE N 28°25'19" E, along the southeasterly road boundary of West Spencer Street a distance of 542.73' to a point;

THENCE S 60°31'42" E, a distance of 123.00' to an iron pin found;

THENCE N.29°28'18"E., a distance of 50.00 feet to an existing iron pipe;

THENCE N.60°31'42"W., a distance of 1.30 feet to a point;

THENCE N.29°28'18"E., a distance of 60.00 feet to an existing iron pipe;

THENCE N.20°16'18"E., a distance of 22.00 feet to a point;

THENCE S.58°01'42"E., a distance of 136.72 feet to its intersection with the westerly road boundary of South Cayuga Street;

THENCE S.01°44'18"E., along said westerly road boundary of South Cayuga Street, a distance of 118.54 feet to an existing iron pipe;

THENCE S.37°19'45"W., a distance of 318.10 feet to an existing iron pipe;

THENCE S.52°40'15"E., a distance of 131.48 feet to its intersection of said northeasterly line of said former Lehigh Valley Railroad;

THENCE N.37°10'20"E., along said northeasterly line of said former Lehigh Valley Railroad, a distance of 42.66 feet to an existing iron pipe at a point of curvature;

THENCE northeasterly, along a curve to the right, having a radius of 2187.09 feet an arc distance of 157.02 and a chord bearing of N 39°13'44" E, 156.99 feet to a point;

THENCE northeasterly, along a curve to the right, having a radius of 2187.09 feet an arc distance of 25.06 feet and a chord bearing of N 41°37'15.49" E, 25.06 feet to a point;

THENCE N.01°12'09"W., a distance of 279.41 feet to a point;

THENCE N.59°22'08"E., a distance of 142.00 feet to an existing iron pipe;

THENCE N.40°16'41"W., a distance of 47.38 feet to a point of curvature along the southeasterly road boundary of South Hill Terrace;

THENCE northeasterly, along a curve to the left, having a radius of 257.27 feet an arc distance of 84.00 feet and a chord bearing and distance of N35°37'08.35"E., 83.63 feet to a point;

THENCE S.68°10'44"E., a distance of 89.62 feet to a point;

THENCE N.36°10'17"E., a distance of 50.00 feet to a point;

THENCE N.67°17'10"W., a distance of 100.00 feet to its intersection with said southeasterly line of South Hill Terrace;

THENCE N.22°53'08"E., along said southeasterly road boundary of South Hill Terrace, a distance of 50.00 feet to an iron pipe;

THENCE S.67°06'52"E., a distance of 128.38 feet to a point;

THENCE N.01°05'38"E., a distance of 106.32 feet to a point;

THENCE N.88°14'20"E., a distance of 23.66 feet to a point;

THENCE N.22°35'04"E., a distance of 64.09 feet to a point;

THENCE N.87°40'07"E., a distance of 160.94 feet to its intersection with the westerly road boundary of Turner Place;

THENCE S.02°19'41"E., along said easterly road boundary of Turner Place, a distance of 214.20 feet to its intersection with said northeasterly line of said former Lehigh Valley Railroad;

THENCE N.50°10'21"E., along said northeasterly line of said former Lehigh Valley Railroad, a distance of 305.02 feet to an existing iron pipe;

THENCE N.82°08'58"E., a distance of 7.60 feet to an existing iron pipe;

THENCE N.00°00'04"W., a distance of 7.00 feet to an existing iron pipe;

THENCE N.53°53'26"E., continuing along said northeasterly line of said former Lehigh Valley Railroad, a distance of 13.44 feet to a point of curvature;

THENCE northeasterly, along a curve to the right, having a radius of 1825.61 feet an arc distance of 167.10 and a chord bearing and distance of N52°48'04.85"E., 167.04 feet to an existing railroad monument;

THENCE northeasterly, along a curve to the right, having a radius of 14500.77 feet an arc distance of 139.18 feet and a chord bearing and distance of N.58°10'52.85"E., 139.18 feet to a point of compound curvature;

THENCE northeasterly, along a curve to the right, having a radius of 411.32 feet an arc distance of 46.08' and a chord bearing and distance of N.61°39'26.85"E.,46.06' to a concrete monument found on the westerly road boundary of South Aurora Street (New York State Route 96B);

THENCE S.02°51'33"E., along said westerly road boundary of South Aurora Street, a distance of 72.42 feet to an angle point;

THENCE S.02°02'26"E., continuing along said westerly road boundary of South Aurora Street, a distance of 204.12 feet to a point of curvature;

THENCE southwesterly, along a curve to the right, having a radius of 370.00 feet an arc distance of 177.34 feet and a chord bearing and distance of S.11°41'25.81"W., 175.65 feet;

THENCE S.25°25'18"W., continuing along said westerly road boundary of South Aurora Street, a distance of 295.74 feet to an existing iron pipe;

THENCE N.63°50'28"W., a distance of 100.00 feet to a point;

THENCE S.26°09'32"W., a distance of 413.00 feet to a point;

THENCE S.74°58'28"E., a distance of 101.00 feet to its intersection said westerly road boundary of South Aurora Street;

THENCE S.26°09'32"W., along said westerly road boundary of South Aurora Street, a distance of 28.00 feet to a point;

THENCE N.63°54'22"W., a distance of 32.40 feet to an existing iron pipe,

THENCE N.85°05'42"W., a distance of 72.17 feet to an existing iron pipe;

THENCE S.26°54'14"W., a distance of 161.60 feet to an existing iron pipe;

THENCE S.03°30'29"E., a distance of 35.30 feet to an existing iron pipe;

THENCE S.84°53'19"E., a distance of 89.00 feet to its intersection with said westerly road boundary of South Aurora Street;

THENCE S.26°42'55"W., along said westerly road boundary of South Aurora Street, a distance of 48.00 feet to an angle point;

THENCE S.31°44'06"W., continuing along said westerly road boundary of South Aurora Street, a distance of 122.19 feet to the northeasterly corner of New York State Appropriation of State Highway 5043, Map No. 6, Parcel No. 6; thence westerly and southwesterly along said New York State Appropriation of State Highway 5043, Map No. 6, Parcel No. 6 the following courses and distances;

N.63°58'34"W., a distance of 17.00 feet to a point;
S.31°44'04"W., a distance of 100.50 to an angle point;
S.26°01'26"W., a distance of 600.13 feet to an angle point;
S.25°46'26"W., a distance of 483.13 feet to an existing granite monument;

THENCE N.64°11'56"W., a distance of 173.40 feet to a point;

THENCE S 25°44'04", 22.12 ' to the POINT OF BEGINNING and containing 61.56 acres of land.

SCHEDULE "B" – RESTRICTED RESIDENTIAL USE EASEMENT AREA

All that tract or parcel of land, situate in the City and Town of Ithaca, County of Tompkins, and State of New York, and being more particularly described as follows:

Beginning at the Point of Beginning (P.O.B), at the northerly most point of the parcel, along the western Right of Way line of NYS Route 96B (also known as South Aurora Street), said point being 30.16 feet south of the southern Right of Way line of Hillview Place;

THENCE following along the western Right of Way line of NYS Route 96B - South Aurora Street the following courses and distances.

S 2°51'33" E, 72.42';
S 2°02'26" E, 204.12';

Along a curve to the right with a length of 177.34', a radius of 370.00', a chord direction of S 11°41'25.81" W and a chord length of 175.65';

S 25°25'18" W, 295.74' to an iron pin found;

THENCE N 63°50'28" W, 100.00' to a point on the north-westerly corner of Tax Map Parcel 106-1-10;

THENCE S 26°09'32" W, 413.00' to a point on the south-westerly corner of Tax Map Parcel 106-1-15;

THENCE S 74°58'28" E, 101.00' to a point on the western Right of Way line of South Aurora Street and the south-easterly corner of Tax Map Parcel 106-1-15;

THENCE S 26°09'32" W, 28.00' along the western Right of Way line of South Aurora Street to a point on the north-easterly corner of Tax Map Parcel 106-1-16;

THENCE N 63°54'22" W, 32.40' to an iron pin found on the northern line of Tax Map Parcel 106-1-16; THENCE N 85°05'42" W, 72.17' to an iron pin found on the north-westerly corner of Tax Map Parcel 106-1-16;

THENCE S 26°54'14" W, 161.60' to an iron pin found on the western line of Tax Map Parcel 106-1-17;

THENCE S 3°30'29" E, 35.30' to an iron pin found on the south-western corner of Tax Map Parcel 106-1-17;

THENCE S 84°53'19" E, 89.00' to a point on the western Right of Way line of South Aurora Street and the south-eastern corner of Tax Map Parcel 106-1-17;

THENCE following along the western Right of Way line of NYS Route 96B – South Aurora Street the following courses and distances.

S 26°42'55 W, 48.00';
S 31°44'06" W, 122.19';

N 63°58'34" W, 17.00';
S 31°44'04" W, 100.50';
S 26°01'26" W, 600.13';
S 25°46'26" W, 483.13' to a granite monument found on the northern line of Tax Map Parcel 40-3-5;

THENCE N 64°11'56" W, 173.40' to a point on the northwest corner of Tax Map Parcel 40-3-5;

THENCE S 25°44'04" W, 22.12' to a point in the centerline of a stream on the western line of Tax Map Parcel 40-3-5;

THENCE along the centerline of the stream the following courses and distances.
S 75°53'05" W, 14.63' S 50°27'19" W, 37.02' S 58°52'40" W, 35.64' S 55°05'39" W, 31.38' S 61°42'00" W, 33.54' S 61°29'57" W, 84.94' S 56°30'06" W, 37.21' S 53°39'00" W, 48.73' S 55°58'58" W, 68.03' S 56°27'17" W, 48.08' S 59°36'59" W, 111.35' S 40°36'49" W, 24.76' S 72°37'22" W, 33.42' S 64°26'19" W, 33.35' S 69°13'58" W, 43.85' S 80°06'26" W, 43.31' N 80°11'22" W, 16.75'
N 80°14'46" W, 52.83' to a point in the centerline of the stream and on the northern line of Tax Map Parcel 40-3-3;

THENCE N 40°45'51" E, 40.21' to a point;

THENCE N 40°45'51" E, 38.05' to a point;

THENCE N 32°10'19" E, 548.74' to a point;

THENCE N 33°03'51" E, 612.29' to a point;

THENCE N 37°58'00" E, 110.15' to a point;

THENCE N 62°51'24" W, 273.76' to a point;

THENCE S 37°33'17" W, 173.78' to a point;

THENCE S 33°28'44" W, 458.06' to a point;

THENCE S 43°21.04 W, 610.49' to a point in the centerline of a stream and the northern line of Tax Map Parcel 40-3-3;

THENCE N 44°16'01" W, 25.01' along the centerline of a stream to a point;

THENCE along a curve to the right with a length of 21.31', a radius of 5102.88', a chord bearing of s 43°35'41.94" W and a chord length of 21.31' to a point;

THENCE along a curve to the right with a length of 471.36', a radius of 3547.44', a chord bearing of S 47°31'16.01" W and a chord length of 471.01' to a point;

THENCE S 51°35'30" W, 436.97' to a point;

THENCE S 51°30'23" W, 306.88' to a point;

THENCE along a curve to the right with a length of 300.22', a radius of 2064.25', a chord bearing of S 55°40'44.41" W and a chord length of 299.96' to a point;

THENCE S 59°15'37" W, 173.94' to a point;

THENCE along the northern boundary of Stone Quarry Road the following courses and distances;

N 47°12'29" E, 60.51'
N 29°26'06" E, 52.69'
N 24°48'25" E, 43.66'

THENCE N 59°15'37" E, 56.57' to a point;

THENCE along a curve to the left with a length of 267.50', a radius of 1766.95', a chord bearing of N 54°55'24.27" E and a chord length of 267.24' to a point;

THENCE N 51°30'47" E, 743.49' to a concrete monument found;

THENCE along a curve to the left with a length of 462.53', a radius of 3261.76', a chord bearing of N 47°26'35.50" E and a chord length of 462.14' to a point;

THENCE along a curve to the left with a length of 38.95', a radius of 5635.72', a chord bearing of N 43°23'29.53" E and a chord length of 38.95' to a point;

THENCE along a curve to the left with a length of 592.67', a radius of 5635.72' a chord bearing of N 40°10'19.18" E and a chord length of 592.40' to a concrete monument found on the southeastern line of Tax map Parcel 116-2-7;

THENCE N 37°06'36" E, 641.31' to an iron pin found on the eastern corner of Tax Map Parcel 105-8-1;

THENCE N 19°17'24" W, 427.60' to an iron pin found on the northern corner of Tax Map Parcel 105-8-1 and the eastern Right of Way line of West Spencer Street;

THENCE N 28°25'19" E, 542.73' along the eastern Right of Way line of West Spencer Street to a point; THENCE S 60°31'42" E, 123.00' to an iron pin found on the southern corner of Tax Map Parcel 93-7-7;

THENCE N 29°28'18" E, 50.00' to an iron pipe found;

THENCE N 60°31'42" W, 1.30' to a point;

THENCE N 29°28'18" E, 60.00' to an iron pipe found on the north-easterly corner of Tax Map Parcel 93-7-7;

THENCE N 20°16'18" E, 22.00' to a point on the south-western corner of Tax Map Parcel 106-1-2;

THENCE S 58°01'42" E, 136.72' to a point on the south-eastern corner of Tax Map Parcel 106-

1-2 and the western Right of Way line of South Cayuga Street;

THENCE S 1°44'18" E, 118.54' to an iron pin found on the western Right of Way line of South Cayuga Street;

THENCE S 37°19'45" W, 318.10' to an iron pin found on the western corner of lands now or formerly owned by New York State Electric & Gas and containing an electric power substation;

THENCE S 52°40'15" E, 131.48' to an iron pin found on the western corner of lands now or formerly owned by New York State Electric & Gas and containing an electric power substation;

THENCE N 37°10'20" E, 42.66' to a point;

THENCE along a curve to the right with a length of 157.02', a radius of 2187.09', a chord bearing of N 39°13'44" E and a chord length of 156.99' to a point;

THENCE continuing on a curve to the right with a length of 25.06', a radius of 2187.09', a chord bearing of N 41°37'15.49" E and a chord length of 25.06' to a point;

THENCE N 1°12'09" W, 279.41' to an iron pin found on the southern corner of Tax Map Parcel 106-1-7;

THENCE N 59°22'08" E, 142.00' to an iron pin found on the eastern corner of Tax Map Parcel 106-1-7;

THENCE N 40°16'41" W, 47.38' to an iron pin found on the northern corner of Tax Map Parcel 106-1-7 and the eastern Right of Way of South Hill Terrace;

THENCE along a curve to the left, and the eastern Right of Way line of South Hill Terrace, a length of 84.00', a radius of 257.27', a chord bearing of N 35°37'08.35" E and a chord length of 83.63' to a point on the western corner of Tax Map Parcel 92-9-10;

THENCE S 68°10'44" E, 89.62' to a point on the southern corner of Tax Map Parcel 92-9-10;

THENCE N 36°10'17" E, 50.00' to a point on the eastern corner of Tax Map Parcel 92-9-10;

THENCE N 67°17'10" W, 100.00' to a point on the northern corner of Tax Map Parcel 92-9-10 and the eastern Right of Way line of South Hill Terrace;

THENCE N 22°53'08" E, 50.00' along the eastern Right of Way line of South Hill Terrace to an iron pin found on the western corner of Tax Map Parcel 92-9-11;

THENCE S 67°06'52" E, 128.38' to a point on the southern corner of Tax Map Parcel 92-9-11;

THENCE N 1°05'38" E, 106.32' to a point on an eastern jog corner of Tax Map Parcel 92-9-13;

THENCE N 88°14'20" E, 23.66' to a point on an eastern jog corner of Tax Map Parcel 92-9-13;

THENCE N 22°35'04" E, 64.09' to a point on the eastern line of Tax Map Parcel 92-9-13 and the south-western corner of Tax Map Parcel 92-9-5;

THENCE N 87°40'07" E, 160.94' to a point on the south-east corner of Tax Map Parcel 92-9-5 and the western Right of Way line of Turner Place;

THENCE S 2°19'41" E, 214.20' along the western Right of Way line of Turner Place to a point;

THENCE N 50°10'21" E, 305.02' to an iron pipe found on the north-east Right of Way corner of Fountain Street and the southern line of Tax Map Parcel 92-8-14.2;

THENCE N 82°08'58" E, 7.60' to an iron pipe found on the south-east corner of Tax Map Parcel 92-8-14.2;

THENCE N 00°00'04" W, 7.00' to a pinch pipe found on the south-east corner of Tax Map Parcel 92-8-5.2;

THENCE N 53°53'26" E, 13.44' to a point on the southern line of Tax Map Parcel 92-8-5.2;

THENCE along a series of curves to the right with the following curve data;

A length of 167.10', a radius of 1825.61', a chord bearing of N 52°48'04.85" E and a chord length of 167.04' to a monument found on the southern line of Tax Map Parcel 92-8-7.2;

A length of 139.18', a radius of 14500.77', a chord bearing of N 58°10'52.85" E and a chord length of 139.18' to a point;

A length of 46.08', a radius of 411.32', a chord bearing of N 61°39'26.85" E and a chord length of 46.06' to the Point of Beginning and containing 52.4 acres of land.

SCHEDULE "C" COMMERCIAL USE EASEMENT AREA

All that tract or parcel of land, situate in the City and Town of Ithaca, County of Tompkins, and State of New York, and being more particularly described as follows:

Beginning at the Point of Beginning (P.O.B), at the northerly most point of the parcel;

THENCE S 62°51'24" E, 273.76' to a point;

THENCE S 37°58'00" W, 110.15' to a point;

THENCE S 33°03'51" W, 612.29' to a point;

THENCE S 32°10'19" W, 548.74' to a point;

THENCE S 40°45'51" W, 38.05' to a point;

THENCE along a series of curves to the right with the following curve data;

A length of 207.49', a radius of 184.47', a chord bearing of N 20°07'23.19" W and a chord length of 196.72';

A length of 91.20', a radius of 1044.76', a chord bearing of N 14°36'5.08" E and a chord length of 91.17';

A length of 108.30', a radius of 1491.35', a chord bearing of N 19°10'56.87" E and a chord length of 108.27' to a point;

THENCE N 21°15'46" E, 346.73' to a point;

THENCE N 33°28'44" E, 458.06' to a point;

THENCE N 37°33'17" E, 173.78' to the Point of Beginning and containing 7.16 acres of land.

SCHEDULE "D" INDUSTRIAL USE EASEMENT AREA

All that tract or parcel of land, situate in the City and Town of Ithaca, County of Tompkins, and State of New York, and being more particularly described as follows:

Beginning at the Point of Beginning (P.O.B), at the northerly most point of the parcel;

THENCE S 21°15'46" W, 346.73' to a point,

THENCE along a series of curves to the left with the following curve data;

A length of 108.30', a radius of 1491.35', a chord bearing of S 19°10'56.87" W and a chord length of 108.27';

A length of 91.20', a radius of 1044.76', a chord bearing of S 14°36'5.08" W and a chord length of 91.17';

A length of 207.49', a radius of 184.47', a chord bearing of S 20°07'23.19" E and a chord length of 196.72' to a point;

THENCE S 40°45'51" W, 40.21' to a point in the centerline of a stream;

THENCE along the centerline of the stream the following courses and distances;

N 57°58'51" W, 42.44';
N 42°52'42" W, 41.41';
N 36°34'25" W, 31.01';
N 48°20'45" W, 16.75';
N 76°30'43" W, 36.62';
N 36°32'08" W, 33.22';
N 05°36'15" W, 39.19';
N 17°34'38" W, 42.13';
N 12°26'27" W, 26.18';
N 67°48'26" W, 27.63';
N 69°06'25" W, 37.80';
N 55°02'28" W, 33.46';
N 49°31'27" W, 19.92' to a point;

THENCE N 43°21'04" E, 610.49' to the Point of Beginning and containing 2.00 acres of land.

TP-584.2 (10/96)

Recording Office Time Stamp

Real Estate Transfer Tax Return For Public Utility Companies' and Governmental Agencies' Easements and Licenses

This form may only be used by public utility companies regulated by the Public Service Commission and governmental agencies for the recording of easements and licenses where the consideration for the grant of such easement or license is $500.00 or less.

Name of grantee (public utility company or governmental agency)
The People of the State of New York

Federal employer identification number *(if applicable)*

Address of grantee
625 Broadway, Albany, New York 12233-1500

Name and telephone number of person to contact

Name(s) of Grantor Of Easement or License	Address of Property	Consideration Given For Easement or License
1. Emersub 15 LLC	620-40 Aurora Street S., Ithaca, NY 14850	$0.00
2. Emersub 15 LLC	V/L Aurora Street S. Ithaca, NY 14850	$0.00
3. Emersub 15 LLC	810 Danby Road, Ithaca, NY 14850	$0.00
4. Emersub 15 LLC	Portion of Stone Quarry Road, NY 14850	$0.00
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		

If more than fifteen conveyances are to be recorded, attach a schedule of such other conveyances.

Signature of Grantee

I certify that the grantee is a public utility regulated by the Public Service Commission or is a governmental agency and the grantee of the easements and/or licenses above; that it is true to the best knowledge of the grantee that the granting of each such easement and/or license is exempt from Real Estate Transfer Tax imposed by Article 31 of the Tax Law by reason that each such conveyance is for a consideration of five hundred dollars or less and/or the conveyance is being made to a governmental agency.

The People of the State of New York
Name of grantee

Jennifer Andaloro
Signature of partner, officer of corporation, governmental official, etc.

NYSDEC Attorney
Title

TP-584.2 (10/96)

Recording Office Time Stamp

Real Estate Transfer Tax Return For Public Utility Companies' and Governmental Agencies' Easements and Licenses

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The People of the State of New York
Name of grantee

Jennifer Andaloro
Signature of partner, officer of corporation, governmental official, etc.

NYSDEC Attorney
Title

APPENDIX

B SITE RESPONSIBILITIES

Site Management Plan: Responsibilities of OU-2 Owner and Remedial Party

The former Emerson Power Transmission ("EPT") facility contains two Operable Units ("OU-1" and "OU-2"). Whereas a corporate affiliate of the Responsible Party ("RP") shall retain ownership of OU-1, the present and future owners of OU-2 (individually and collectively, the "OU-2 Owner") shall be parties unaffiliated to the RP. The responsibilities for implementing the Site Management Plan ("SMP") with respect to OU-2, are divided between the RP and OU-2 Owner as set forth below. For purposes of this Appendix only "Site" shall mean OU-2.

OU-2 Owner Responsibilities:

The OU-2 Owner is responsible for:

1. Following the SMP provisions as they relate to excavation, grading or other disturbances of the ground surface and below related to development, redevelopment and/or repairs at the Site except to the extent such actions are the responsibility of the RP.
2. Performing any future investigation, and/or remediation of soils and/or fill material (collectively, "soils") that may be required by this SMP (collectively, "Soil Remediation") in the areas of concern ("AOC") addressed to the satisfaction of NYSDEC as part of the RP's approved Interim Remedial Measure ("IRM") work, and as reflected in the IRM Construction Completion Report, dated October 23, 2020, except for future Soil Remediation associated with addressing contaminated soils beneath the oil shed in AOC 28, in the event that the oil shed is demolished, contaminated soils beneath the loading dock area within Building 11A, and contaminated soils beneath and inside the concrete "planter" located in the vicinity of AOC 32 (the "Additional Areas"); provided, however, that, once the RP performs the remediation of the Additional Areas to the extent required by NYSDEC for purposes of complying with the applicable soil cleanup objectives, the OU-2 owner will be responsible for any future Soil Remediation in these locations, as well.
3. Conducting any future Soil Remediation at areas of the Site besides the AOCs, to the extent that the need for such Soil Remediation is triggered by a change in land use designation from what appears in Exhibit H of the Amended and Restated Purchase and Sale Agreement between the Emersub 15, LLC and L Enterprises, LLC, dated May 9, 2017 ("Agreement") for the relevant portion of the Site, e.g. industrial to commercial or commercial to restricted residential.
4. Managing hazardous building materials and debris generated in connection with its demolition, renovation, or reconfiguration of existing buildings at the Site.
5. With respect to Site buildings in existence as of July 15, 2013, repairing or replacing any flooring following initial vapor mitigation system installation by the Responsible Party, except to the extent that such repair or replacement of the floor is part of the vapor mitigation system design, or otherwise necessary for proper operation of the system to ensure compliance with applicable indoor air quality standards (such as for purposes of example only where a drainboard may be used). For purposes of clarification, the OU-2 Owner's responsibility under this Item 5 shall extend to any openings in building floorings made in connection with the sewer test pit excavation that the RP undertook pursuant to Section 5.5.2 of the IRM Work Plan, as well as to any disturbed flooring, the restoration of which is not essential to the first OU-2 Owner's property redevelopment plans(e.g., disturbed flooring in a building that the first OU-2 Owner plans to demolish; any redevelopment activity undertaken by subsequent OU-2 Owners; etc.)
6. With respect to Site buildings erected after July 15, 2013, designing, constructing, and installing any vapor barriers or vapor mitigation systems that may be required to protect building occupants from soil vapor intrusion and the subsequent monitoring, operation and maintenance of same.
7. Maintaining drainage ditches, swales and permanent erosion controls such as riprap used for ditch lining, slope protection, and pipe outlet protection on OU-2 (specifically, at AOCs 32, 35G and 35L).

8. Refraining from any activity that may cause an exceedance of a water quality standard or otherwise trigger a new obligation on the part of the RP to perform remediation under the SPDES permit equivalent and taking all reasonable precautions to ensure that its affiliates, employees, agents, contractors, tenants, successors, and assigns (collectively, the "Affiliates") do the same.
9. Correcting any condition or exacerbation of a condition within OU-2 caused by OU-2 Owner or its Affiliates that may give rise to an exceedance of a water quality standard enforced through the SPDES permit equivalent or an obligation to perform remediation under the SPDES permit equivalent.
10. Complying with all Engineering Controls and Institutional Controls set forth in this SMP, the NCR Sewer Deed Restriction, and the Environmental Easement for the Site, except where compliance with those Engineering or Institutional Controls are the RP's responsibility, as set forth below, and to the extent that any such Engineering Controls are disturbed, unless by an act of the RP or its Affiliates, paying for or performing the repair and replacement of such Engineering Controls and managing any contamination that has been generated or disturbed as a result of such disturbance of the Engineering Controls.
11. Granting access to the Site to the RP and NYSDEC and its agents for the purposes of performing activities required under the SMP and assuring compliance with the SMP.
12. Not interfering, and requiring and taking steps to prohibit its Affiliates from interfering, with the components of active remedial systems located on the Site. In the event that damage to the components of active remedial systems is evident, the OU-2 Owner shall notify the RP and NYSDEC in accordance with the timeframes indicated in Section 1.3 - Notifications.
13. Notifying the RP and NYSDEC in accordance with the time frame indicated in Section 1.3 - Notifications in the event some action or inaction by the OU-2 Owner or its Affiliates adversely impacts the environmental condition of the Site and coordinating the performance of any necessary corrective actions with the RP and NYSDEC.
14. Notifying the RP and NYSDEC of any change in ownership of the Site or any portion thereof (identifying the tax map numbers in any correspondence) and providing contact information for the new owner of the Site property in accordance with the 6 NYCRR Part 375 (cf. https://www.dec.ny.gov/chemical/76250.html).
15. In accordance with a periodic time frame determined by NYSDEC, periodically certifying, in writing, that all Institutional Controls and Engineering Controls under the control of OU-2 Owner remain in place and continue to be complied with, and allowing the RP to include this certification in its periodic review report certifications to NYSDEC
16. Complying with the applicable provisions regarding tenant notification of indoor air contamination set forth at Environmental Conservation Law §27-2405, as may be amended.

Remedial Party Responsibilities:

The RP is responsible for:

1. Following the SMP provisions as they relate to any excavation, grading or other disturbance of the ground surface and below that it undertakes at the Site, and, except as set forth in this SMP, the Agreement or any other separate agreement with the OU-2 Owner, performing any activities specified in the Amended ROD dated September 2021 (e.g., seep collection, monitoring and/or treatment; site-wide groundwater monitoring; groundwater collection and treatment in AOC 1; and NAPL recovery).
2. Performing any Soil Remediation of the Additional Areas – but only to the extent required by NYSDEC for purposes of complying with the applicable soil cleanup objectives following the initial demolition of the pertinent improvements – and any future investigation and/or remediation of any other areas of the Site affected by releases predating the transfer of title to OU-2 to L

Enterprises, LLC (or an affiliate), to the extent set forth in the Agreement and not covered in the OU-2 Owner Responsibilities above.

3. Operating and maintaining the dual-phase extraction and treatment system specified in Appendix I to the SMP and performing the activities covered in the monitoring and sampling plan set forth in Appendix J to the SMP.
4. Constructing, operating, and performing maintenance on the final selected remediation alternative (subject to change based on the results of the pre-design studies) for the Building 24 Seep, Retaining Wall Sump, and the Weir Box seeps.
5. Designing, constructing, installing, and, to the extent required under NYSDOH regulations or recommended under NYSDOH guidance, performing startup testing of any vapor mitigation systems required for buildings at the Site that were in existence as of July 15, 2013. Such start up testing shall be consistent with NYSDOH regulation and guidance for the purpose of ensuring proper operation of the system at that time and may include but not be limited to indoor air testing and/or pressure field extension testing.
6. Complying with the requirements of the SPDES Permit equivalent.
7. Reporting to NYSDEC all activities required for remediation, operation, maintenance, monitoring, and reporting, including, but not limited to, submitting periodic review reports and certifications, electronic data deliverables, corrective action work plans and reports, and updated SMPs.
8. Providing the OU-2 Owner with advance notification before accessing the Site to undertake a specific activity in accordance with an access agreement between the two parties.
9. If the RP or NYSDEC determines that a modification to the SMP is necessary based on anticipated or actual changed Site conditions, updating the SMP, obtaining final approval from NYSDEC, and, within 5 business days after NYSDEC approval, submitting a copy of the approved SMP to the owner(s).
10. Periodically certifying, in writing, that all Engineering and Institutional Controls applicable to the Site are in place and that compliance with them continues (note: regarding OU-2, such certification will entail coordination with the OU-2 Owner).
11. Notifying NYSDEC and the OU-2 Owner of any changes in RP ownership and/or control and of any changes in the party/entity responsible for the operation, maintenance, and monitoring of and reporting with respect to any remedial system (Engineering Controls) in accordance with 6 NYCRR Part 375 (cf. http://www.dec.ny.gov/chemical/76250.html).
12. Notifying NYSDEC of any damage to or modification of the systems as required under Section 1.3 - Notifications of the SMP.
13. Contacting NYSDEC to discuss the need to update the SMP, NCR Sewer Deed Restriction, or Environmental Easement in connection with any anticipated or actual change in use, change in ownership, change in site classification (e.g., delisting), reduction or expansion of remediation, or other significant changes related to the Site that may necessitate an update to the SMP and/or updated legal documents. The RP shall contact the Department to discuss the need to update such documents and provide copies of any such correspondence to the OU-2 Owner.

Change in RP ownership and/or control and/or Site ownership does not affect the RP's obligations with respect to the Site unless a legally binding document executed by the NYSDEC releases the RP of its obligations.

Future site owners and RPs and their successors and assigns are required to carry out the activities set forth above.

APPENDIX

C NCR SEWER LINE DEED RESTRICTION

Tompkins County Clerk Recording Page

Return To

FIRST AMERICAN TITLE NCS ST. LOUIS
8182 MARYLAND AVE., STE 400
SAINT LOUIS, MO 63105

Maureen Reynolds, County Clerk
Tompkins County Clerk
320 North Tioga Street
Ithaca, NY 14850
(607) 274-5431

Document Type: **MISC**

Receipt Number: 18-207602

Party 1
EMERSUB 15 LLC

Party 2
EMERSUB 15 LLC

Fees	
Recording Fee	$20.00
Pages Fee	$95.00
State Surcharge	$20.00
Total Fees Paid:	$135.00

Instrument #: 2018-10180

State of New York
County of Tompkins

Filed on September 6th, 2018 at 12:56:14 PM
with a total page count of **19**.

Tompkins County Clerk

This sheet constitutes the Clerk's endorsement required by section 319 of the Real Property Law of the State of New York

MR

Do Not Detach

DECLARATION of COVENANTS and RESTRICTIONS

THIS DECLARATION (the "Declaration") is made the 6th day of September 2018, by **EMERSUB 15 LLC**, a Delaware limited liability company, having an office for the transaction of business at 8000 West Florissant Avenue, St. Louis, Missouri 63136 ("Owner").

WHEREAS, Owner is the owner of that certain real property located at 620 South Aurora Street and 810 Danby Road, in the Town of Ithaca, County of Tompkins and State of New York (the "State"), which is legally described on **Schedule A** attached to this declaration and made a part hereof, and is further known and designated on the tax map of the County Clerk of Tompkins as tax map parcel numbers: Section 106, Block 1, Lot 8, Section 40, Block 3, Lot 3, and a portion of Section 40, Block 3, Lot 14.2, being the same as that property conveyed to Owner by deeds recorded in the Tompkins County Clerk's Office in Liber 474, Page 68; Liber 556, Page 127; Liber 556, Page 1081; Liber 564, Page 91; Liber 567, Page 446; Liber 2512, Page 5758; and Instrument Number 555134-003 (the "Property"); and

WHEREAS, soil vapor contamination associated with the sewer lines serving the former National Cash Register site to the south of the Property and Ithaca College to the east of the Property was identified during past environmental investigations, which sewer lines comprise the main sanitary sewer trunk and the lateral sanitary sewer trunk and are located on a portion of the Property (collectively, the "NCR Sewer Line Area"); and

WHEREAS, the NCR Sewer Line Area comprises approximately +/- 2.983 acres, and is hereinafter more fully described in the Land Title Survey dated July 25, 2018, prepared by Richard M. Rybinski, and which is legally described on **Schedule B** attached to this declaration and made a part hereof; and

WHEREAS, the covenants and restrictions contained in this Declaration ensure the protection of public health and the environment.

NOW, THEREFORE, Owner, for itself, its assigns, and subsequent owners of the NCR Sewer Line Area covenants that:

First, the NCR Sewer Line Area subject to this Declaration is as shown on a map attached to this declaration as **Schedule B** and made a part hereof.

Second, prior to any construction activity that involves either connecting to the sewers located within the NCR Sewer Line Area or the erection of any occupied structure that lies partially or wholly within the NCR Sewer Line Area, Owner shall conduct an evaluation of soil vapor intrusion potential in accordance with the State's "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" or equivalent and successor methodology or guidance thereto (collectively, the "Guidance"), and implement recommended actions in accordance with such Guidance ("Recommended Actions") if any, to address exposures related to soil vapor intrusion, or in the alternative, the owner may forego the soil vapor intrusion evaluation and install a soil

vapor intrusion mitigation system ("Engineering Controls") in any building on the Property intended for such occupation, as though the evaluation of soil vapor intrusion potential would have justified mitigation under the Guidance.

Third, all Engineering Controls shall be installed prior to occupancy of any structure that lies partially or wholly within the NCR Sewer Line Area or any structure served by a lateral that connects to the sewer located within the NCR Sewer Line Area.

Fourth, all Engineering Controls and Recommended Actions shall be performed, operated, maintained and monitored as specified in the Guidance.

Fifth, all Engineering Controls shall be inspected at a frequency and in a manner defined in the Guidance.

Sixth, data and information pertinent to the Recommended Actions and/or Engineering Controls shall be reported at the frequency and in a manner in accordance with the Guidance.

Seventh, access to the NCR Sewer Line Area shall be provided to agents, employees or other representatives of the State with reasonable prior notice to the Owner to assure compliance with the Guidance.

Eighth, the Recommended Actions and Engineering Controls shall be binding upon the Owner, its assigns, and subsequent owners of the NCR Sewer Line Area. The Recommended Actions and Engineering Controls may be modified in accordance with the State's statutory and regulatory authority. The Owner and all successors in title to the NCR Sewer Line Area, as well as their successors and assigns, assume the burden of complying with the Recommended Actions and Engineering Controls.

Owner shall provide all persons who acquire any interest in the NCR Sewer Line Area notice of the Recommended Actions and Engineering Controls along with any State approvals for the NCR Sewer Line Area.

Ninth, the Owner shall continue in full force and effect any Recommended Actions and Engineering Controls and maintain such controls, unless the Owner first obtains permission to discontinue such controls from the State.

Tenth, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the NCR Sewer Line Area, and shall provide that any such owner and its successors and assigns consent to enforcement by the State or other relevant agency of the prohibitions and restrictions set forth in this Declaration, and hereby covenant not to contest the authority of the State to seek enforcement. Nothing contained in this Declaration shall be deemed a gift or dedication of any portion of the NCR Sewer Line Area to the general public or for the general public or for any public purpose whatsoever nor shall anything contained in this Declaration confer any benefits, rights, privileges, claims, actions or remedies to any person or entity as a third-party beneficiary or otherwise

Eleventh, any lease, license, deed of conveyance, or other instrument conveying the NCR Sewer Line Area, or any portion thereof, shall recite, unless the State has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration.

[Signature Page to Follow]

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below.

EMERSUB 16 LLC

By: _____
Print Name: Stephen L. Clarke
Title: President Date: 8/9/2018

STATE OF MISSOURI)
) ss.:
COUNTY OF St. Louis)

On the 9th day of August, in the year 2018, before me, the undersigned, personally appeared Stephen L. Clarke, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public State of Missouri

SHARON L. HYDE
Notary Public-Notary Seal
State of Missouri, St Louis County
Commission # 11535019
My Commission Expires Nov 21, 2019

Schedule A

The Property

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE COUNTY OF TOMPKINS AND STATE OF NEW YORK, AND DESCRIBED AS FOLLOWS, TO WIT:

PARCEL 1

ALL THAT PORTION OF SOUTH TIOGA STREET LYING SOUTH OF THE CAYUGA AND SUSQUEHANNA RAILWAY, AND EXTENDING TO THE SOUTH BOUNDARY OF THE SAID CITY OF ITHACA, AND

BEGINNING AT THE POINT OF INTERSECTION OF THE EAST LINE OF SOUTH CAYUGA STREET WITH THE SOUTH BOUNDARY LINE OF THE SAID CITY OF ITHACA; THENCE NORTH ALONG THE EASTERLY LINE OF CAYUGA STREET TO THE SOUTH BOUNDARY OF THE CAYUGA AND SUSQUEHANNA RAIL ROAD CO'S LAND NOW OR FORMERLY LEASED TO THE DELAWARE, LACKAWANNA & WESTERN RAIL ROAD CO., THENCE NORTHEASTERLY ALONG THE SOUTH BOUNDARY OF SAID RAIL ROAD CO'S LAND TO THE WEST LINE OF SOUTH TIOGA STREET EXTENDED; THENCE SOUTH ALONG THE WEST LINE OF SAID TIOGA ST. EXTENSION TO THE SOUTH BOUNDARY LINE OF THE CITY OF ITHACA; THENCE WEST ALONG THE SOUTH BOUNDARY LINE OF SAID CITY TO THE PLACE OF BEGINNING, AND

PART OF MILITARY LOT 94 IN SAID CITY BOUNDED AND DESCRIBED AS FOLLOWS: BEGINNING ON THE SOUTHEAST SIDE OF THE RIGHT OF WAY OF THE DELAWARE, LACKAWANNA AND WESTERN RAILROAD WEST OF AURORA STREET, AT THE NORTHWEST CORNER OF THE LOT WILLED TO JOSEPH WILLIS MCGRAW BY SARAH A. MCGRAW; THENCE ALONG THE SOUTHEAST LINE OF THE RIGHT OF WAY TO THE EAST LINE OF SOUTH TIOGA STREET, THENCE SOUTH ON THE EAST LINE OF SOUTH TIOGA STREET TO A POINT TWENTY-FIVE (25) FEET FROM THE CENTER LINE OF THE UPPER BRANCH OF THE TURNOUT BUILT BY THE SAID LACKAWANNA RAILROAD COMPANY FOR THE USE OF MORSE CHAIN COMPANY; THENCE NORTHEASTERLY AT A DISTANCE OF TWENTY-FIVE FEET FROM THE CENTER LINE OF SAID TURNOUT TO A POINT ON THE SOUTH LINE OF THE SAID JOSEPH MCGRAW LOT; THENCE WESTERLY ALONG THE SOUTH LINE OF SAID MCGRAW LOT TO THE PLACE OF BEGINNING, AND

THE PORTION OF THE EAST HALF OF SOUTH TIOGA STREET WHICH LIES BETWEEN THE LACKAWANNA RIGHT OF WAY AND THE LINE TWENTY-FIVE FEET EASTERLY FROM THE CENTER LINE OF THE TURNOUT ABOVE DESCRIBED, AND

BEGINNING AT THE POINT OF INTERSECTION OF THE SOUTH BOUNDARY LINE OF THE CITY OF ITHACA WITH THE WEST BOUNDARY LINE OF SOUTH CAYUGA STREET; THENCE WESTERLY ALONG SAID CITY LINE TO THE SOUTHERN BOUNDARY LINE OF LANDS OF THE CAYUGA AND SUSQUEHANNA RAILROAD, (NOW OR FORMERLY LEASED BY THE DELAWARE, LACKAWANNA AND WESTERN RAILROAD); THENCE NORTHEASTERLY ALONG SAID RAILROAD BOUNDARY LINE TO ITS INTERSECTION WITH THE WEST BOUNDARY LINE OF SOUTH CAYUGA STREET; THENCE SOUTHERLY ALONG SAID CAYUGA STREET LINE TO THE PLACE OF BEGINNING, AND

ALL THAT PORTION OF SOUTH CAYUGA STREET EXTENDING FROM THE SOUTHERLY LINE OF THE RIGHT OF WAY OF THE DELAWARE, LACKAWANNA & WESTERN RAILROAD COMPANY TO THE CITY LINE, AND

ON SOUTH HILL, DESIGNATED AS LOT 20 ON A MAP OF SOUTH HILL LANDS MADE BY KIRK P. CRANDALL, DATED MAY, 1905, AND FILED IN THE TOMPKINS COUNTY CLERK'S OFFICE ON THE 31ST DAY OF AUGUST, 1906, SAID LOT 20 BEING BOUNDED AS FOLLOWS: ON THE SOUTH BY THE RIGHT OF WAY OF THE D. L. & W. RAILROAD; ON

THE WEST BY SOUTH CAYUGA STREET, ON THE NORTH BY SOUTH HILL TERRACE AND LOT 21, AND ON THE EAST BY LAND FORMERLY BELONGING TO THE CITY WATER BOARD, AND

COMMENCING ON THE EAST LINE OF SOUTH AURORA STREET IN SAID CITY AT THE SOUTH-WEST CORNER OF LAND OWNED BY PHILIPP STEPHENS AT THE TIME OF HIS DEATH, AND RUNNING THENCE NORTH 26° AND 30' EAST ALONG THE EAST LINE OF SAID SOUTH AURORA STREET 353 ½ FEET TO THE SOUTH LINE OF LANDS DEVISED TO FITCH H. STEPHENS BY SAID PHILIPP STEPHENS BY HIS WILL ADMITTED TO PROBATE MAY 11, 1908, AND RECORDED IN BOOK C. C. OF WILLS AT PAGE 398 IN THE SURROGATE'S OFFICE OF SAID COUNTY OF TOMPKINS; THENCE NORTH 88° 45' EAST 703 FEET TO THE WEST LINE OF LANDS, WHICH BY THE TERMS OF SAID WILL, THE EXECUTOR THEREIN NAMED WAS EMPOWERED TO SELL; THENCE SOUTH 4° 15' WEST ALONG SAID WEST LINE OF SAID LANDS, WHICH SAID EXECUTOR WAS EMPOWERED TO SELL, 316 ½ FEET TO THE SOUTH LINE OF SAID PHILIPP STEPHENS' LAND; THENCE SOUTH 88° AND 15' WEST ALONG THE SOUTH LINE OF SAID LAND OWNED BY SAID STEPHENS AT THE TIME OF HIS DEATH 841 FEET TO THE EAST LINE OF SOUTH AURORA STREET, THE PLACE OF BEGINNING, EXCEPTING THEREFROM TWO LOTS OF 40 FEET BY 200 FEET DONATED BY SAID STEPHENS TO THE CONGREGATIONAL CHURCH AND A LOT 50 FEET BY 200 FEET SOLD BY SAID STEPHENS TO LEVI HOLLISTER AND BEING AND INTENDED TO BE THE SOUTHWEST LOT OF LAND ON SAID SOUTH AURORA STREET DEVISED BY SAID WILL OF PHILIPP STEPHENS, DECEASED, TO ELIZABETH BARTO. ALSO, COMMENCING AT A POINT ON THE EAST SIDE OF SOUTH AURORA STREET IN SAID CITY 110 FEET NORTHERLY FROM A POINT WHERE THE SOUTH LINE OF PREMISES FORMERLY OWNED BY PHILIPP STEPHENS JOINS THE EAST SIDE OF SAID SOUTH AURORA STREET, AND RUNNING FROM THENCE EAST 200 FEET; THENCE NORTHERLY PARALLEL WITH SOUTH AURORA STREET 50 FEET; THENCE WEST 200 FEET TO THE EAST SIDE OF SOUTH AURORA STREET; AND THENCE ALONG THE EAST SIDE OF SOUTH AURORA STREET 50 FEET TO THE PLACE OF BEGINNING. BEING 50 FEET ON SOUTH AURORA STREET BY 200 FEET DEEP EASTERLY AND WESTERLY, AND

ON SOUTH HILL DESCRIBED AS FOLLOWS: BEGINNING AT A POINT WHERE A PROLONGATION TO THE SOUTH OF THE WEST LINE OF TIOGA STREET WILL INTERSECT THE NORTH LINE OF THE DELAWARE, LACKAWANNA & WESTERN, RAILROAD; THENCE NORTH ALONG SAID WEST LINE OF SAID PROLONGATION OF TIOGA STREET, 170 FEET, THENCE WEST 210 FEET; THENCE SOUTH PARALLEL WITH SAID LINE ON TIOGA STREET TO THE NORTH LINE OF SAID RAILROAD; THENCE EASTERLY ALONG THE NORTH LINE OF SAID RAILROAD TO THE PLACE OF BEGINNING. BEING KNOWN AS THE SOUTH HILL RESERVOIR SITE, AND

A PART OF MILITARY LOT NO. 94 AND BEING A PART OF LANDS DEEDED TO SARAH MCGRAW BY ABEL BURRITT AND WIFE; RECORDED IN THE CLERK'S OFFICE OF TOMPKINS COUNTY IN LIBER 7 OF ITHACA DEEDS AT PAGE 519, BOUNDED AS FOLLOWS, TO WIT: BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF WALNUT STREET, WITH THE WEST LINE OF THE OLD OWEGO AND ITHACA TURNPIKE ROAD; THENCE WEST ALONG SAID SOUTH LINE OF WALNUT STREET TO THE EAST LINE OF TIOGA STREET; THENCE SOUTH ALONG TIOGA STREET TO THE LANDS DEVISED TO FRANK SEARS MCGRAW, UNDER THE TERMS OF THE LAST WILL AND TESTAMENT OF SARAH MCGRAW, TO WHICH MORE COMPLETE REFERENCE IS MADE HEREINAFTER; THENCE RUNNING EAST ALONG THE NORTH LINE OF SAID MCGRAW'S LAND TO THE OLD OWEGO AND ITHACA TURNPIKE ROAD; THENCE NORTHEASTERLY ALONG SAID ROAD TO THE PLACE OF BEGINNING, AND

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF FOUNTAIN STREET, WITH THE WEST LINE OF THE OLD OWEGO AND ITHACA TURNPIKE ROAD; THENCE SOUTHERLY ON THE WEST LINE OF SAID TURNPIKE TO WALNUT STREET; THENCE WESTERLY ON THE NORTH LINE OF WALNUT STREET TO TIOGA STREET; THENCE NORTHERLY ON THE EAST LINE OF TIOGA STREET TO LANDS PREVIOUSLY DEEDED TO MORSE CHAIN COMPANY BY MARY CELESTIA GAUNTLETT AND GEORGIA MCGRAW CURTISS, AS IS RECORDED AT THE TOMPKINS COUNTY CLERK'S OFFICE IN LIBER 168 OF ITHACA DEEDS AT PAGE 169; THENCE NORTHEASTERLY ALONG SAID MORSE CHAIN COMPANY'S LAND TO THE SOUTH LINE OF FOUNTAIN STREET; THENCE EASTERLY ALONG THE SOUTH LINE OF FOUNTAIN STREET TO THE PLACE OF BEGINNING, AND

A PART OF MILITARY LOT NO. 94 AS FOLLOWS, TO WIT: ALL THAT PART OF WALNUT STREET AND FOUNTAIN STREET, BETWEEN THE OLD OWEGO AND ITHACA TURNPIKE ROAD AND SOUTH TIOGA STREET; AND ALL THAT PART OF SOUTH TIOGA STREET EXTENDING FROM THE NORTH SIDE OF FOUNTAIN STREET TO THE SOUTHWEST CORNER OF LANDS FORMERLY OWNED AND OCCUPIED BY SARAH MCGRAW. SAID WALNUT STREET, BEING THE SAME AS IS INDICATED BY A MAP OF THE BLOODGOOD ESTATE, FILED IN THE CLERK'S OFFICE OF TOMPKINS COUNTY, MARCH 21, 1837. SAID PORTION OF FOUNTAIN STREET AND SOUTH TIOGA STREET BEING THE SAME AS LAID OUT IN A MAP OF ITHACA, BY A.G. BARDIN, DATED 1872, AND

BEGINNING AT THE CENTER OF THE TURNPIKE LEADING FROM ITHACA TO OWEGO, AT A STAKE AND STONES, NOW A POINT IN THE EAST LINE OF SOUTH AURORA STREET, BEING THE SOUTHWEST CORNER OF A SMALL LOT SOLD BY JOHN SCOTT TO MRS. GEE; THENCE RUNNING NORTH 89° 30' EAST 8 CHAINS AND 25 LINKS TO A STAKE AND STONES; THENCE NORTH 22° 30' EAST 1 CHAIN AND 74 LINKS TO A STAKE AND STONES; THENCE SOUTH 89° 30' WEST 7 CHAINS AND 80 LINKS TO THE CENTER OF THE OLD OWEGO TURNPIKE, NOW AURORA STREET, THENCE SOUTH 28° WEST TO THE PLACE OF BEGINNING, EXCEPTING OUT OF THE SOUTH WEST PROPERTY BELONGING TO ABIGAL AND CATHARINE GEE, NOW OR FORMERLY, THE BALANCE HEREBY CONVEYED.

ALSO ALL THAT CERTAIN OTHER PIECE OR PARCEL OF LAND ADJOINING THE ABOVE AND DESCRIBED AS FOLLOWS, TO WIT: BEGINNING AT A CORNER FORMED BY THE CENTER OF THE OLD OWEGO AND ITHACA TURNPIKE ROAD AND ON THE LINE OF A BOARD FENCE, FROM THENCE NORTH 89° 30' EAST ALONG THE LINE OF JESSIE D. SMITH'S LAND 8 CHAINS AND 25 LINKS TO A POST; THENCE NORTH 22° 30' EAST ON THE LINE OF JAMES TRUESDALL'S LAND 180 TO A POST; THENCE SOUTH 89° 30' WEST 8 CHAINS TO THE CENTER OF SAID TURNPIKE ROAD; THENCE SOUTH 28° WEST TO THE PLACE OF BEGINNING.

ALSO ALL THAT CERTAIN PIECE OR PARCEL OF LAND BEING PART OF LOT NUMBER 3 OF A SUBDIVISION OF A PART OF MILITARY LOT NO. 94 OF THE TOWN OF ULYSSES, NOW ITHACA, MADE BY WILLIAM R. COLLINS AND DESCRIBED AS FOLLOWS, TO WIT: BEGINNING AT THE SOUTH WEST CORNER OF SAID SUBDIVISION NUMBER 3 ON THE EAST LINE OF THE OLD ITHACA AND OWEGO TURNPIKE, RUNNING THENCE NORTHERLY ALONG SAID TURNPIKE 3 RODS; THENCE NORTH 89° 30' EAST 6 RODS; THENCE SOUTHERLY ON A LINE PARALLEL WITH SAID TURNPIKE 3 RODS TO THE SOUTH LINE OF SAID SUBDIVISION NO. 3; THENCE WESTERLY ON SAID LINE 6 RODS TO THE PLACE OF BEGINNING. EXCEPTING AND RESERVING FROM THE PREMISES ABOVE DESCRIBED ALL THAT PIECE OR PARCEL OF LAND CONVEYED BY PATRICK WALL AND WIFE TO JAMES HILLICK, JR., AND MARY HILLICK, HIS WIFE, BY DEED DATED JUNE 28, 1911, AND RECORDED IN THE TOMPKINS COUNTY CLERK'S OFFICE IN LIBER 177 OF DEEDS AT PAGE 32, BEING LOT NO. 10 AS LAID OUT ON A MAP OF THE PREMISES ABOVE DESCRIBED.

ALSO ALL THAT TRACT OR PARCEL OF LAND BEGINNING AT THE NORTHEAST CORNER OF LOT NO. 85, OF THE TOWN OF ITHACA, NOW WITHIN THE CITY LIMITS, RUNNING THENCE NORTH ALONG THE EAST LINE OF SOUTH TIOGA STREET EXTENDING TO WHERE IT IS INTERSECTED, BY THE SOUTH LINE OF LANDS NOW OR FORMERLY OWNED BY FRANK E. BROWN AND STELLA BROWN, THENCE EAST ALONG SAID BROWN'S SOUTH LINE TO THE WEST LINE OF SOUTH AURORA STREET; THENCE SOUTHWESTERLY ALONG THE WEST LINE OF SOUTH AURORA STREET TO THE PLACE OF BEGINNING, AND

A PART OF MILITARY LOT NO. 94 AND BEING A PART OF LANDS DEEDED TO SARAH MCGRAW BY ABEL BURRITT AND WIFE, RECORDED IN THE CLERK'S OFFICE AT TOMPKINS COUNTY IN LIBER 7 OF ITHACA DEEDS AT PAGE 519; BOUNDED AS FOLLOWS, TO WIT: BEGINNING AT THE NORTHEAST CORNER OF LAND FORMERLY OWNED BY ABRAM MASTERS, JR.; THENCE NORTHEASTERLY ALONG THE WEST LINE OF THE OLD OWEGO AND ITHACA TURNPIKE ROAD TO THE LANDS DEVISED TO MARY CELESTIA GAUNTLETT AND GEORGIA MCGRAW CURTISS, UNDER THE TERMS OF THE LAST WILL AND TESTAMENT OF SARAH MCGRAW, TO WHICH MORE COMPLETE REFERENCE IS MADE HEREINAFTER, THENCE WEST ALONG THE SOUTH LINE OF SAID GAUNTLETT AND CURTISS LAND TO THE EAST LINE OF TIOGA STREET; THENCE SOUTH ALONG TIOGA STREET TO LAND NOW OR FORMERLY OWNED OR IN THE POSSESSION OF SARAH HITCHCOCK; RUNNING THENCE EAST ALONG THE NORTH LINE OF SAID LAND TO THE SOUTHWEST CORNER OF SAID ABRAM MASTER'S JR., LAND; THENCE NORTH ALONG THE WEST LINE OF SAID MASTER'S LAND 83 FEET; THENCE EAST ALONG THE NORTH LINE OF SAID MASTER'S LAND TO THE PLACE OF BEGINNING, AND

BEGINNING AT A POINT IN THE INTERSECTION OF THE WEST LINE OF SOUTH AURORA STREET AND THE SOUTH LINE OF THE CITY OF ITHACA, NEW YORK; THENCE SOUTHWESTERLY ALONG THE WEST LINE OF SOUTH AURORA STREET, 480 FEET; THENCE WEST, PARALLEL WITH THE CITY LINE TO A POINT IN THE EAST LINE OF CAYUGA STREET EXTENSION; THENCE NORTH ALONG THE EAST LINE OF CAYUGA STREET EXTENSION TO THE SOUTH LINE OF THE CITY OF ITHACA; THENCE EAST ALONG THE SOUTH LINE OF THE CITY OF ITHACA TO THE PLACE OF BEGINNING, AND

ALL THAT TRACT OR PARCEL OF LAND, NOW OR FORMERLY OWNED BY EBENEZER T. TURNER, A WIDOWER,

LYING WESTERLY OF THE EXTENSION OF SOUTH AURORA STREET (FORMERLY KNOWN AS THE OWEGO TURNPIKE), SOUTHEASTERLY O F THE D. L. & W. R. R. RIGHT OF WAY, SOUTH OF THE SOUTH CORPORATION LINE OF THE CITY OF ITHACA AND LANDS OF SUSAN WIGLEY, AND NORTHERLY OF THE BATES FARM, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT A POINT IN THE CENTER OF THE OWEGO TURNPIKE IN THE LINE BETWEEN THE LANDS NOW OR FORMERLY OF EBENEZER T. TURNER, WIDOWER, AND THE BATES FARM; RUNNING THENCE WESTERLY ALONG THE NORTH LINE OF THE SAID BATES FARM 84-1/4° WEST 1437 FEET TO A CORNER IN A STONE WALL; THENCE NORTH 7-1/2° EAST 770 FEET TO THE SOUTHEASTERLY LINE OF THE RIGHT OF WAY OF THE D. L. & W. RY.; THENCE NORTHEASTERLY ALONG THE RIGHT OF WAY OF THE SAID D. L. & W. RY. ABOUT 2205 FEET TO THE SOUTH CORPORATION LINE OF THE CITY OF ITHACA; THENCE SOUTH 84-1/4° EAST ALONG THE SOUTH CORPORATION LINE OF THE CITY OF ITHACA 396 FEET TO THE NORTHWEST CORNER OF LAND CONVEYED TO SUSAN WIGLEY BY DEED DATED JANUARY 29, 1907, AND RECORDED IN THE TOMPKINS COUNTY CLERK'S OFFICE IN BOOK 167 OF DEEDS AT PAGE 217; THENCE SOUTH 6-3/4° WEST ALONG THE WEST LINE OF SAID WIGLEY LOT 421 FEET TO THE SOUTHWEST CORNER OF SAID WIGLEY LOT; THENCE SOUTH 84-1/4° EAST ALONG THE SOUTH LINE OF THE SAID WIGLEY LOT 322 FEET, MORE OR LESS, TO THE WESTERLY LINE OF THE EXTENSION OF SOUTH AURORA STREET, KNOWN AS THE DANBY MACADAM ROAD; THENCE ON A CONTINUATION OF THE SAID LAST MENTIONED LINE 27 FEET TO THE CENTER OF SAID ROAD; THENCE SOUTH 33-3/4° WEST ALONG THE CENTER OF SAID MACADAM ROAD 1411 FEET, MORE OR LESS, THENCE SOUTH 23-3/4° WEST 682 FEET TO THE PLACE OF BEGINNING, ACCORDING TO A SURVEY MADE BY CARL CRANDALL, C. E., DATED JULY, 1917, AND,

BEGINNING IN THE EASTERLY LINE OF SPENCER STREET IN SAID CITY AT THE SOUTHWESTERLY CORNER OF LANDS CONVEYED TO EBENEZER T. TURNER TO DANIEL CROWLEY AND HELEN S. CROWLEY BY DEED DATED FEBRUARY 26, 1924, AND RECORDED IN THE TOMPKINS COUNTY CLERK'S OFFICE IN LIBER 196 OF DEEDS AT PAGE 227; RUNNING THENCE EASTERLY ALONG THE SOUTHERLY BOUNDARY OF LANDS OF CROWLEY 123 FEET TO THE SOUTHEASTERLY CORNER THEREOF; THENCE NORTHERLY ALONG THE EASTERLY BOUNDARY OF LANDS OF CROWLEY 22.5 FEET TO THE SOUTHWESTERLY CORNER OF A PARCEL OF LAND CONVEYED BY EBENEZER T. TURNER TO AUGUST KAMINSKY BY DEED DATED NOVEMBER 14, 1923 AND RECORDED IN LIBER 205 OF DEEDS AT PAGE 433; THENCE EASTERLY ALONG THE SOUTHERLY BOUNDARY OF KAMINSKY TO THE SOUTHEASTERLY CORNER OF SAID KAMINSKY IN THE WESTERLY LINE OF SOUTH CAYUGA STREET EXTENSION; THENCE SOUTHERLY ALONG THE WESTERLY LINE OF SOUTH CAYUGA STREET EXTENSION TO THE INTERSECTION WITH THE WESTERLY RIGHT OF WAY LINE OF THE DELAWARE, LACKAWANNA AND WESTERN RAILROAD NEAR THE UNDERPASS BRIDGE; THENCE SOUTHWESTERLY ALONG THE WESTERLY BOUNDARY OF LANDS OF SAID RAILROAD TO THE NORTH LINE OF THE OLD INCLINED PLANE AT A POINT 185 FEET NORTHEASTERLY ALONG THE RAILROAD BOUNDARY FROM ITS INTERSECTION WITH THE SOUTH CORPORATION LINE OF THE CITY OF ITHACA, THE NORTH LINE OF THE OLD INCLINED PLANE BEING THE NORTHERLY BOUNDARY OF THE SECOND PARCEL DESCRIBED IN A CONVEYANCE FROM WILLIAM SHEEHY TO JOHN SHEEHY, DATED NOVEMBER 21, 1921, AND RECORDED IN LIBER 201 OF DEEDS AT PAGE 442; THENCE WESTERLY ALONG THE NORTH LINE OF THE OLD INCLINED PLANE AND NORTHERLY BOUNDARY OF LANDS OF SAID SHEEHY TO THE INTERSECTION WITH THE EASTERLY LINE OF SPENCER STREET; THENCE NORTHERLY ALONG THE EASTERLY LINE OF SPENCER STREET TO THE PLACE OF BEGINNING. EXCEPTING ALL RIGHT, TITLE AND INTEREST OF THE CITY OF ITHACA IN AND TO A WATER MAIN RUNNING ACROSS THE WESTERLY PORTION OF SAID PREMISES AND ALONG THE ABANDONED LOCATION OF SPENCER ROAD, AND

ALL THAT TRACT, PIECE OR PARCEL OF LAND BOUNDED AND DESCRIBED AS FOLLOWS: ON THE NORTH AND WEST BY THE SOUTHERLY AND EASTERLY BOUNDARY LINE OF THE DELAWARE, LACKAWANNA & WESTERN R R. CO.; ON THE EAST AND SOUTH BY SOUTH AURORA STREET AND ITS EXTENSION SOUTHERLY KNOWN AS THE ITHACA-OWEGO TURNPIKE AND THE NORTHERLY LINE OF THE OLD JACOB BATES' FARM SITUATED ADJOINING THE WESTERLY SIDE OF THE SAID TURNPIKE, AND

BEGINNING AT AN IRON PIPE MARKING THE SOUTHEASTERLY CORNER OF LANDS CONVEYED BY MORSE CHAIN COMPANY TO WILLIAM P. RYAN BY DEED DATED APRIL 7, 1925, AND RECORDED IN THE TOMPKINS COUNTY CLERK'S OFFICE IN LIBER 206 OF DEEDS AT PAGE 330, SAID PIPE BEING 130 FEET EASTERLY AT RIGHT ANGLES FROM THE EASTERLY LINE OF SOUTH AURORA STREET AND ALSO BEING IN THE NORTH BOUNDARY OF LANDS NOW OR FORMERLY OF JULIA E. STARKINS; THENCE EAST ALONG THE NORTH BOUNDARY OF LANDS NOW OR FORMERLY OF JULLIA E. STARKINS, ABOUT 54 FEET TO THE NORTHEASTERLY

CORNER OF LANDS NOW OR FORMERLY OF JULIA E. STARKINS; THENCE SOUTHWESTERLY ALONG THE EASTERLY BOUNDARY OF LANDS NOW OR FORMERLY OF JULIA E. STARKINS ABOUT 77 FEET TO THE SOUTHEASTERLY CORNER OF LANDS NOW OR FORMERLY OF JULIA E. STARKINS 10 FEET NORTH OF THE PRESENT OR FORMER NORTH LINE OF A 40 FOOT STREET KNOWN AS WALL STREET; THENCE WEST ALONG A LINE 10 FEET NORTH OF AND PARALLEL WITH SAID NORTH LINE OF WALL STREET 24 FEET TO THE NORTHEASTERLY CORNER OF A 10 FOOT STRIP OF LAND CONVEYED BY MORSE CHAIN COMPANY TO JULIA E. STARKINS; THENCE NORTH 70 FEET IN A STRAIGHT LINE TO THE PLACE OF BEGINNING, AND

BEGINNING AT AN IRON PIPE MARKING THE INTERSECTION OF THE NORTH LINE OF WALL STREET WITH THE EASTERLY LINE OF SOUTH AURORA STREET AND THE SAME POINT OF BEGINNING DESCRIBED IN A CONVEYANCE OF A 10 FOOT STRIP OF LAND BY MORSE CHAIN COMPANY TO JULIA E. STARKINS BY DEED DATED JANUARY 2, 1926; THENCE EAST ALONG THE NORTH LINE OF WALL STREET (40 FEET WIDE) A DISTANCE OF 25 FEET; THENCE NORTHWESTERLY AND NORTHERLY ALONG A CURVE TO THE RIGHT WITH A RADIUS OF 15 FEET FOR 30.9 FEET TO A POINT IN THE EASTERLY LINE OF SOUTH AURORA STREET; THENCE SOUTHWESTERLY ALONG THE EASTERLY LINE OF SOUTH AURORA STREET 25 FEET TO THE PLACE OF BEGINNING, AND

LOT NO. 21 AS LAID OUT ON A MAP OF SOUTH HILL LANDS OF S. B. AND E. T. TURNER, MADE BY KIRK P. CRANDALL DATED MAY, 1905, AND FILED IN THE TOMPKINS COUNTY CLERK'S OFFICE ON THE 31ST DAY OF AUGUST, 1906, AND IN MAP BK B1 PAGE 35.

LOT NO. 33 AS SHOWN ON A MAP OF THE PROPERTY OF S. B. AND E. T. TURNER OF SOUTH HILL MADE BY K.P. CRANDALL, C. E., MAY, 1905, FILED IN TOMPKINS COUNTY CLERK'S OFFICE AUGUST 31, 1906, AND FILED IN MAP BOOK B1 PAGE 33.

BEGINNING AT AN IRON PIPE IN THE NORTHWESTERLY LINE OF SOUTH AURORA STREET AT THE NORTHEASTERLY CORNER OF LANDS NOW OR FORMERLY OF CHARLES GUTENBERGER; THENCE NORTHWESTERLY AT RIGHT ANGLES WITH SOUTH AURORA STREET 100 FEET TO AN IRON PIPE; THENCE NORTHEASTERLY PARALLEL WITH SOUTH AURORA STREET 50 FEET TO AN IRON PIPE; THENCE SOUTHEASTERLY AT RIGHT ANGLES WITH SOUTH AURORA STREET 100 FEET TO AN IRON PIPE SET IN THE NORTHWESTERLY LINE OF SAID STREET; THENCE SOUTHWESTERLY ALONG THE LINE OF SAID STREET 50 FEET TO THE PLACE OF BEGINNING, AND

BEGINNING AT THE SOUTHEAST CORNER OF THE PARCEL CONVEYED BY MORSE CHAIN COMPANY TO ALLEN WALES ADDING MACHINE CORPORATION BY DEED DATED AUGUST 27,1947 AND RECORDED SEPTEMBER 2, 1947 IN LIBER 302 OF DEEDS AT PAGE 170, SAID POINT OF BEGINNING BEING IN THE WEST LINE OF SOUTH AURORA STREET ABOUT 135 FEET NORTHEASTERLY ALONG SAID LINE FROM ITS INTERSECTION WITH THE SOUTH LINE OF THE CITY OF ITHACA; RUNNING THENCE NORTH 81° 33' WEST (MAGNETIC 1947) ALONG THE SOUTH LINE OF SAID PARCEL 272 FEET TO A PIPE; RUNNING THENCE NORTH 37° 30' EAST ALONG A WESTERLY LINE OF SAID PARCEL 389.2 FEET TO A PIPE; RUNNING THENCE SOUTHEASTERLY ABOUT 138 FEET TO A PIPE (PIPE A) AT THE NORTHWESTERLY CORNER OF THE PARCEL KNOWN AS 764 SOUTH AURORA STREET CONVEYED BY THE NATIONAL CASH REGISTER COMPANY TO FRANK J. AND ALICE J. RAPONI, HUSBAND AND WIFE, BY DEED DATED MAY 7, 1956 AND RECORDED JUNE 4, 1956 IN LIBER 387 OF DEEDS AT PAGE 531; RUNNING THENCE SOUTH 36° 24' WEST ALONG THE WESTERLY LINE OF SAID RAPONI PARCEL 40 FEET TO A PIPE; CONTINUING THENCE SOUTH 36° 24' WEST 121.5 FEET TO A PIPE; RUNNING THENCE SOUTH 09° 37' WEST 35.3 FEET TO A POINT; RUNNING THENCE SOUTH 75° EAST 89 FEET TO A PIPE IN THE WEST LINE OF SOUTH AURORA STREET (THE PRECEDING THREE COURSES BEING ALONG LINES OF THE PREMISES KNOWN AS 766 SOUTH AURORA STREET CONVEYED BY THE NATIONAL CASH REGISTER COMPANY TO JOHN R. AND NORMA E. CAPOZZI BY DEED DATED AUGUST 28, 1953 AND RECORDED SEPTEMBER 3,1953 IN LIBER 361OF DEEDS AT PAGE 269); RUNNING THENCE SOUTH 36° 24' WEST ALONG THE WEST LINE OF SOUTH AURORA STREET 48 FEET TO THE POINT OR PLACE OF BEGINNING. TOGETHER WITH A RIGHT OF WAY, IN COMMON WITH OTHERS, ENTITLED NOW OR HEREAFTER TO USE THE SAME, FOR PEDESTRIANS AND VEHICLES FROM THE NORTHEASTERLY CORNER OF THE ABOVE-DESCRIBED PARCEL EASTERLY TO AURORA STREET OVER A STRIP OF LAND DESCRIBED AS FOLLOWS: BEGINNING AT SAID PIPE A; RUNNING THENCE SOUTHEASTERLY ALONG THE NORTH LINE OF SAID RAPONI PARCEL 72.3 FEET; RUNNING THENCE SOUTHEASTERLY AT A SLIGHT ANGLE TO THE RIGHT ALONG THE NORTH LINE OF SAID RAPONI PARCEL 32

FEET TO A PIPE IN THE WEST LINE OF SOUTH AURORA STREET; RUNNING THENCE NORTH 36° 24' EAST ALONG THE WEST LINE OF SOUTH AURORA STREET 28 FEET TO A PIPE; RUNNING THENCE NORTH 64° 44' WEST ALONG THE SOUTHERLY LINE OF THE PARCEL CONVEYED BY THE NATIONAL CASH REGISTER COMPANY TO JOSEPH AND MARIE W. POKERWINSKI BY DEED DATED JANUARY 12, 1954 AND RECORDED JANUARY 26, 1954 IN LIBER 365 OF DEEDS AT PAGE 165,101 FEET TO THE SOUTHWESTERLY CORNER OF SAID POKERWINSKI PARCEL; RUNNING THENCE WESTERLY ABOUT 40 FEET TO A POINT IN THE NORTHERLY LINE OF THE ABOVE DESCRIBED PARCEL (THE 138 FOOT COURSE); RUNNING THENCE SOUTHEASTERLY ALONG SAID NORTH LINE 35 FEET TO PIPE A, AND

LOT NO. 26 AS LAID OUT ON A MAP OF SOUTH HILL LANDS OF S.B. AND E.T. TURNER, MADE BY KIRK P. CRANDALL, DATED MAY, 1905, AND FILED IN THE TOMPKINS COUNTY CLERK'S OFFICE ON AUGUST 31, 1906, AND

ALSO, ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN AND CITY OF ITHACA, COUNTY OF TOMPKINS AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE PRESENT CENTER LINE OF STONE QUARRY ROAD (ONCE KNOWN AS TEERS ROAD), SAID POINT OF BEGINNING BEING THE INTERSECTION OF THE PRESENT CENTER LINE OF STONE QUARRY ROAD AND THE NORTHERLY RIGHT OF WAY LINE OF LANDS OF LEHIGH VALLEY RAILROAD (FORMERLY THE DELAWARE, LACKAWANNA AND WESTERN RAILROAD), SAID POINT OF BEGINNING ALSO BEING LOCATED THIRTY-THREE (33) FEET NORTHERLY FROM THE CENTER LINE STATIONS THIRTEEN THOUSAND SIX HUNDRED FORTY-FOUR PLUS NINETY FOUR (13644 + 94) ± AS SHOWN ON MAP ENTITLED "RIGHT OF WAY AND TRACK MAP - ITHACA BRANCH - ITHACA YARD TRACKS - LEHIGH VALLEY R.R. COMPANY", DATED DECEMBER 6, 1956.

RUNNING THENCE (1) ALONG THE NORTHERLY RIGHT OF WAY LINE OF SAID RAILROAD NORTH 67° 52' 50" EAST FIFTY-SIX AND FIFTY-SEVEN HUNDREDTHS (56.57) FEET TO A PIPE, SAID PIPE MARKING THE INTERSECTION OF THE NORTHERLY RIGHT OF WAY LINE OF SAID RAILROAD AND THE EASTERLY HIGHWAY LINE OF STONE QUARRY ROAD;

RUNNING THENCE (2) ON A CURVE TO THE LEFT ALONG THE LANDS REPUTEDLY OF HOLLISTER A DISTANCE OF TWO HUNDRED SIXTY-SEVEN AND FIFTY HUNDREDTHS (267.50) FEET TO A CONCRETE MONUMENT, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 63° 32' 37" EAST TWO HUNDRED SIXTY-SEVEN AND TWENTYFOUR HUNDREDTHS (267.24) FEET;

RUNNING THENCE (3) NORTH 60° 08' 00" EAST ALONG THE REMAINS OF AN OLD FENCE LINE AND CONTINUING ALONG THE LANDS REPUTEDLY OF HOLLISTER, RUNSEY, AND ROEDEL, A TOTAL DISTANCE OF SEVEN HUNDRED FORTY-THREE AND FORTY-NINE HUNDREDTHS (743.49) FEET TO A CONCRETE MONUMENT;

RUNNING THENCE (4) ON A CURVE TO THE LEFT ALONG LANDS REPUTEDLY OF ROEDEL, LUCENTE, WHITING, AND O'NEIL A DISTANCE OF FOUR HUNDRED SIXTY-TWO AND FIFTY-THREE HUNDREDTHS (462.53) FEET, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 56° 03' 51" EAST FOUR HUNDRED SIXTY-TWO AND FOURTEEN HUNDREDTHS (462.14) FEET;

RUNNING THENCE (5) ON A CURVE TO THE LEFT AND ALONG THE LANDS REPUTEDLY OF O'NEIL AND CONSOLIDATED GAS SUPPLY CORPORATION A TOTAL DISTANCE OF SIX HUNDRED FIFTEEN AND SIXTY-FOUR HUNDREDTHS (615.64) FEET TO A CONCRETE MONUMENT, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 48° 54' 32" EAST SIX HUNDRED FIFTEEN AND THIRTY-THREE HUNDREDTHS (615.33) FEET;

RUNNING THENCE (6) NORTH 45° 43' 49" EAST ALONG LANDS REPUTEDLY OF CONSOLIDATED GAS SUPPLY CORPORATION, NEW YORK STATE NATURAL GAS CORPORATION, BORG-WARNER CORPORATION AND NEW YORK STATE ELECTRIC AND GAS CORPORATION A TOTAL DISTANCE OF ONE THOUSAND TWO HUNDRED FOUR AND SIXTY-FIVE HUNDREDTHS (1204.65) FEET TO A POINT;

RUNNING THENCE (7) ON A CURVE TO THE RIGHT ALONG LANDS REPUTEDLY OF NEW YORK STATE ELECTRIC

AND GAS CORPORATION AND BORG-WARNER CORPORATION A TOTAL DISTANCE OF FOUR HUNDRED NINETY-FOUR AND ONE HUNDREDTHS (494.01) FEET TO A POINT, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 52° 15' 05" EAST FOUR HUNDRED NINETY-TWO AND NINETY-SIX HUNDREDTHS (492.96) FEET;

RUNNING THENCE (8) NORTH 58° 44' 17" EAST ALONG THE NORTHERLY RIGHT OF WAY LINE OF SAID RAILROAD AND ALONG LANDS REPUTEDLY OF BORG-WARNER CORP. FOUR HUNDRED THIRTY-SEVEN AND NINETY-ONE HUNDREDTHS (437.91) FEET TO A PIPE, SAID PIPE MARKING THE INTERSECTION OF THE RAILROAD RIGHT OF WAY AND THE EAST STREET LINE OF TURNER PLACE, THENCE CONTINUING ON SAID COURSE ONE HUNDRED SIXTY-ONE AND EIGHT TENTHS (161.8) FEET TO A PIPE, SAID LINE BEING ALONG PREMISES REPUTEDLY OF ANDREWS, AND SAID PIPE MARKING THE INTERSECTION OF THE RAILROAD RIGHT OF WAY AND THE SOUTH LINE OF FOUNTAIN STREET (AN UNOPENED STREET); THENCE CONTINUING ALONG SAID COURSE EIGHTY AND TWO TENTHS (80.2) FEET TO A PIPE MARKING THE INTERSECTION OF THE RAILROAD RIGHT OF WAY LINE AND THE NORTHERLY LINE OF FOUNTAIN STREET;

RUNNING THENCE (9) SOUTH 89° 17' 06" EAST ALONG THE NORTHERLY LINE OF FOUNTAIN STREET A DISTANCE OF SEVEN AND SIXTY HUNDREDTHS (7.60) FEET TO A PIPE, SAID PIPE MARKING THE SOUTHWEST CORNER OF LANDS CONVEYED TO THE CAYUGA AND SUSQUEHANNA RAILROAD BY GEORGE TALMAN (DEEDS BOOK 63, PAGE 18);

RUNNING THENCE (10) NORTH 08° 33' 52" EAST ALONG THE WEST LINE OF LANDS CONVEYED BY TALMAN A DISTANCE OF SEVEN AND NO HUNDREDTHS (7.00) FEET TO A PIPE, SAID PIPE MARKING THE INTERSECTION OF THE NORTHERLY LINE OF THE RAILROAD RIGHT OF WAY AND THE WEST LINE OF TALMAN, SAID PIPE ALSO MARKING THE SOUTHWEST CORNER OF LANDS REPUTEDLY OF VARAK;

RUNNING THENCE (11) NORTH 62° 27' 22" EAST ALONG THE RAILROAD RIGHT OF WAY THIRTEEN AND FORTY-FOUR HUNDREDTHS (13.44) FEET TO A PIPE;

RUNNING THENCE (12) ON A CURVE TO THE RIGHT, ALONG THE LANDS REPUTEDLY OF VARAK, LEDGER AND SNOWDEN, A DISTANCE OF ONE HUNDRED SIXTY-SEVEN AND TEN HUNDREDTHS (167.10) FEET TO A CONCRETE MONUMENT, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 61° 22' 01" EAST, ONE HUNDRED SIXTY-SEVEN AND FOUR HUNDREDTHS (167.04) FEET;

RUNNING THENCE (13) ON A CURVE TO THE RIGHT, ALONG THE LANDS REPUTEDLY OF SNOWDEN, CHACONA, HEAVNER AND STERLING, A DISTANCE OF ONE HUNDRED THIRTY-NINE AND EIGHTEEN HUNDREDTHS (139.18) FEET TO A POINT, SAID POINT HAVING A CHORD BEARING AND DISTANCE OF NORTH 66° 44' 49" EAST, ONE HUNDRED THIRTY-NINE AND EIGHTEEN HUNDREDTHS (139.18) FEET;

RUNNING THENCE (14) ON A CURVE TO THE RIGHT, ALONG THE LANDS REPUTEDLY OF STERLING, A DISTANCE OF FORTY-SIX AND EIGHT HUNDREDTHS (46.08) FEET TO A CONCRETE MONUMENT LOCATED IN THE WESTERLY STREET LINE OF SOUTH AURORA STREET, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 70° 13' 23 " EAST, FORTY-SIX AND SIX HUNDREDTHS (46.06) FEET;

RUNNING THENCE (15) SOUTH 05° 42' 23" WEST ALONG THE WESTERLY STREET LINE OF SOUTH AURORA STREET A DISTANCE OF SEVENTY-TWO AND FORTY-TWO HUNDREDTHS (72.42) FEET TO A PIPE, SAID PIPE MARKING THE SOUTHERLY RAILROAD RIGHT OF WAY;

RUNNING THENCE (16) ON A CURVE TO THE LEFT A DISTANCE OF SEVEN AND FIFTY-EIGHT HUNDREDTHS (7.58) FEET TO A PIPE, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH 68° 35' 49" WEST, SEVEN AND FIFTY-EIGHT HUNDREDTHS (7.58) FEET;

RUNNING THENCE (17) ON A CURVE TO THE LEFT, PASSING THROW A CONCRETE MONUMENT AT TWO HUNDRED FIFTY-FOUR AND FIFTY-FOUR HUNDREDTHS (254.54) FEET ALONG THE PREMISES REPUTEDLY OF MARSDEN A TOTAL DISTANCE OF THREE HUNDRED AND FORTY HUNDREDTHS (300.40) FEET TO A POINT, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH SIXTY-THREE DEGREES FIFTY-ONE MINUTES SEVENTEEN SECONDS WEST (S 63° 51' 17" W), THREE HUNDRED (300) FEET;

RUNNING THENCE (18) SOUTH FIFTY-EIGHT DEGREES FORTY-FOUR MINUTES SEVENTEEN SECONDS WEST (S 58° 44' 17" W) A DISTANCE OF SEVEN HUNDRED FOUR AND NINE HUNDREDTHS (704.09) FEET TO A POINT;

RUNNING THENCE (19) ON A CURVE TO THE LEFT A DISTANCE OF FOUR HUNDRED SEVENTY-NINE AND TEN HUNDREDTHS (479.10) FEET TO A POINT, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH FIFTY-TWO DEGREES FIFTEEN MINUTES SIX SECONDS WEST (S 52° 15' 06" W) A DISTANCE OF FOUR HUNDRED SEVENTY-EIGHT AND FIVE HUNDREDTHS (478.05) FEET;

RUNNING THENCE (20) SOUTH FORTY-FIVE DEGREES FORTY-SIX MINUTES FIFTY SECOND WEST (S 45° 46' 50" W) A DISTANCE OF ONE THOUSAND TWO HUNDRED FOUR AND SIXTY-ONE HUNDREDTHS (1,204.61) FEET TO A CONCRETE MONUMENT;

RUNNING THENCE (21) ON A CURVE TO THE RIGHT A DISTANCE OF SIX HUNDRED TWENTY-TWO AND EIGHTY-FOUR HUNDREDTHS (622.84) FEET TO A CONCRETE MONUMENT, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH FORTY-EIGHT DEGREES FORTY-EIGHT MINUTES FIFTY-ONE SECOND WEST (S 48° 48' 51" W), SIX HUNDRED TWENTY-TWO AND FIFTY-THREE HUNDREDTHS (622.53) FEET;

RUNNING THENCE (22) ON A CURVE TO THE RIGHT A DISTANCE OF FOUR HUNDRED SEVENTY-ONE AND EIGHTY-NINE HUNDREDTHS (471.89) FEET TO A CONCRETE MONUMENT, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH FIFTY-SIX DEGREES SEVEN MINUTES FOUR SECONDS WEST (S 56° 07' 04" W), FOUR HUNDRED SEVENTY-ONE AND ONE HUNDREDTHS (471.01) FEET;

RUNNING THENCE (23) SOUTH SIXTY DEGREES SEVEN MINUTES THIRTY-SIX SECONDS WEST (S 60° 07' 36" W) ALONG THE LANDS REPUTEDLY OF BORG-WARNER AND BENJAMIN A TOTAL DISTANCE OF SEVEN HUNDRED FORTY-TWO AND NINETY HUNDREDTHS (742.90) FEET TO A CONCRETE MONUMENT;

RUNNING THENCE (24) ON A CURVE TO THE RIGHT AND ALONG THE LANDS REPUTEDLY OF BENJAMIN A DISTANCE OF THREE HUNDRED AND TWENTY-TWO HUNDREDTHS (300.22) FEET TO A CONCRETE MONUMENT, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH SIXTY-FOUR DEGREES SEVENTEEN MINUTES FIFTY-SEVEN SECONDS WEST (S 64° 17' 57" W) TWO HUNDRED NINETY-NINE AND NINETY-SIX HUNDREDTHS (299.96) FEET;

RUNNING THENCE (25) SOUTH SIXTY-SEVEN DEGREES FIFTY-TWO MINUTES FIFTY SECONDS WEST (S 67° 52' 50" W) ALONG THE LANDS REPUTEDLY OF FARRELL, PASSING THROUGH A PIPE AT SEVENTY-THREE AND FORTY-FOUR HUNDREDTHS (73.44) FEET, SAID PIPE BEING NORTH SIXTY-SEVEN DEGREES FIFTY-TWO MINUTES FIFTY SECONDS EAST (N 67° 52' 50" E) TEN (10) FEET FROM THE INTERSECTION OF THE SOUTHERLY RAILROAD RIGHT OF WAY AND THE EASTERLY HIGHWAY LINE OF STONE QUARRY ROAD, A TOTAL DISTANCE OF ONE HUNDRED SEVENTY-THREE AND NINETY-FOUR HUNDREDTHS (173.94) FEET TO THE PRESENT CENTER LINE OF STONE QUARRY ROAD;

RUNNING THENCE (26) NORTHERLY ALONG THE PRESENT CENTER LINE OF STONE QUARRY ROAD THE FOLLOWING COURSES: NORTH FIFTY-FIVE DEGREES FORTY-NINE MINUTES FORTY-TWO SECONDS EAST (N 55° 49' 42" E) SIXTY AND FIFTY-ONE HUNDREDTHS (60.51) FEET; NORTH THIRTY EIGHT DEGREES THREE MINUTES NINETEEN SECOND EAST (N 38° 03' 19" E) FIFTY-TWO AND SIXTY-NINE HUNDREDTHS (52.69) FEET; NORTH THIRTY-THREE DEGREES TWENTY-FIVE MINUTES THIRTY-EIGHT SECONDS EAST (N 33° 25' 38" E) FORTY-THREE AND SIXTY-SIX HUNDREDTHS (43.66) FEET TO THE POINT OR PLACE OF BEGINNING.

ALSO, ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ITHACA, COUNTY OF TOMPKINS, STATE OF NEW YORK, AND MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WEST LINE OF SOUTH AURORA STREET AT ITS INTERSECTION WITH THE SOUTHERLY LINE OF THE RIGHT OF WAY OF THE FORMER LEHIGH VALLEY RAILROAD, NOW OWNED BY BORG WARNER CORPORATION (SEE LIBER 556 OF DEEDS AT PAGE 1081); THENCE SOUTHERLY ALONG THE WEST LINE OF SOUTH AURORA STREET 152.5 FEET, MORE OR LESS, TO OTHER LANDS OF BORG WARNER CORPORATION; THENCE WESTERLY ALONG A NORTHERLY LINE OF SAID LANDS OF BORG WARNER

CORPORATION 245 FEET, MORE OR LESS, TO THE SOUTHERLY LINE OF SAID RAILROAD RIGHT OF WAY; THENCE NORTHEASTERLY ALONG THE SAID SOUTHERLY LINE OF SAID RAILROAD RIGHT OF WAY TO THE POINT OR PLACE OF BEGINNING.

PARCEL 2

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ITHACA, TOMPKINS COUNTY, NEW YORK, SHOWN ON A SURVEY MAP ENTITLED "BOUNDARY AND TOPOGRAPHIC MAP, NATIONAL CASH REGISTER CO. PROPERTY ON SOUTH AURORA ST., CITY OF ITHACA, TOMPKINS CO., N.Y.", BY THOMAS G. MILLER, ENGINEER AND SURVEYOR, ITHACA, NEW YORK, DATED FEBRUARY 7, 1974, REVISED OCTOBER 14, 1976, A COPY OF WHICH WAS FILED IN THE TOMPKINS COUNTY CLERK'S OFFICE ON FEBRUARY 23, 1977 IN ENVELOPE 144, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A PIPE SET IN THE WESTERLY LINE OF SOUTH AURORA STREET (AT THE WESTERLY EDGE OF THE EXISTING CONCRETE SIDEWALK), SAID PIPE BEING A CHORD DISTANCE OF 114.6 FEET SOUTHERLY ALONG THE WEST LINE OF SOUTH AURORA STREET FROM AN IRON PIPE MARKING THE NORTHEAST CORNER OF PREMISES OF BORGWARNER CORPORATION (SAID LAST MENTIONED PIPE ALSO MARKING THE SOUTHEAST CORNER OF PREMISES DEEDED TO SARAH H. MARSDEN AT 285 DEEDS, PAGE 473);

RUNNING THENCE THE FOLLOWING COURSES AND DISTANCES (MERIDIAN 1947):

1. NORTH 83° 02' WEST A DISTANCE OF 190.5 FEET TO AN IRON PIPE;

2. SOUTH 62° 38' WEST A DISTANCE OF 120.2 FEET TO AN IRON PIPE;

3. NORTH 72° 48' WEST A DISTANCE OF 59.6 FEET TO AN IRON PIPE;

4. NORTH 46° 07' WEST A DISTANCE OF 45.0 FEET TO A NAIL SET;

5. SOUTH 47° 00' WEST A DISTANCE OF 99.0 FEET TO A FOUR INCH DIAMETER GALVANIZED IRON GATE POST;

6. SOUTH 38° 55' WEST A DISTANCE OF 172.3 FEET TO AN IRON PIN (SAID IRON PIN BEING 15.5 FEET FROM THE NORTHWESTERLY FACE OF THE NATIONAL CASH REGISTER BUILDING);

7. SOUTH 37° 08' WEST A DISTANCE OF 183.4 FEET TO AN IRON PIPE (SAID PIPE BEING 4.55 FEET FROM THE NORTHWESTERLY FACE OF THE NATIONAL CASH REGISTER BUILDING);

8. SOUTH 04° 00' EAST ALONG THE WESTERLY FACE OF A CONCRETE WALL A DISTANCE OF 70.00 FEET TO A POINT;

9. THENCE ON A CURVE TO THE RIGHT HAVING A CHORD BEARING OF SOUTH 27° 34' WEST A CHORD DISTANCE OF 60 FEET AND MIDDLE ORDINATE DISTANCE OF 6 FEET TO A POINT;

10. SOUTH 38° 30' EAST A DISTANCE OF 95 FEET TO A POINT ON AN EXISTING FENCE LINE;

11. SOUTH 31° 06' EAST IN PART ALONG SAID FENCE LINE A DISTANCE OF 137.4 FEET TO AN IRON PIPE AT THE NORTHWESTERLY CORNER OF A BLOCK WALL, SAID PIPE MARKING THE NORTHWESTERLY CORNER OF PREMISES REPUTEDLY OF RAPONI.

THE ABOVE COURSES AND DISTANCES ALL BEING ALONG THE SOUTHERLY AND EASTERLY BOUNDARY OF LANDS OF BORG-WARNER CORPORATION;

12. SOUTH 73° 35' EAST ALONG THE NORTHERLY LINE OF SAID RAPONI A DISTANCE OF 72.3 FEET TO AN IRON PIN;

13. SOUTH 55° 48' EAST ALONG THE NORTHERLY LINE OF SAID RAPONI A DISTANCE OF 32.0 FEET TO AN IRON PIN AT THE WESTERLY EDGE OF A CONCRETE WALK AND THE WESTERLY LINE OF SOUTH AURORA STREET;

14. NORTH 36° 24' EAST ALONG THE WESTERLY LINE OF SOUTH AURORA STREET A DISTANCE OF 28.0 FEET TO A POINT MARKING THE SOUTHEAST CORNER OF PREMISES OF POKERWINSKI (DEED BOOK 365 AT PAGE 165), SAID POINT BEING 1.4 FEET NORTHWEST OF AN EXISTING IRON PIN;

15. NORTH 64° 44' WEST ALONG THE SOUTHERLY LINE OF SAID POKERWINSKI A DISTANCE OF 101.0 FEET FROM THE SAID WESTERLY
LINE OF SOUTH AURORA STREET TO AN IRON PIPE AT THE SOUTHWESTERLY CORNER OF SAID POKERWINSKI;

16. NORTH 36° 24' EAST ALONG THE NORTHWESTERLY LINE OF PREMISES OF POKERWINSKI, PEARSON, STANLEY, DYER AND HOOVER, A TOTAL DISTANCE OF 413 FEET TO AN IRON FENCE POST AT THE MOST NORTHERLY CORNER OF SAID HOOVER PREMISES;

17. SOUTH 53° 36' EAST ALONG THE NORTHEASTERLY LINE OF HOOVER A DISTANCE OF 100 FEET TO AN IRON PIPE AT THE WEST EDGE OF THE EXISTING CONCRETE WALK AND THE WESTERLY LINE OF SOUTH AURORA STREET;

18. THENCE NORTHWESTERLY ALONG THE WESTERLY LINE OF SOUTH AURORA STREET AS MARKED BY THE WESTERLY EDGE OF THE EXISTING CONCRETE SIDEWALK AS IT CURVES TO THE LEFT A DISTANCE OF 411.6 FEET TO THE POINT OR PLACE OF BEGINNING.

EXCEPTING PREMISES APPROPRIATED BY THE PEOPLE OF THE STATE OF NEW YORK BY APPROPRIATION RECORDED MAY 10, 1966 IN LIBER 462 OF DEEDS, PAGE 564.

Schedule B

NCR Sewer Line Area

(see attached)

RICHARD M. RYBINSKI, L.S.
8236 Indian Hill Road, ~ Manlius, NY 13104
Phone (315)682-4852 ~ Fax (315)682-4852 ~ Email rmrls@twcny.rr.com

Legal Description:
Emerson Power Transmission Corporation
80 feet NCR AND Ithaca College
Sewer Line Area Easements
Within the Unrestricted Area
Ithaca, NY

80 feet Easement NCR Sewer Line Area
Main Sanitary Sewer Trunk

An 80 feet easement and right of way centered on the existing 20' sanitary sewer right of way recorded in the Tompkins County Clerk's Office in Book of Deeds 395 and Page 489 across and under its premises located on Military Lot 85 in the Town of Ithaca, County of Tompkins and State of New York being a portion of lands of Emerson Power Transmission Corporation recorded in the Tompkins County Clerk's Office in Book of Deeds 2014 and Page 14695 known as the 34.336 acres more or less parcel shown on a map titled ""NCR and Ithaca College Sewer Line Areas through the Unrestricted Lands of Emerson Power Transmission Corp." prepared by Richard M. Rybinski, L.S. dated November 26, 2010 and revised to show the NCR and Ithaca College Sewer Line Areas dated August 23, 2018. A reduced-sized copy of which is attached hereto and made a part hereof.

The centerline of the easement intended to be conveyed herein is more particularly described as follows: beginning at a point on the south line of lands of said Emerson Transmission Corp., said point being S 87°29'58" W and a distance of 30.64' from an iron pipe at the southeast corner of lands of said Emerson, said point also being N 15°32'20" E and a distance of 3.70' from sanitary manhole MH-12 on the lands of South Hill Business Campus, LLC recorded in the Tompkins County Clerk's Office in Book of Deeds 46586 and Page 9001; thence N 15°32'20" E a distance of 964.13' to manhole MH-7; thence N 35°27'06" E a distance of 308.59' to a point on a concrete raceway and a point on the boundary line of the said Unrestricted Area as shown on said map, said point being S 35°27'06" W a distance of 167.42' from manhole MH-6 and is the end point of the said 80 feet easement.

The right of way hereby granted is for a width of 40 feet on each side of the said existing center line of the sanitary sewer right of way with a total width of 80 feet containing 2.260 acres more or less.

Subject to easements, covenants and restrictions of record as the same may now be in force and effect. Bearings are related to NAD83 CNY Zone.

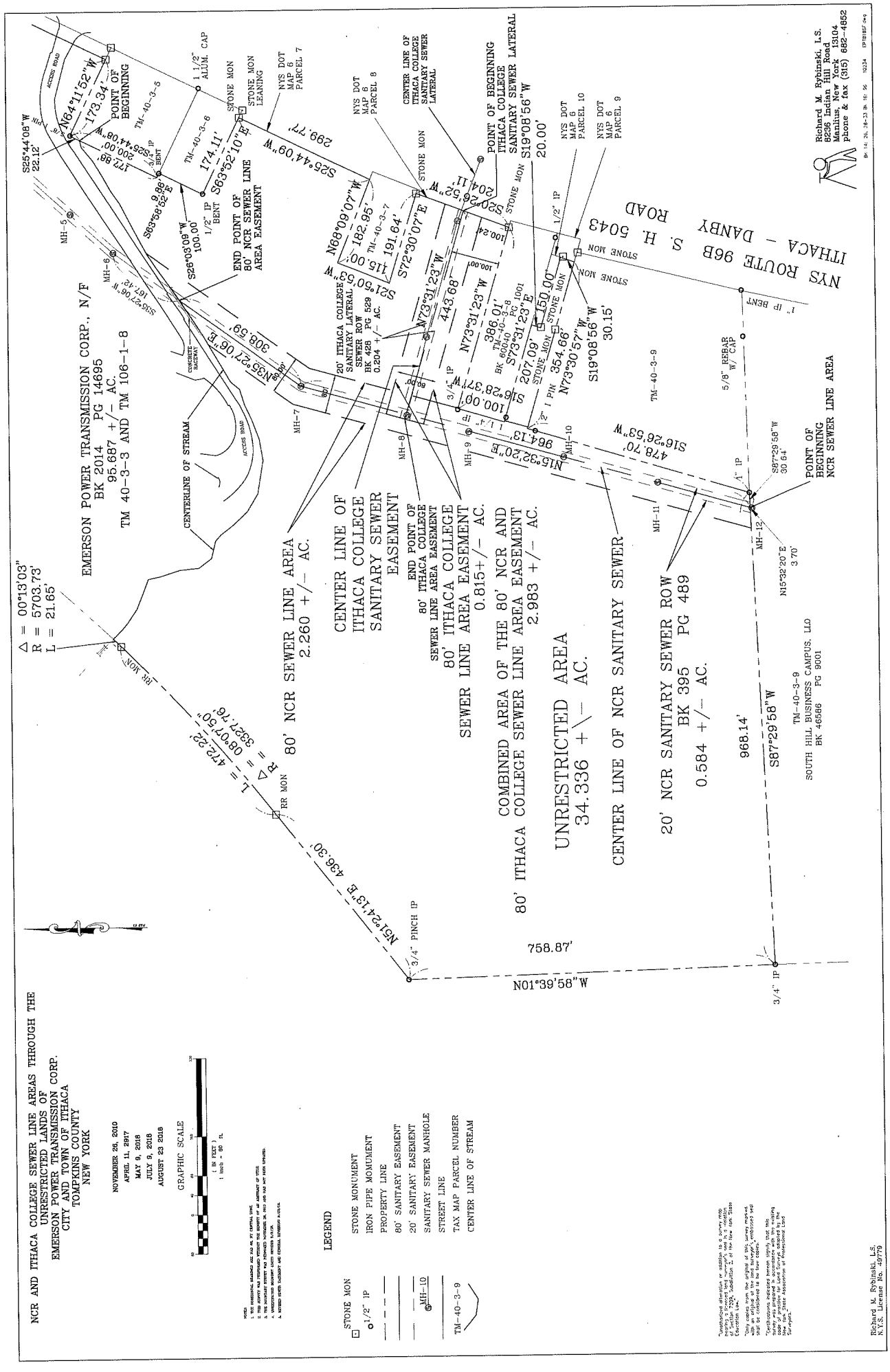
80 Feet Easement Ithaca College Sewer Line Lateral Area
Lateral Sanitary Sewer Trunk

An 80 feet easement and right of way centered on the existing 20' Ithaca College Lateral Sanitary Sewer right of way recorded in the Tompkins County Clerk's Office in Book of Deeds 428 and Page 529 across and under its premises located in the said Unrestricted Area of the said lands of Emerson Power Transmission Corp., the location of such 80 feet Lateral Area easement as shown on a map titled ""NCR and Ithaca College Sewer Line Areas through the Unrestricted Lands of Emerson Power Transmission Corp." prepared by Richard M. Rybinski, L.S. dated November 26, 2010 and revised to show the NCR and Ithaca College Sewer Line Areas dated August 23, 2018. A reduced-sized copy of which is attached hereto and made a part hereof.

The centerline of the easement intended to be conveyed herein is more particularly described as follows: beginning at a point on the northwesterly street line of NYS Route 96B (Ithaca – Danby Road), said point N 20°26'52" E a distance of 100.24' from the southwest corner of New York State Department of Transportation Map No. 6 Parcel 8 and also being a point on the northerly line of Town of Ithaca Tax Map Parcel 40-3-8 as recorded in Tompkins County Clerk's Office in Book 60040 Page 1001 marked by a stone monument; thence N 73°31'23" W parallel with and northerly 100' of the said north line of Tax Map Parcel 4-3-8 a distance of 443.68' through lands of said Emerson Transmission Corporation, now or formerly as recorded in Tompkins County Clerk's Office in Book 2014 Page 14695 to the westerly line of the NCR 20 feet sanitary sewer easement as recorded in Tompkins County Clerk's Office in Book 395 Page 489 and is the end point of the said 80 feet easement.

The right of way hereby granted is for a width of 40 feet on each side of the existing center line of the said sanitary sewer right of way with a total width of 80 feet containing 0.815 acres more or less.

Subject to easements, covenants and restrictions of record as the same may now be in force and effect. Bearings are related to NAD83 CNY Zone.


NCR AND ITHACA COLLEGE SEWER LINE AREAS THROUGH THE UNRESTRICTED LANDS OF EMERSON POWER TRANSMISSION CORP.
CITY AND TOWN OF ITHACA
TOMPKINS COUNTY
NEW YORK
NOVEMBER 25, 2010
APRIL 11, 2017
MAY 9, 2018
JULY 9, 2018
AUGUST 23 2018
GRAPHIC SCALE
(IN FEET)
1 inch = 60 ft.
LEGEND
STONE MON STONE MONUMENT
1/2" IP IRON PIPE MONUMENT
PROPERTY LINE
80' SANITARY EASEMENT
20' SANITARY EASEMENT
MH-10 SANITARY SEWER MANHOLE
STREET LINE
TM-40-3-9 TAX MAP PARCEL NUMBER
CENTER LINE OF STREAM
EMERSON POWER TRANSMISSION CORP., N/F
BK 2014 PG 14695
95.687 +/- AC.
TM 40-3-3 AND TM 106-1-8
NYS ROUTE 96B S. H. 5043
ITHACA - DANBY ROAD
POINT OF BEGINNING
POINT OF BEGINNING
END POINT OF 80' NCR SEWER LINE AREA EASEMENT
END POINT OF 80' ITHACA COLLEGE SEWER LINE AREA EASEMENT
80' NCR SEWER LINE AREA
2.260 +/- AC.
CENTER LINE OF ITHACA COLLEGE SANITARY SEWER EASEMENT
80' ITHACA COLLEGE SEWER LINE AREA EASEMENT
0.815+/- AC.
COMBINED AREA OF THE 80' NCR AND 80' ITHACA COLLEGE SEWER LINE AREA EASEMENT
2.983 +/- AC.
UNRESTRICTED AREA
34.336 +/- AC.
CENTER LINE OF NCR SANITARY SEWER
20' NCR SANITARY SEWER ROW
BK 395 PG 489
0.584 +/- AC.
SOUTH HILL BUSINESS CAMPUS, LLC
BK 46566 PG 9001
TM-40-3-9
Richard M. Rybinski, L.S.
8236 Indian Hill Road
Manlius, New York 13104
phone & fax (315) 682-4652
Richard M. Rybinski, L.S.
N.Y.S. License No. 49779

APPENDIX

D ANNUAL SITE-WIDE INSPECTION FORMS

ANNUAL SITE-WIDE INSPECTION FORM

Site Name:	Former Emerson Power Transmission Facility	**Site No.:**	755010		
Address	620 South Aurora Street	**City:**	Ithaca		
County:	Tompkins	**State:**	NY	**Zip:**	14850

Inspector's Contact Information

Name:	David Rykaczewski	**Affiliation:**	WSP				
E-mail	dave.rykaczewski@wsp.com	**Phone:**	412-375-0282				
Address:	11 Stanwix St., Suite 950	**City:**	Pittsburgh	**State:**	PA	**Zip:**	15222

Inspection Information

Type: ☒ Site-Wide Inspection (routine) ☐ Non-routine/Emergency

Date:	March 13, 2025	**Arrival Time:**	08:30	**Departure Time:**	12:30
Weather:	Sunny, low 50 / high 60				

Event Description (if non-routine or emergency):

SECTION 1 – INSTITUTIONAL CONTROLS

Institutional Controls (ICs) in the Record of Decision Amendment (AROD) and Interim Site Management Plan (SMP) include:

- The property may be used for: restricted residential, commercial, and/or industrial uses as shown on Figure 10 of the Interim SMP
- All Engineering Controls (ECs) must be operated and maintained as specified in this Interim SMP;
- All ECs must be inspected at a frequency and in a manner defined in the Interim SMP;
- The use of groundwater underlying the property is restricted as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or the Tompkins County Department of Health;
- Groundwater and other environmental or public health monitoring must be performed as defined in this Interim SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this Interim SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this Interim SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this Interim SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this Interim SMP;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for soil vapor intrusion (SVI) must be evaluated for any occupied buildings, existing or new, within the IC boundaries noted on Figure 8 of the Interim SMP, and any potential impacts that are identified must be monitored or mitigated;
- Vegetable gardens shall be performed in raised beds following approval of the NYSDEC. Farming on the Site is prohibited, unless indoors such as a hydroponic growing operation;
- Should a building foundation or building slab be removed in the future, a cover system will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable SCOs in the restricted residential area of the Site, and the upper 1 foot of exposed soil exceeds the applicable SCO in the commercial and industrial areas of the Site;
- Complete and submit to the NYSDEC a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3); and

– An evaluation shall be performed to determine the need for further investigation and remediation should large scale redevelopment occur, if any of the existing structures are demolished, or if the subsurface is otherwise made accessible. If new areas of contamination are identified after demolition of existing structures and/or removal of building slabs, the nature and extent of contamination in such areas where access was previously limited or unavailable will be immediately and thoroughly investigated pursuant to either an amended Excavation Work Plan or another NYSDEC-approved work plan. Citizen Participation Plan activities will continue, as necessary, through this process. Any required remediation will be completed prior to or in association with redevelopment.

1. Is the property being used for purposes other than those allowed and where boundaries have been established? Yes ☐ No ☒
2. Are all engineering controls (see next section) in operation and maintained? Yes ☒ No ☐
3. Is the Site groundwater being used for any purpose other than remediation and monitoring? Yes ☐ No ☒
4. Are restricted vegetable gardens or other farm activities present? Yes ☐ No ☒
5. Is there evidence of building demolition, slab removal, soil excavation, or other land disturbance at the Site that were not addressed in accordance with the Interim SMP Appendix F - Excavation Work Plan? Yes ☐ No ☒
6. Is there occupancy of existing buildings or new buildings constructed within the IC boundaries that were not evaluated for soil vapor intrusion and mitigation? Yes ☐ No ☒

If the answer to any of the above questions is yes, notify NYSDEC immediately and describe below:

SECTION 2 – ENGINEERING CONTROLS

A. Cap and Cover System

a. Describe the general condition of the cap and cover system at the facility (See Interim SMP for locations of cap and cover system).

AOC 1 cap is performing as designed – no evidence of cracks in asphalt or openings in joints at the perimeter of the cap or at monitoring well surface mounts; no apparent damage observed in the new recovery well pads. Asphalt cover is in place at AOCs 28, 32, 34; no evidence of cracks in asphalt surfaces. Riprap/Gravel cover is in place at AOCs 27, 28 (lower), 29, 32 (ditches), 35C, 35G; no evidence of gravel erosion or undercutting. Soil cover and surface vegetation is in place at AOCs 28 (upper), 30, 31, 32, 34, 35A, 35D, and 35H; no evidence of erosion or distressed vegetation. AOCs 35K and 35L along the former rail spur were not inspected this period.

b. Were there any excavations or breaches of the cap and cover system during the reporting period? Yes ☐ No ☒

i. If yes, please describe the excavation or breach :

ii. Date of excavation or breach : _____/_____/_____

iii. Was the NYSDEC notified? Yes ☐ No ☐

c. Is there any damage to the cap and cover system that could compromise its effectiveness? Yes ☐ No ☒

i. If yes, please describe

d. Were any openings or repair(s) made to the cap and cover system during the reporting period? Yes ☐ No ☒

i. If yes, please describe the openings/repair

ii. Was the NYSDEC notified? Yes ☐ No ☐

e. Are there any visible cracks, fissures, erosion or other damage to the cap and cover system that could compromise its effectiveness? Yes ☐ No ☒

i. If yes, please describe

B. Dual Phase Extraction and Treatment System

a. Describe the general condition of the dual phase extraction and treatment system.

System was operating and appeared to be good condition during the inspection.

b. Is the dual phase extraction and treatment system performing as designed and does it continue to be protective of human health and the environment? Yes ☒ No ☐

i. If no, please describe the deviation (s) :

c. Is the dual phase extraction and treatment system being operated, maintained, and monitored in accordance with the Interim SMP? Yes ☒ No ☐

i. If no, please describe deviation(s):

d. Is all paperwork associated with operation of the dual phase extraction and treatment system up to date?

Yes ☒ No ☐

If no, please describe deviation(s):

C. Petroleum (NAPL) Recovery [Reserved – to be developed when petroleum recovery system installed]

D. Sub-slab Depressurization System [Reserved – to be developed when sub-slab depressurization system installed]

E. Re-route and Monitor Groundwater Seeps [Reserved – to be developed when re-route system installed]

SUMMARY OF GREEN REMEDIATION METRICS FOR SITE MANAGEMENT

Site Name:	Former Emerson Power Transmission Facility	**Site No.:**	755010		
Address	620 South Aurora Street	**City:**	Ithaca		
County:	Tompkins	**State:**	NY	**Zip:**	14850

Initial Report Period (Start Date of Period Covered by the Initial Report Submittal)

Start Date:	October 7, 2022	**To:**	December 31, 2022

Current Reporting Period

Period From:	January 1, 2024	**To:**	December 31, 2024

Preparer's Contact Information

Name:	David Rykaczewski	**Affiliation:**	WSP				
E-mail:	dave.rykaczewski@wsp.com	**Phone:**	412-375-0282				
Address:	11 Stanwix St., Suite 950	**City:**	Pittsburgh	**State:**	PA	**Zip:**	15222

I. Energy Usage: Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

	Current Reporting Period	**Total to Date**
Fuel Type 1 (e.g. natural gas (cf))	0	0
Fuel Type 2 (e.g. fuel oil, propane (gals))	0	0
Electricity (kWh)	142,184	514,846
Of that Electric usage, provide quantity:		
Derived from renewable sources (e.g. solar, wind)	0	0
Other energy sources (e.g. geothermal, solar thermal (Btu))	0	0

Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.

II. Solid Waste Generation: Quantify the management of solid waste generated on-site.

	Current Reporting Period (tons)	**Total to Date (tons)**
Total waste generated on-site		
OM&M generated waste	0.80	5.34
Of that total amount, provide quantity:		
Transported off-site to landfills	0.23	0.95
Transported off-site to other disposal facilities	0.57	4.39
Transported off-site for recycling/reuse	0	0
Reused on-site	0	0

Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.

SUMMARY OF GREEN REMEDIATION METRICS FOR SITE MANAGEMENT

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles)	**Total to Date (miles)**
Standby Engineer/Contractor	720	1,620
Laboratory Courier/Delivery Service	0	0
Waste Removal/Hauling	2,953	9,406

Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gal)	**Total to Date (gal)**
Total quantity of water used on-site	212,113	431,464
Of that total amount, provide quantity:		
Public potable water supply usage	1,500	4,000
Surface water usage	0	0
On-site groundwater usage (extracted groundwater for treatment)	210,613	427,464
Collected or diverted storm water usage (treated water discharge)	212,113	431,464

Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

	Current Reporting Period (acres)	**Total to Date (acres)**
Land disturbed	0	0
Land restored	0	0

Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.

SUMMARY OF GREEN REMEDIATION METRICS FOR SITE MANAGEMENT

Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage: None
Waste Generation: None
Transportation/Shipping: None
Water usage: None
Land Use and Ecosystems: None
Other: None

CERTIFICATION BY CONTRACTOR
I, David Rykaczewski (Name), do hereby certify that I am a Professional Engineer (Title) of WSP USA Inc. (Contractor Name), which is responsible for the work documented on this form. According to my knowledge and belief, all of the information provided in this form is accurate and the site management program complies with the DER-10, DER-31, and CP-49 policies. June 13, 2025 _____ **Date** **Contractor**

APPENDIX

E SPDES PERMIT EQUIVALENT AND MODIFICATION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233
www.dec.ny.gov

Emerson Electric Co.

Project Site Remediation
Wastewater Discharge SPDES Permit Equivalent

DRAINAGE BASIN: **07 / 05**

DER Site No: 7-55-010
Effective Date: **August 1, 2022**
Expiration Date: **July 31, 2027**

Discharger Name and Address:

Emerson Electric Co.
ATTN: Steve Clarke
8000 W. Florissant Ave, Station 1963
(314) 553 1953
Contact Email Address: steve.clarke@emerson.com

is authorized to discharge from the facility described below:

Emerson Electric Co.
620 South Aurora St.
Ithaca, NY 14850

From the following outfall(s):

Outfall No.	Outfall Description	Location	Receiving Water	WIN *	Class
01A	Treated Remediation Wastewater	42°25'57.18"N 76°29'53.95"W	Tributary of Cayuga Lake	0-66-12-P296-75-6	C
001	Stormwater, Ground water seepage and treated remedial wastewater	42°25'56.03"N 76°29'54.85"W	Tributary of Cayuga Lake	0-66-12-P296-75-6	C
009	Stormwater and Groundwater Seepage	42°25'51.67"N 76°29'59.86"W	Tributary of Cayuga Lake	0-66-12-P296-75-6	C
011	Groundwater seepage	42°25'56.46"N 76°29'55.25"W	Tributary of Cayuga Lake	0-66-12-P296-75-6	C

* Water Index Number

The discharges from the treatment facility shall be limited and monitored by the operator as specified below:

Outfall No. and Parameter	CAS No.	Discharge Limitations		Units	Minimum Monitoring Requirements		FN
		Monthly Avg.	Daily Max		Measurement Frequency	Sample Type	
Outfall 01A - Treated Remediation Discharge							
Flow		Monitor	Monitor	GPD	Monthly	Totalizer	
pH (range)	NA	6.5 – 8.5		SU	Monthly	Grab	
Temperature	NA		Monitor	°F	Monthly	Grab	
Tetrachloroethylene	00127-18-4		0.001	mg/l	Monthly	Grab	
Trichloroethylene	-		0.01	mg/l	Monthly	Grab	
Sum of Dichlorobenzenes	-		0.01	mg/l	Monthly	Grab	
Bromoform	00075-25-2		0.01	mg/l	Monthly	Grab	
Chlorobenzene	00108-90-7		0.005	mg/l	Monthly	Grab	
Chlorodibromomethane	00124-48-1		0.01	mg/l	Monthly	Grab	
Chloroform	00067-66-3		0.01	mg/l	Monthly	Grab	
Cyanide, Free	-	5.2	22	ug/l	Monthly	Grab	1
Dichlorobromomethane	00075-27-4		0.01	mg/l	Monthly	Grab	

1,1 Dichloroethane	00075-34-3		0.01	mg/l	Monthly	Grab	
1,1 – Dichloroethylene	00075-35-4		0.01	mg/l	Monthly	Grab	
Methylene Chloride	00065-09-2		0.01	mg/l	Monthly	Grab	
1,1,2,2- Tetrachloroethane	00079-34-5		0.01	mg/l	Monthly	Grab	
Toluene	00108-88-3		0.05	mg/l	Monthly	Grab	
1,2-(trans)-Dichloroethylene	00156-60-5		0.01	mg/l	Monthly	Grab	
1.2-(cis)-Dichloroethylene	00156-59-2		0.01	mg/l	Monthly	Grab	
1,1,1-Trichloroethane	00071-55-6		0.01	mg/l	Monthly	Grab	
Xylenes, Total	00095-47-6 00108-38-3 00106-42-3		0.01	mg/l	Monthly	Grab	
Vinyl Chloride	00075-01-4		0.01	mg/l	Monthly	Grab	
Benzene	00071-43-2		0.001	mg/l	Monthly	Grab	

Outfall No. and Parameter	CAS No.	Discharge Limitations		Units	Minimum Monitoring Requirements		FN
		Monthly Avg.	Daily Max		Measurement Frequency	Sample Type	
Outfall 001 - Stormwater, Groundwater Seepage and Treated Groundwater							
Flow	NA		Monitor	GPD	Monthly	Estimate	
pH (range)	NA	6.5 – 8.5		SU	Monthly	Grab	
Total Barium	07440-39-3		Monitor	mg/l	Quarterly	Grab	
Total Lead	07439-92-1		7.4	ug/l	Monthly	Grab	
Mercury	07439-97-6		Monitor	ng/l	Quarterly	Grab	2
Tetrachloroethylene	00127-18-4		0.001	mg/l	Monthly	Grab	
Trichloroethylene	-		0.01	mg/l	Monthly	Grab	
Cyanide, Free		5.2	22	ug/l	Quarterly	Grab	1

Outfall No. and Parameter	CAS No.	Discharge Limitations		Units	Minimum Monitoring Requirements		FN
		Monthly Avg.	Daily Max		Measurement Frequency	Sample Type	
Outfall 009 – Stormwater and Groundwater Seepage							
Cyanide, Free	-	5.2	22	ug/l	Quarterly	Grab	1

Footnotes: (see on the next page)

1: Free Cyanide is the sum of HCN and CN, expressed as CN. The WQBEL of 5.2 ug/l Monthly Average and 22 ug/l Daily Max for Cyanide will become effective on August 1, 2025. An interim limit of Monitor Only shall apply from August 1, 2022, until July 31, 2025.

2. Mercury shall be analyzed using USEPA Method 1631

Schedule of Compliance for Cyanide: The permittee shall comply with the following schedule:

Outfall No.	Parameters	Compliance Action	Due Date
009	Cyanide	The permittee shall monitor for Free Cyanide at the frequency specified in the effluent limit tables.	August 1, 2022
		Following 2 years of monitoring, permittee shall submit a report summarizing free Cyanide trends and if the final effluent limits are exceeded, measures to be taken to meet final limits and a schedule to be made enforceable under this permit equivalent. The schedule to address free cyanide exceedances shall not exceed 18 months.	September 30, 2024
		The facility shall meet effluent discharge limitations for Cyanide.	November 1, 2025
011	Cyanide	The discharge from Outfall 011 shall be sampled for Free Cyanide. A sample shall be collected during the first discharge of each month from Outfall 011 until three (3) samples have been collected.	March 1, 2023
		Sampling results shall be submitted to the DER project engineer.	

Additional Conditions:

1. Discharge is not authorized until such time as an engineering submission showing the method

of treatment is approved by the Department. The discharge rate may not exceed the effective or design treatment system capacity. A summary of the monthly monitoring data shall be submitted to the Department twenty-eight (28) days following the end of each monthly monitoring period. All monitoring data, engineering submissions and modification requests must be submitted to:

Karen A Cahill
Division of Environmental Remediation
NYSDEC R7
615 Erie Blvd West
Syracuse, NY 13204-2400
Tel: 315-426-7432
Email: karen.cahill@dec.ny.gov

2. Samples and measurements, to comply with the monitoring requirements specified above, must be taken from the effluent side of the final treatment unit prior to discharge to the receiving water body unless otherwise noted above.

3. Monitoring and analysis shall be conducted using sufficiently sensitive test procedures approved under 40 CFR Part 136 unless other test procedures have been specified in this permit equivalent.

4. Only site generated wastewater is authorized for treatment and discharge.

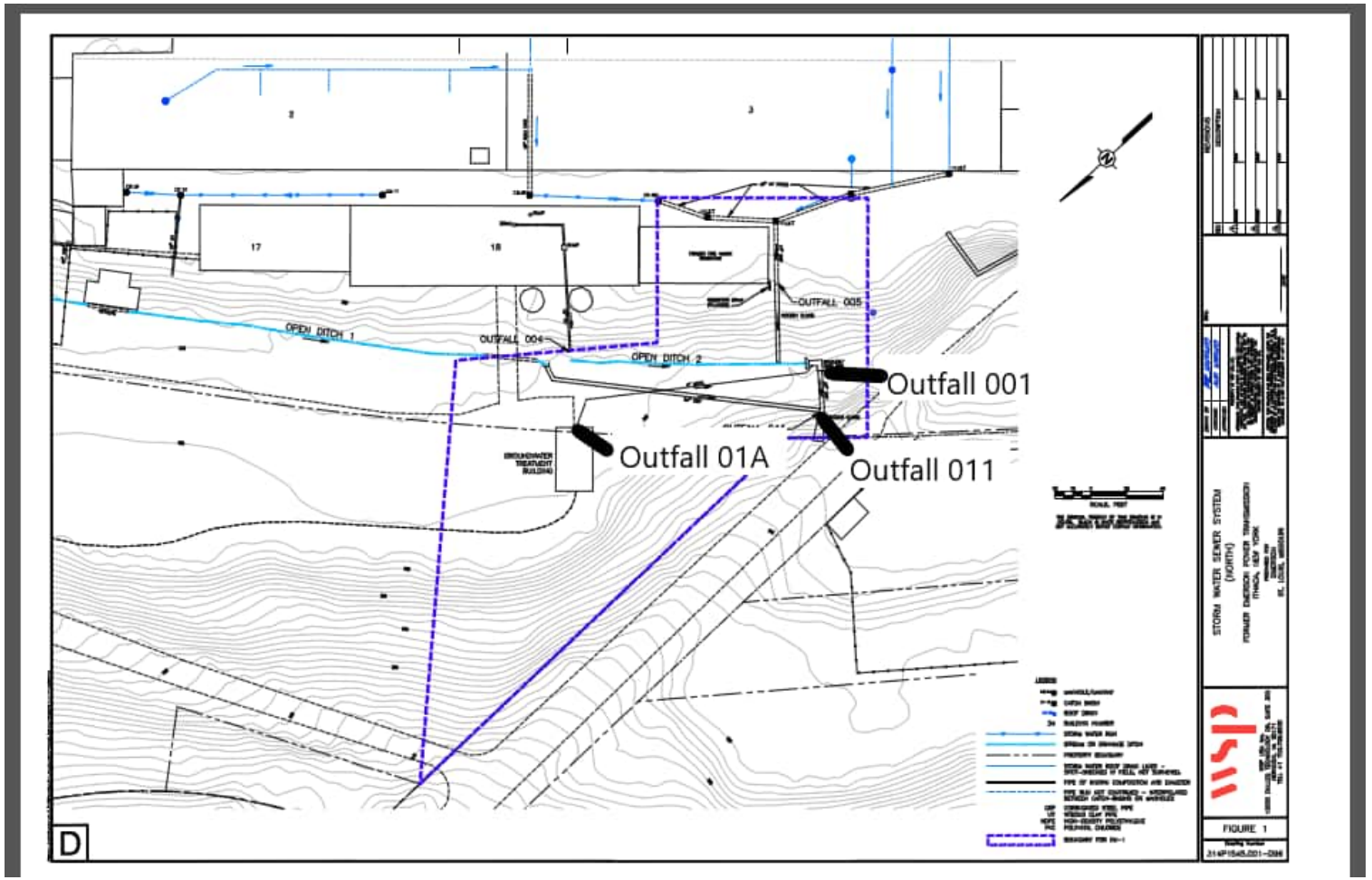
5. Authorization to discharge is valid only for the period noted above but may be renewed if appropriate. A request for renewal must be received 6 months prior to the expiration date to allow for a review of monitoring data and reassessment of monitoring requirements.

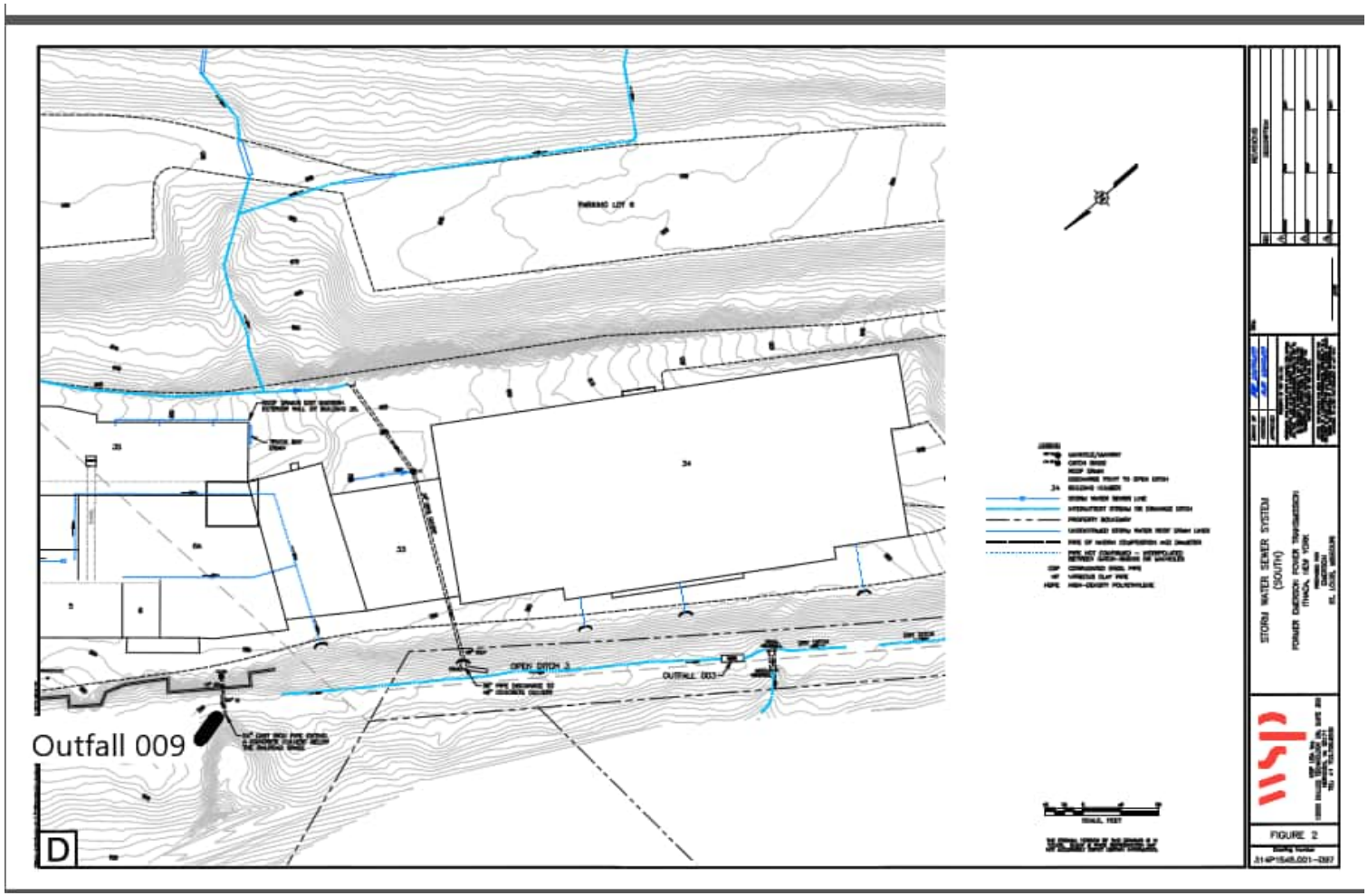
6. Any use of corrosion/scale inhibitors, biocidal-type compounds, or other water treatment chemicals used in the treatment process must be approved by the department prior to use.

7. This discharge and administration of this discharge must comply with the substantive requirements of 6NYCRR Part 750.

MONITORING LOCATIONS:

Outfall 001 and 01A




Outfall 009
D
STORM WATER SEWER SYSTEM (SOUTH)
FIGURE 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233
www.dec.ny.gov

M E M O R A N D U M
SPDES Permit Equivalent

TO: Karen A. Cahill, DER
FROM: Taylor Shanley, Bureau of Water Permits, DOW
SUBJECT: Modified SPDES Permit Equivalent: Emerson Electric Co., DER Site ID# 7-55-101
DRAINAGE BASIN: 07 / 05
DATE: **October 11, 2024**

In response to your request dated September 9, 2024, attached please find the effluent limitations and monitoring requirements for the above noted remediation discharge with the following changes:

Page 1: Changed the Water Index Number from 0-66-12-P 296-75-6 (Tribs. of Cayuga Inlet, Class C) to Ont. 0-66-12-P 296-75-5 (Sixmile Creek, Class C). This is a correction from the previous permit and there have been no changes to the outfall or discharge location. Changed Outfall 01A receiving water to "internal to Outfall 001."

Page 3: On January 17, 2023, WSP USA, Inc., on behalf of Emerson Electric Co., submitted the results of three discharge samples from Outfall 011 analyzed for free cyanide in accordance with the SPDES permit equivalent Schedule of Compliance. Free cyanide was not detected in any sample submitted for analysis. Therefore, the Schedule of Compliance item has been deemed complete and removed from the permit equivalent.

On August 28, 2023, WSP USA, Inc., on behalf of Emerson Electric Co., submitted two years of free cyanide monitoring data for Outfall 009 in accordance with the SPDES permit equivalent Schedule of Compliance. Free cyanide was not detected in any sample submitted for analysis. Therefore, quarterly free cyanide monitoring at Outfall 009 has been removed from the permit. As free cyanide monitoring was the only requirement at Outfall 009, the permit limits table for the outfall has no sampling requirements.

The discharge consists of treated water from storm water and groundwater seepage. The treatment system consists of a granular activated carbon system.

As stated in 6 NYCRR 750-1.5(a)(2) a SPDES permit is not required for "any discharge in compliance with an order issued pursuant to ECL 27-1313 to implement a department approved inactive hazardous waste remedial site program provided that such discharge complies with the substantive requirements of a SPDES permit, or any discharge under any remedial or corrective action work plan approved by the department provided that such work plan includes public notification and response to the public equivalent to that required under either ECL 27-1313 or" 6 NYCRR Part 621. This exemption applies so long as "such discharge complies with the substantive requirements of a SPDES permit." OGC, DER, and DOW staff interpret that regulatory exemption to apply to the following programs: State Superfund, Brownfield Cleanup, and RCRA Corrective Action programs.

Thus, DER will be responsible for ensuring compliance with the attached effluent limitations and monitoring requirements, and approval of all engineering submissions. The additional conditions identifies the appropriate DER contact person who will receive all effluent results, engineering submissions, and modification requests. The Regional Water Engineer should be kept appraised of the status of this discharge and, in accordance with the attached criteria, receive a copy of the effluent results for informational purposes.

If you have any questions, please call Taylor Shanley at 518-402-8170.

Attachment (Effluent Limitations and Monitoring Requirements)

cc: Region 7 Regional Water Engineer – Thomas Vigneault (thomas.vigneault@dec.ny.gov)
BWP Section Chief, DOW – Monica Moss (monica.moss@dec.ny.gov)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233
www.dec.ny.gov

Emerson Electric Co.

Project Site Remediation
Wastewater Discharge SPDES Permit Equivalent

DRAINAGE BASIN: **07 / 05**

DER Site No: 7-55-010
Effective Date: **August 1, 2022**
Expiration Date: **July 31, 2027**
Modification Date(s):
October 11, 2024

Discharger Name and Address:

Emerson Electric Co.
ATTN: Steve Clarke
8000 W. Florissant Ave, Station 1963
(314) 553 1953
Contact Email Address: steve.clarke@emerson.com

is authorized to discharge from the facility described below:

Emerson Electric Co.
620 South Aurora St.
Ithaca, NY 14850

From the following outfall(s):

Outfall No.	Outfall Description	Location	Receiving Water	WIN *	Class
01A	Treated Remediation Wastewater	42°25'57.18"N 76°29'53.95"W	Internal to Outfall 001		
001	Stormwater, Groundwater seepage and treated remedial wastewater	42°25'56.03"N 76°29'54.85"W	Sixmile Creek	Ont. 0-66-12-P296-75-5	C
009	Stormwater and Groundwater Seepage	42°25'51.67"N 76°29'59.86"W	Sixmile Creek	Ont. 0-66-12-P296-75-5	C
011	Groundwater seepage	42°25'56.46"N 76°29'55.25"W	Sixmile Creek	Ont. 0-66-12-P296-75-5	C

* Water Index Number

The discharges from the treatment facility shall be limited and monitored by the operator as specified below:

Outfall No. and Parameter	CAS No.	Discharge Limitations		Units	Minimum Monitoring Requirements		FN
		Monthly Avg.	Daily Max		Measurement Frequency	Sample Type	
Outfall 01A - Treated Remediation Discharge							
Flow		Monitor	Monitor	GPD	Monthly	Totalizer	
pH (range)	NA	6.5 – 8.5		SU	Monthly	Grab	
Temperature	NA		Monitor	°F	Monthly	Grab	
Tetrachloroethylene	00127-18-4		0.001	mg/l	Monthly	Grab	
Trichloroethylene	-		0.01	mg/l	Monthly	Grab	
Sum of Dichlorobenzenes	-		0.01	mg/l	Monthly	Grab	
Bromoform	00075-25-2		0.01	mg/l	Monthly	Grab	
Chlorobenzene	00108-90-7		0.005	mg/l	Monthly	Grab	
Chlorodibromomethane	00124-48-1		0.01	mg/l	Monthly	Grab	
Chloroform	00067-66-3		0.01	mg/l	Monthly	Grab	
Cyanide, Free	-	5.2	22	ug/l	Monthly	Grab	1

Outfall No. and Parameter	CAS No.	Discharge Limitations		Units	Minimum Monitoring Requirements		FN
		Monthly Avg.	Daily Max		Measurement Frequency	Sample Type	
Outfall 01A - Treated Remediation Discharge							
Dichlorobromomethane	00075-27-4		0.01	mg/l	Monthly	Grab	
1,1 Dichloroethane	00075-34-3		0.01	mg/l	Monthly	Grab	
1,1 – Dichloroethylene	00075-35-4		0.01	mg/l	Monthly	Grab	
Methylene Chloride	00065-09-2		0.01	mg/l	Monthly	Grab	
1,1,2,2- Tetrachloroethane	00079-34-5		0.01	mg/l	Monthly	Grab	
Toluene	00108-88-3		0.05	mg/l	Monthly	Grab	
1,2-(trans)-Dichloroethylene	00156-60-5		0.01	mg/l	Monthly	Grab	
1.2-(cis)-Dichloroethylene	00156-59-2		0.01	mg/l	Monthly	Grab	
1,1,1-Trichloroethane	00071-55-6		0.01	mg/l	Monthly	Grab	
Xylenes, Total	00095-47-6 00108-38-3 00106-42-3		0.01	mg/l	Monthly	Grab	
Vinyl Chloride	00075-01-4		0.01	mg/l	Monthly	Grab	
Benzene	00071-43-2		0.001	mg/l	Monthly	Grab	

Outfall No. and Parameter	CAS No.	Discharge Limitations		Units	Minimum Monitoring Requirements		FN
		Monthly Avg.	Daily Max		Measurement Frequency	Sample Type	
Outfall 001 - Stormwater, Groundwater Seepage and Treated Groundwater							
Flow	NA		Monitor	GPD	Monthly	Estimate	
pH (range)	NA	6.5 – 8.5		SU	Monthly	Grab	
Total Barium	07440-39-3		Monitor	mg/l	Quarterly	Grab	
Total Lead	07439-92-1		7.4	ug/l	Monthly	Grab	
Mercury	07439-97-6		Monitor	ng/l	Quarterly	Grab	2

Outfall No. and Parameter	CAS No.	Discharge Limitations		Units	Minimum Monitoring Requirements		FN
		Monthly Avg.	Daily Max		Measurement Frequency	Sample Type	
Outfall 001 - Stormwater, Groundwater Seepage and Treated Groundwater							
Tetrachloroethylene	00127-18-4		0.001	mg/l	Monthly	Grab	
Trichloroethylene	-		0.01	mg/l	Monthly	Grab	
Cyanide, Free		5.2	22	ug/l	Quarterly	Grab	1

Footnotes:

1: Free Cyanide is the sum of HCN and CN, expressed as CN. The WQBEL of 5.2 ug/l Monthly Average and 22 ug/l Daily Max for Cyanide will become effective on August 1, 2025. An interim limit of Monitor Only shall apply from August 1, 2022, until July 31, 2025.

2. Mercury shall be analyzed using USEPA Method 1631

Additional Conditions:

1. Discharge is not authorized until such time as an engineering submission showing the method of treatment is approved by the Department. The discharge rate may not exceed the effective or design treatment system capacity. A summary of the monthly monitoring data shall be submitted to the Department twenty-eight (28) days following the end of each monthly monitoring period. All monitoring data, engineering submissions and modification requests must be submitted to:

   Karen A Cahill
   Division of Environmental Remediation
   NYSDEC R7
   615 Erie Blvd West
   Syracuse, NY 13204-2400
   Tel: 315-426-7432
   Email: karen.cahill@dec.ny.gov

2. Samples and measurements, to comply with the monitoring requirements specified above, must be taken from the effluent side of the final treatment unit prior to discharge to the receiving water body unless otherwise noted above.

3. Monitoring and analysis shall be conducted using sufficiently sensitive test procedures approved under 40 CFR Part 136 unless other test procedures have been specified in this permit equivalent.

4. Only site generated wastewater is authorized for treatment and discharge.

5. Authorization to discharge is valid only for the period noted above but may be renewed if

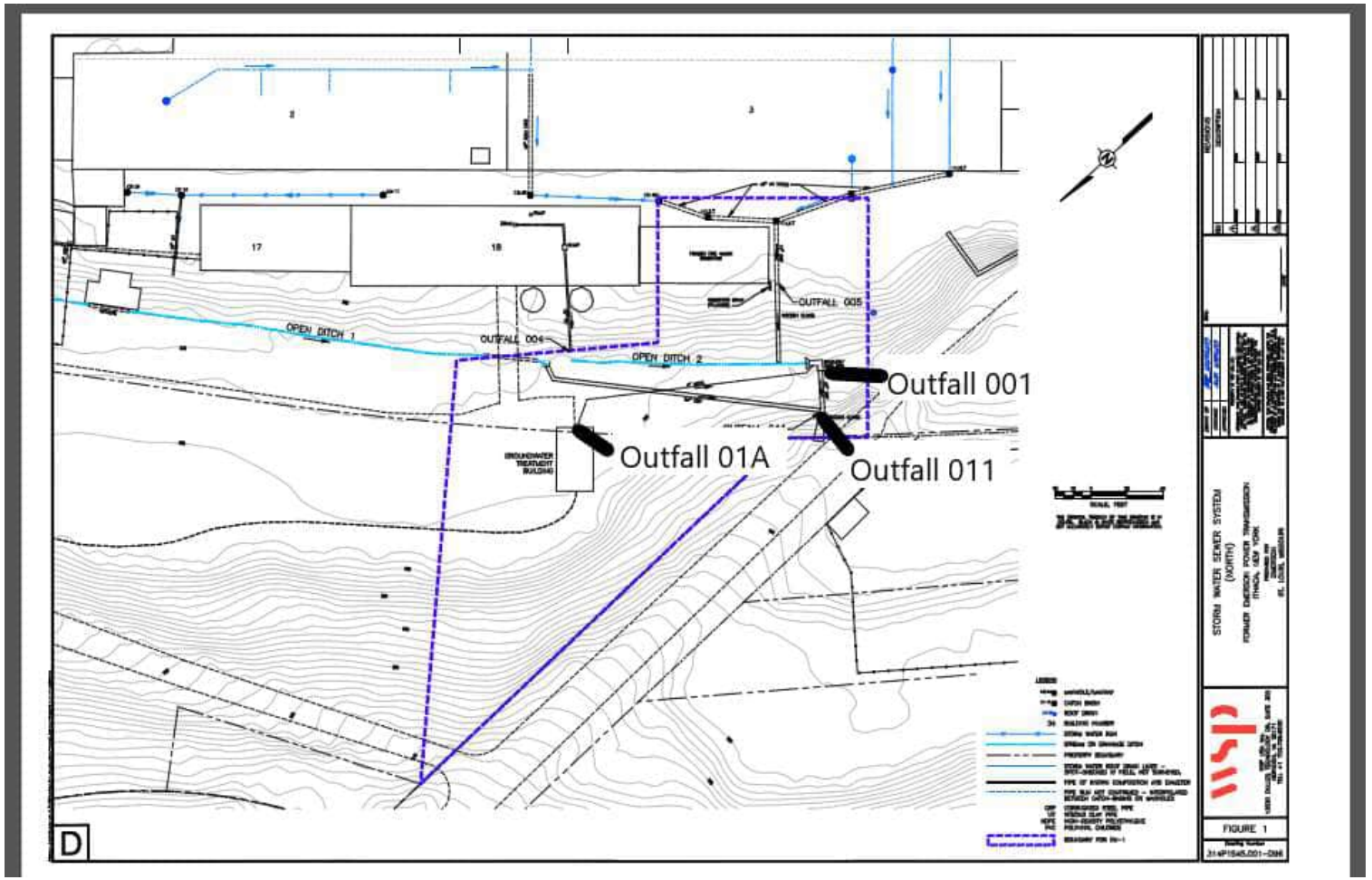
appropriate. A request for renewal must be received 6 months prior to the expiration date to allow for a review of monitoring data and reassessment of monitoring requirements.

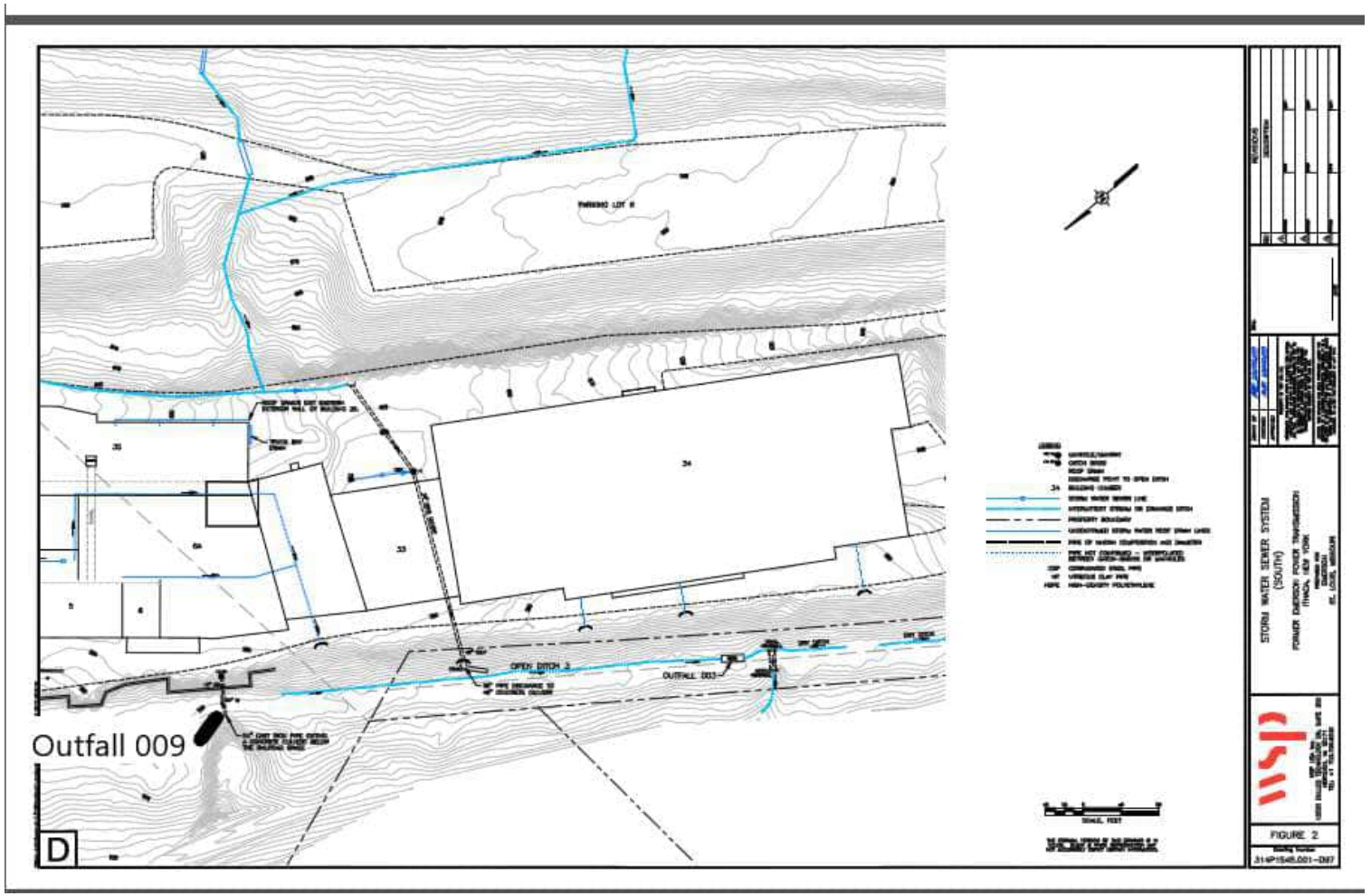
6. Any use of corrosion/scale inhibitors, biocidal-type compounds, or other water treatment chemicals used in the treatment process must be approved by the department prior to use.

7. This discharge and administration of this discharge must comply with the substantive requirements of 6NYCRR Part 750.

MONITORING LOCATIONS:

Outfall 001 and 01A




Outfall 009
D
STORM WATER SEWER SYSTEM
(SOUTH)
FIGURE 2

Sixmile Creek (Class C)
Outfall 001
Outfall 01A
Outfall 011
Outfall 009
Emerson Electric

APPENDIX

F WASTE DISPOSAL DOCUMENTATION

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD002228625	1	(800) 483-3718	01928247 1 FLE

GENERATOR

5. Generator's Name and Mailing Address
Emerson 15 LLC 40 La Riviere Dr., Suite 320
620 South Aurora Street ~~7000 East Genesse Street Bld D 2nd F~~
Ithaca, NY 14850 607 351-8239 Kevin Griswold
Generator's Phone: ~~(716) 866-1620~~ ATTN: ~~Daniel Liwicki~~

Generator's Site Address (if different than mailing address)
620 South Aurora Street
Ithaca, NY 14850

6. Transporter 1 Company Name
Clean Harbors Environmental Services, Inc.

U.S. EPA ID Number
MAD039322250

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: (870) 863-7173

U.S. EPA ID Number
ARD069748192

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (TRICHLOROETHENE), 9, PG III (F001)	1	DM	450	P	F001		
X	2. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (TRICHLOROETHENE), 9, PG III (F001)	1	DM	50	P	D040	F001	B
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. CH2069648 ERG#171
2. CH500303 ERG#171

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency convenience or safety

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ON Behalf OF Emerson Kevin Griswold
Signature: ON Behalf OF Emerson [signature]
Month: 01 Day: 30 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Blake Robison
Signature: [signature]
Month: 1 Day: 30 Year: 24

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H040		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Carla Pace
Signature: Carla Pace
Month: 3 Day: 7 Year: 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.
Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM
72 2400442178 PPW

Land Disposal Restriction Notification Form

Printed Date : Jan 25 2024

MANIFEST INFORMATION

Generator :	Emersub 15 LLC	Manifest Tracking Info.	
Address:	820 South Aurora Street Ithaca,NY 14850	019282471FLE	
EPA ID #:	N Y D 0 0 2 2 2 8 6 2 5	Sales Order No:	2400442178

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH2069648	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
F001	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
1,1,1-TRICHLOROETHANE	N	Y	N
ACETONE	N	Y	N
ARSENIC	N	N	N
Barium	N	N	N
Carbon disulfide	N	Y	N
CHLOROFORM	N	N	N
Chromium	N	N	N
CYANIDES (AMENABLE)	N	N	N
CYANIDES (TOTAL)	N	N	N
LEAD	N	N	N
SELENIUM	N	N	N
TRICHLOROETHYLENE	N	Y	N
VINYL CHLORIDE	N	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	CH500303	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D040 F001	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
TRICHLOROETHYLENE	Y	Y	N

Clean Harbors Environmental Services

Land Disposal Restriction Notification Form

Printed Date : Jan 25, 2024

Certification	Applies to Manifest Line Items
Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.	1. 2.

Waste analysis data, where available, is attached.

Signature : Kevin Griswold Print Name : Kevin Griswold

Title : Geologist Date : 01/30/24

Site Address: 620 South Aurora Street
Ithaca,NY 14850

SC PPW 12/1/2023

WORK ORDER NO: 2400442178

DOCUMENT NO. 1509692 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID #

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER
Spring Grove Resource Recovery Inc.	ATTN Daniel Liwicki Emersub 15 LLC
FACILITY EPA ID # OHD000816629	SHIPPER EPA ID # NYD002228625
ADDRESS 4879 Spring Grove Avenue	ADDRESS 620 South Aurora Street 7000 East Genesse Street Bld D 2nd Floor
CITY STATE ZIP Cincinnati OH 45232	CITY STATE ZIP Ithaca NY 14850

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
2 x 55	PM		A. NON-DOT REGULATED	900	P
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS

A.CH2677594 EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Emersub 15 LLC

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT ON Behalf of Emerson Kevin Griswold	SIGN on Behalf of Emerson	DATE 1-30-24
TRANSPORTER 1	PRINT Blake Rojas	SIGN	DATE 1-30-24
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Jade Wolff	SIGN	DATE 2-5-24

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD002228625	1	(800) 483-3718	019275126 FLE

GENERATOR

5. Generator's Name and Mailing Address: ~~EMERSON ELEC~~ 40 La Riviere Dr, Suite 320 Buffalo NY 14202 (KG)
~~620 South Aurora Street 7000 East Genesse Street Bld D 2nd F~~
~~Ithaca, NY 14850~~ (607) 351-8239 Kevin Griswold (KG)
Generator's Phone: ~~(716) 868-1823 ATTN Daniel Erwicki~~

Generator's Site Address (if different than mailing address):
620 South Aurora Street
Ithaca, NY 14850

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322200

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: (870) 863-7173
U.S. EPA ID Number: ARD069748192

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082, HAZARDOUS WASTE, LIQUID, N.O.S., (CYANIDE), 9, PG III	1	DM	100	P	D003
X	2. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (TRICHLOROETHENE), 9, PG III (F001)	1	DM	100	P	D040 F001
	3.					
	4.					

14. Special Handling Instructions and Additional Information
2. CB500303 ERG#171

Contract retained by generator confirmation authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience, and

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On Behalf of Emerson Kevin Griswold
Signature: On Behalf of Emerson [signature]
Month: 04 Day: 23 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard Granzella
Signature: [signature]
Month: 4 Day: 23 Year: 24

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H040		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Stephanie Matheny
Signature: Stephanie Matheny
Month: 5 Day: 18 Year: 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA-APPROVED MANIFEST SITE

Clearwater
ENVIRONMENTAL SERVICES

Land Disposal Restriction Notification Form

Printed Date: Apr 3, 2024

MANIFEST INFORMATION

Generator: Emersub 15 LLC

Address: 820 South Aurora Street
Ithaca,NY 14850

EPA ID #: NYD002228625

Manifest Tracking Info.

019275186FLE

Sales Order No: 2401980850

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH2732003	WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D003	Reactive Cyanides

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
CYANIDES (TOTAL)	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	CH600303	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D040 F001	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
TRICHLOROETHYLENE	Y	Y	N

Certification

Applies to Manifest Line Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268. 1. 2.

Waste analysis data, where available, is attached.

Signature: On Behalf of Emersub Kevin Griswold

Print Name: On Behalf of Emersub Kevin Griswold

Title: Geologist

Date: 04/23/2024

Site Address: 620 South Aurora Street
Ithaca, NY 14850

7224019 [illegible]

SC PPW 2/1/2024 WORK ORDER NO. _____

DOCUMENT NO. 1875332 **STRAIGHT BILL OF LADING**

Clean Harbors Environmental Services, Inc.

TRANSPORTER 1 _____ VEHICLE ID # _____

MAD039322250 (781) 792-[illegible]

EPA ID # _____ TRANS. 1 PHONE _____

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

ATTN ~~Daniel Lipski~~ Kevin Ciesielski (6)

DESIGNATED FACILITY	SHIPPER
~~[illegible]~~ ado LLC	~~[illegible]~~ 5 LLC
FACILITY EPA ID # ~~[illegible]~~ 3 1 9 2	SHIPPER EPA ID # ~~[illegible]~~ 5
ADDRESS ~~[illegible]~~ American Circle	ADDRESS ~~620 South Aurora Street 7000 East Genesee Suite BR~~ ~~2nd Floor~~ 40 La Riviere Drive, Suite [illegible] Buffalo, NY 14202
CITY El Dorado STATE AR ZIP 71730	CITY Ithaca STATE NY ZIP 148 5[illegible]

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1x55	DM		A. NON-DOT REGULATED	100	P
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Emersub 15 LLC
A.CH2700202

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	On Behalf of Emerson Kevin Ciesielski	On Behalf of Emerson [illegible]	04/23/24
TRANSPORTER 1	Richard Brangiacchi	[illegible]	4/25/24
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	Stephanie Matheny	Stephanie Matheny	5/18/24

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

1

CHI 107

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD002228625	1	800-535-5053	012371188 FLE

5. Generator's Name and Mailing Address
Emersub 15 LLC 7-55-010
620 S Aurora St.
Ithaca, NY 14850
Generator's Phone 314 553 1953

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Environmental Service Group, Inc. (NY) — 716.695.6720 — U.S. EPA ID Number: NYD986903904

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Solvents Inc
1010 Denison Avenue
Cleveland, OH 44109
Facility's Phone: 800-362-0693 — U.S. EPA ID Number: OHD980897656

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	RQ, NA3082, Hazardous waste, liquid, n.o.s., 9, III, (Chromium, Lead)	001	DM	055	G	D008, D007
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1 - 60898
ERG: 1- 171
24 Hour Emergency Contact:
INFOTRAC (Caller Must ID ESG)
800-535-5053

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X DAN NOLL ON BEHALF OF GEN — Signature: [signature] — Month 05 Day 10 Year 24

TRANSPORTER INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES FEDESON — Signature: [signature] — Month 05 Day 10 Year 24
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

LAND DISPOSAL RESTRICTIONS NOTIFICATION FORM

GENERATOR: *Emersub 15 LLC 7-55-010* **PROFILE #:** *60898*

ADDRESS: *620 S Aurora St. Ithaca, NY 14850*

MANIFEST #: *012371188FLE* **LINE #:** *9b1* **DATE #:** 5/10/24

HAZARDOUS WASTE CODES: *D007 D008*

WASTE RESTRICTED: DOES NOT MEET TREATMENT STANDARDS

The above-listed is the generator of a restricted waste, which must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D prior to land disposal.

Treatability Group: (check one) ☐ **Wastewater** ☒ **Non-Wastewater**

(If no choice is made, this waste is presumed to be non-wastewater.)

Subcategory (if applicable):

☐ D001
- ☐ Ignitable characteristic wastes, except 40CFR261.21(a)(1) high TOC.
- ☐ Ignitable High TOC liquids > 10% TOC (40CFR261.21(a)(1))

☐ D002
- ☐ Corrosive Characteristic Waste

☐ D003 ***(Note: CSI is not permitted to accept D003)***
- ☐ Reactive Sulfides based on 261.23 (a)(5)
- ☐ Reactive Cyanides based on 261.23 (a)(5)
- ☐ Other reactives based on 261.23 (a)(1)

☐ D009
- ☐ High Mercury-Organic
- ☐ High Mercury-Inorganic
- ☐ Low Mercury
- ☐ All D009 wastewaters

☒ Other_____

F001-F005 Listed Waste:

- ☐ Acetone
- ☐ Benzene
- ☐ n-Butyl alcohol
- ☐ Carbon disulfide
- ☐ Carbon tetrachloride
- ☐ Chlorobenzene
- ☐ o-Cresol
- ☐ m-Cresol
- ☐ p-Cresol
- ☐ Cresols-mixed isomers
- ☐ Cyclohexanone
- ☐ o-Dichlorobenzene
- ☐ 2-Ethoxyethanol
- ☐ Ethyl acetate
- ☐ Ethyl benzene
- ☐ Ethyl ether
- ☐ Isobutyl alcohol
- ☐ Methanol
- ☐ Methylene chloride
- ☐ Methyl ethyl ketone
- ☐ Methyl isobutyl ketone
- ☐ Nitrobenzene
- ☐ 2-Nitropropane
- ☐ Pyridine
- ☐ Tetrachloroethylene
- ☐ Toluene
- ☐ 1,1,1-Trichloroethane
- ☐ 1,1,2-Trichloroethane
- ☐ 1,1,2-Trichloro-1,2,2-trifluoroethane
- ☐ Trichloroethylene
- ☐ Trichloromonofluoromethane
- ☐ Xylenes-mixed isomers

This form and the attached applicable list of underlying hazardous constituents, and/or F039 constituents are submitted in accordance with 40 CFR Part 268 which restricts the land disposal of hazardous waste. It is the generator's responsibility under 40 CFR 268/OAC3745-270 to ensure that appropriate notifications accompany shipments of hazardous waste as required. Chemical Solvents, Inc. recommends that the generator independently verify notification requirements for all waste streams.

APPENDIX

G INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM
FORMER EMERSON POWER TRANSMISSION
SITE NO. 7-55-010
TOMPKINS COUNTY, ITHACA, NEW YORK
JANUARY 1, 2024 THROUGH DECEMBER 31, 2024

I, David Alan Rykaczewski, certify that I am currently a New York State registered professional engineer as defined in 6 NYCRR Part 375 and that all of the following statements are true:

- This Periodic Review Report and all attachments were prepared under my direction on behalf of Emerson Electric Co. and are accurate and complete.
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices.
- The institutional and engineering control described in the Periodic Review Report and Site Inspection Form are unchanged from the date that the Interim Site Management Plan was submitted.
- Nothing has occurred that would impair the ability of the institutional and engineering controls to protect public health and the environment.
- Nothing has occurred that would constitute a violation or failure to comply with the Interim Site Management Plan for these controls.
- Access to the site will continue to be provided to the NYSDEC and NYSDOH to evaluate the remedy, including access to evaluate the continued maintenance of the controls.

June 13, 2025

Date

David Alan Rykaczewski, P.E.
Vice President
New York State P.E. No. 099287

WSP USA Inc.
11 Stanwix Street, Suite 950
Pittsburgh, Pennsylvania 15222

APPENDIX

H LABORATORY ANALYTICAL REPORTS

1Q 2024 Aqueous

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

31405608.001/Task 02

SGS Job Number: JD81253

Sampling Date: 01/25/24

Report to:

dave.rykaczewski@wsp.com

ATTN: Distribution5

Total number of pages in report: 17

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

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Section 3: Summary of Hits **5**
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4.2: JD81253-2: WMID GAC 9
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Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD81253

EPT, Ithaca, NY
Project No: 31405608.001/Task 02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD81253-1	01/25/24	09:10	KGG	01/26/24	AQ	Water	WPOST GAC
JD81253-2	01/25/24	09:25	KGG	01/26/24	AQ	Water	WMID GAC
JD81253-3	01/25/24	09:40	KGG	01/26/24	AQ	Water	WAS
JD81253-4	01/25/24	09:55	KGG	01/26/24	AQ	Influent	WINF

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	WSP USA Environment & Infrastructure Inc	**Job No:**	JD81253
Site:	EPT, Ithaca, NY	**Report Date**	1/31/2024 6:17:16 AM

On 01/26/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.6 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD81253 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method EPA 624.1

Matrix: AQ **Batch ID:** V4A132

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD81265-2MS, JD81265-2MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** V5A132

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD81253-4MS, JD81253-4MSD were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of Xylenes (total) are outside control limits.
- The matrix spike (MS) and matrix spike duplicate (MSD) recovery(s) of cis-1,2-Dichloroethene, Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD81253-4: Dilution required due to high concentration of target compound.
- V5A132-BS for Xylenes (total): Outside of in house control limits, but within the marginal exceedance limits.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD81253
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 01/25/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD81253-1	**WPOST GAC**					
cis-1,2-Dichloroethene		2.8	1.0	0.51	ug/l	EPA 624.1
JD81253-2	**WMID GAC**					
No hits reported in this sample.						
JD81253-3	**WAS**					
cis-1,2-Dichloroethene		2.3	1.0	0.51	ug/l	EPA 624.1
Trichloroethene		0.98 J	1.0	0.43	ug/l	EPA 624.1
JD81253-4	**WINF**					
cis-1,2-Dichloroethene		1030	50	25	ug/l	EPA 624.1
trans-1,2-Dichloroethene [a]		7.9	5.0	2.3	ug/l	EPA 624.1
Trichloroethene [a]		654	5.0	2.1	ug/l	EPA 624.1
Vinyl chloride [a]		95.8	5.0	3.9	ug/l	EPA 624.1

(a) Dilution required due to high concentration of target compound.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WPOST GAC		
Lab Sample ID:	JD81253-1	**Date Sampled:**	01/25/24
Matrix:	AQ - Water	**Date Received:**	01/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A4251.D	1	01/29/24 19:31	NW	n/a	n/a	V4A132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.8	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WPOST GAC		
Lab Sample ID:	JD81253-1	**Date Sampled:**	01/25/24
Matrix:	AQ - Water	**Date Received:**	01/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	91%		80-128%
2037-26-5	Toluene-D8 (SUR)	96%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	95%		79-117%
1868-53-7	Dibromofluoromethane (S)	100%		84-121%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WMID GAC		
Lab Sample ID:	JD81253-2	**Date Sampled:**	01/25/24
Matrix:	AQ - Water	**Date Received:**	01/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A4252.D	1	01/29/24 19:49	NW	n/a	n/a	V5A132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WMID GAC		
Lab Sample ID:	JD81253-2	**Date Sampled:**	01/25/24
Matrix:	AQ - Water	**Date Received:**	01/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	95%		80-128%
2037-26-5	Toluene-D8 (SUR)	95%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	95%		79-117%
1868-53-7	Dibromofluoromethane (S)	103%		84-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WAS		
Lab Sample ID:	JD81253-3	**Date Sampled:**	01/25/24
Matrix:	AQ - Water	**Date Received:**	01/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A4253.D	1	01/29/24 20:06	NW	n/a	n/a	V4A132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.3	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WAS		
Lab Sample ID:	JD81253-3	**Date Sampled:**	01/25/24
Matrix:	AQ - Water	**Date Received:**	01/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	0.98	1.0	0.43	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	98%		80-128%
2037-26-5	Toluene-D8 (SUR)	96%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	96%		79-117%
1868-53-7	Dibromofluoromethane (S)	98%		84-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WINF		
Lab Sample ID:	JD81253-4	**Date Sampled:**	01/25/24
Matrix:	AQ - Influent	**Date Received:**	01/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5A4242.D	5	01/29/24 16:54	NW	n/a	n/a	V5A132
Run #2	5A4248.D	50	01/29/24 18:39	NW	n/a	n/a	V5A132

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	15	ug/l	
71-43-2	Benzene	ND	5.0	3.6	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	4.7	ug/l	
75-25-2	Bromoform	ND	5.0	3.0	ug/l	
74-83-9	Bromomethane	ND	5.0	4.3	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	9.9	ug/l	
75-15-0	Carbon disulfide	ND	5.0	2.6	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	4.4	ug/l	
75-00-3	Chloroethane	ND	5.0	2.7	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.9	ug/l	
98-82-8	Cumene	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	10	3.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	4.9	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.4	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	4.6	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	3.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.1	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	4.8	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	2.2	ug/l	
156-59-2	cis-1,2-Dichloroethene	1030 [b]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	7.9	5.0	2.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	4.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	4.6	ug/l	
100-41-4	Ethylbenzene	ND	5.0	4.2	ug/l	
76-13-1	Freon 113	ND	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	25	8.8	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WINF		
Lab Sample ID:	JD81253-4	**Date Sampled:**	01/25/24
Matrix:	AQ - Influent	**Date Received:**	01/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	16	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
79-20-9	Methyl Acetate	ND	25	3.2	ug/l	
108-87-2	Methylcyclohexane	ND	25	7.2	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.6	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.0	ug/l	
108-88-3	Toluene	ND	5.0	3.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/l	
79-01-6	Trichloroethene	654	5.0	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	1.7	ug/l	
75-01-4	Vinyl chloride	95.8	5.0	3.9	ug/l	
1330-20-7	Xylenes (total)	ND	5.0	3.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	96%	94%	80-128%
2037-26-5	Toluene-D8 (SUR)	94%	91%	82-113%
460-00-4	4-Bromofluorobenzene (SUR)	95%	94%	79-117%
1868-53-7	Dibromofluoromethane (S)	102%	100%	84-121%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2

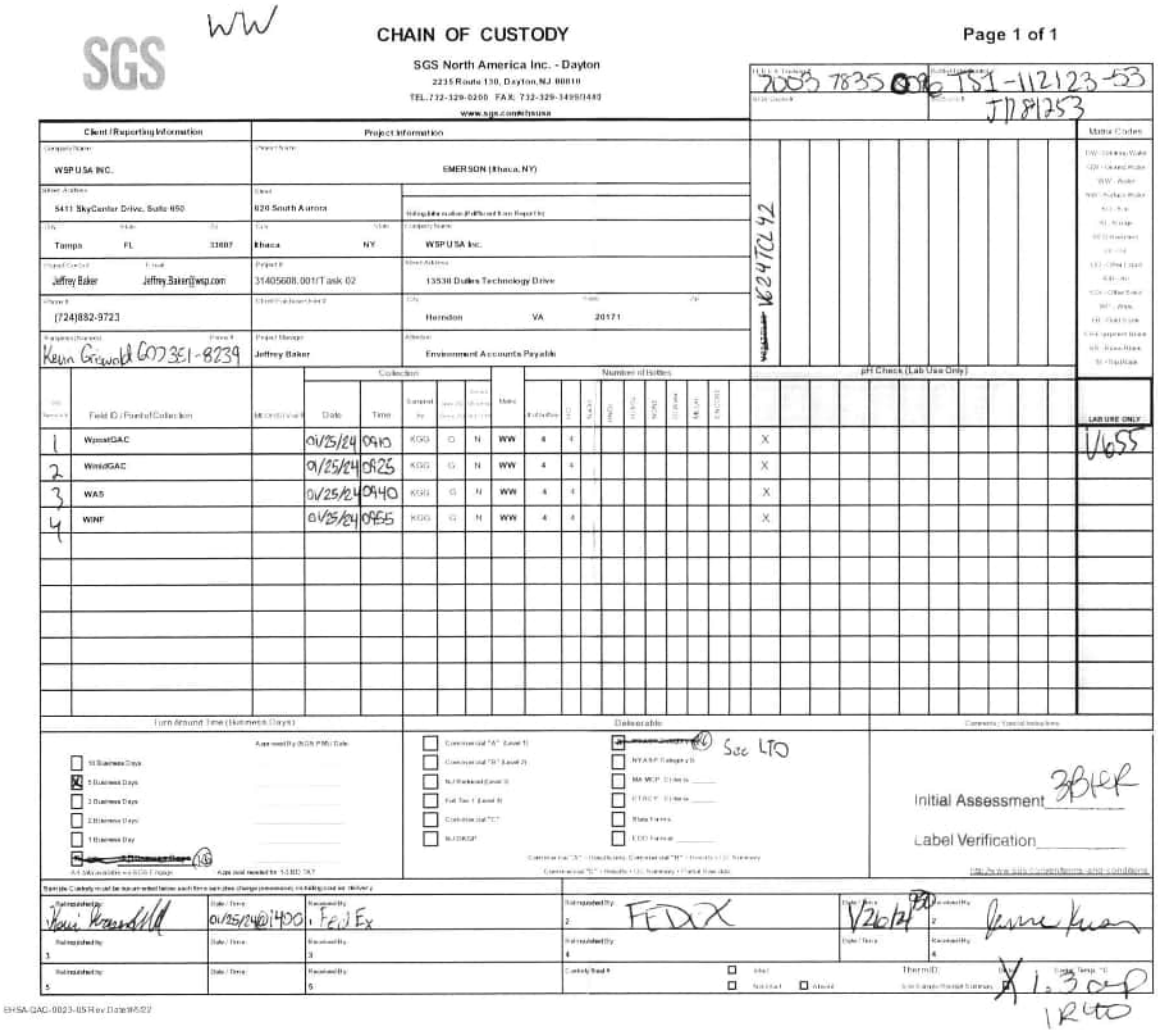
ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

Page 1 of 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Client / Reporting Information	Project Information
Company Name: WSP USA INC.	Project Name: EMERSON (Ithaca, NY)
Street Address: 5411 SkyCenter Drive, Suite 650	Street: 820 South Aurora
City: Tampa State: FL Zip: 33607	City: Ithaca State: NY
Project Contact: Jeffrey Baker E-mail: Jeffrey.Baker@wsp.com	Project #: 31405608.001/Task 02
Phone #: (724)882-9723	Client Purchase Order #
Sampler(s) Name(s): Kevin Grigold 607 351-8239	Project Manager: Jeffrey Baker
	Company Name: WSP USA Inc.
	Street Address: 13530 Dulles Technology Drive
	City: Herndon State: VA Zip: 20171
	Attention: Environment Accounts Payable

SGS Quote #: 20853 7835 SGS Job #: TSI-112123-53 JD81253

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Requested Analysis: V624TCL 42

#	Field ID / Point of Collection	MS/MSD (Y/N)	Collection Date	Collection Time	Sampled by	Grab	Composite	Matrix	Number of bottles	pH Check (Lab Use Only)	LAB USE ONLY
1	WynotGAC		01/25/24	0910	KGG	G	N	WW	4	X	V655
2	WinldGAC		01/25/24	0925	KGG	G	N	WW	4	X	
3	WA5		01/25/24	0940	KGG	G	N	WW	4	X	
4	WINF		01/25/24	0955	KGG	G	N	WW	4	X	

Turn Around Time (Business Days)

- 10 Business Days
- [X] 5 Business Days
- 3 Business Days
- 2 Business Days
- 1 Business Day
- [ ] [illegible] (1.5)

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier 1 (Level 4)
- Commercial "C"
- NJ DKQP
- [ ] [illegible] (2) See LTD
- NYASP Category B
- MA MCP Criteria
- RCP Criteria
- State Forms
- EDD Format

Comments / Special Instructions

Initial Assessment ZBHR

Label Verification

http://www.sgs.com/terms_and_conditions

Relinquished by:	Date / Time:	Received By:	Relinquished by:	Date / Time:	Received By:
1 Kevin Grigold	01/25/24 1400	1. Fed Ex	2 FEDEX	1/26/24 830	2
3	Date / Time:	3	4	Date / Time:	4
5	Date / Time:	5	Custody Seal #	Intact / Not Intact / Absent	Therm ID: / Cooler Temp. °C: 1.3 corr IR40

EHSA-QAC-0023-05 Rev Date 9/5/22

SGS Sample Receipt Summary

Job Number: JD81253 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 1/26/2024 9:50:00 AM **Delivery Method:** FED EX **Airbill #'s:** 7003 7835 0096

Cooler Temps (Raw Measured) °C: Cooler 1: (1.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-40		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

1Q 2024 Vapor

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

31405608.001/Task02

SGS Job Number: JD81245

Sampling Date: 01/25/24

Report to:

WSP
13530 DULLES TECHNOLOGY DRIVE Suite 300
Herndon, VA 20171
jeffrey.baker@wsp.com

ATTN: Jeffrey Baker

Total number of pages in report: 921

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

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SGS North America Inc.

Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD81245

EPT, Ithaca, NY
Project No: 31405608.001/Task02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD81245-1	01/25/24	11:10	KGG	01/26/24	AIR	Soil Vapor Comp.	VINF
JD81245-2	01/25/24	11:15	KGG	01/26/24	AIR	Soil Vapor Comp.	VPOST GAC

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	WSP USA Environment & Infrastructure Inc	**Job No:**	JD81245
Site:	EPT, Ithaca, NY	**Report Date**	2/2/2024 11:49:08 AM

On 01/26/2024, 2 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JD81245 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V8W162

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD81246-1DUP were used as the QC samples indicated.
- JD81245-2 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- JD81245-2 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD81245-1 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- JD81245-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V8W162-BS for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD81245
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 01/25/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD81245-1	**VINF**					
Acetone (2-Propanone)		5.2	0.80	0.58	ppbv	TO-15
Chloromethane		0.62 J	0.80	0.36	ppbv	TO-15
1,1-Dichloroethylene		0.49	0.16	0.24	ppbv	TO-15
trans-1,2-Dichloroethylene		1.5	0.80	0.11	ppbv	TO-15
cis-1,2-Dichloroethylene		191	0.16	0.12	ppbv	TO-15
Ethanol		3.5	2.0	1.6	ppbv	TO-15
Hexane		1.2	0.80	0.21	ppbv	TO-15
Isopropyl Alcohol		1.7	0.80	0.56	ppbv	TO-15
Methylene chloride		2.8	0.80	0.22	ppbv	TO-15
Methyl ethyl ketone		0.49 J	0.80	0.44	ppbv	TO-15
Trichloroethylene		86.6	0.16	0.076	ppbv	TO-15
Vinyl chloride		16.4	0.16	0.28	ppbv	TO-15
Acetone (2-Propanone)		12	1.9	1.4	ug/m3	TO-15
Chloromethane		1.3 J	1.7	0.74	ug/m3	TO-15
1,1-Dichloroethylene		1.9	0.63	0.95	ug/m3	TO-15
trans-1,2-Dichloroethylene		5.9	3.2	0.44	ug/m3	TO-15
cis-1,2-Dichloroethylene		757	0.63	0.48	ug/m3	TO-15
Ethanol		6.6	3.8	3.0	ug/m3	TO-15
Hexane		4.2	2.8	0.74	ug/m3	TO-15
Isopropyl Alcohol		4.2	2.0	1.4	ug/m3	TO-15
Methylene chloride		9.7	2.8	0.76	ug/m3	TO-15
Methyl ethyl ketone		1.4 J	2.4	1.3	ug/m3	TO-15
Trichloroethylene		465	0.86	0.41	ug/m3	TO-15
Vinyl chloride		41.9	0.41	0.72	ug/m3	TO-15
JD81245-2	**VPOST GAC**					
Acetone (2-Propanone)		3.9	0.80	0.58	ppbv	TO-15
Chloromethane		0.56 J	0.80	0.36	ppbv	TO-15
Dichlorodifluoromethane		0.44 J	0.80	0.42	ppbv	TO-15
trans-1,2-Dichloroethylene		1.1	0.80	0.11	ppbv	TO-15
cis-1,2-Dichloroethylene		130	0.16	0.12	ppbv	TO-15
Ethanol		2.3	2.0	1.6	ppbv	TO-15
Propylene		0.77 J	2.0	0.57	ppbv	TO-15
Trichloroethylene		37.6	0.16	0.076	ppbv	TO-15
Vinyl chloride		7.5	0.16	0.28	ppbv	TO-15
Acetone (2-Propanone)		9.3	1.9	1.4	ug/m3	TO-15
Chloromethane		1.2 J	1.7	0.74	ug/m3	TO-15
Dichlorodifluoromethane		2.2 J	4.0	2.1	ug/m3	TO-15
trans-1,2-Dichloroethylene		4.4	3.2	0.44	ug/m3	TO-15
cis-1,2-Dichloroethylene		515	0.63	0.48	ug/m3	TO-15
Ethanol		4.3	3.8	3.0	ug/m3	TO-15
Propylene		1.3 J	3.4	0.98	ug/m3	TO-15

Summary of Hits

Job Number: JD81245
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 01/25/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethylene		202	0.86	0.41	ug/m3	TO-15
Vinyl chloride		19	0.41	0.72	ug/m3	TO-15

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD81245-1	**Date Sampled:**	01/25/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A503	**Date Received:**	01/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8W04097.D	1.48	01/30/24 18:19	TS	n/a	n/a	V8W162
Run #2							

	Initial Volume
Run #1	148 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	5.2	0.80	0.58	ppbv		12	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.096	ppbv		ND	2.6	0.31	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.62	0.80	0.36	ppbv	J	1.3	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.18	ppbv		ND	2.8	0.62	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.49	0.16	0.24	ppbv		1.9	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.47	ppbv		ND	2.9	1.7	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.80	0.42	ppbv		ND	4.0	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	1.5	0.80	0.11	ppbv		5.9	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	191	0.16	0.12	ppbv		757	0.63	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	0.16	ppbv		ND	2.4	0.96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.28	ppbv		ND	0.96	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.32	ppbv		ND	2.4	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD81245-1	**Date Sampled:**	01/25/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A503	**Date Received:**	01/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	3.5	2.0	1.6	ppbv		6.6	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.42	ppbv		ND	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	1.2	0.80	0.21	ppbv		4.2	2.8	0.74	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.7	0.80	0.56	ppbv		4.2	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	2.8	0.80	0.22	ppbv		9.7	2.8	0.76	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.49	0.80	0.44	ppbv	J	1.4	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	ND	2.0	0.57	ppbv		ND	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.21	ppbv		ND	3.4	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [a]	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.80	0.35	ppbv		ND	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.16	ppbv		ND	3.7	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.37	ppbv		ND	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.056	ppbv		ND	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	ND	0.80	0.23	ppbv		ND	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	86.6	0.16	0.076	ppbv		465	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.40	0.62	ppbv		ND	2.2	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	16.4	0.16	0.28	ppbv		41.9	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate [b]	ND	0.80	0.45	ppbv		ND	2.8	1.6	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.56	ppbv		ND	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD81245-1	**Date Sampled:**	01/25/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A503	**Date Received:**	01/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD81245-2	**Date Sampled:**	01/25/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A408	**Date Received:**	01/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8W04098.D	1	01/30/24 18:54	TS	n/a	n/a	V8W162
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	3.9	0.80	0.58	ppbv		9.3	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.096	ppbv		ND	2.6	0.31	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.80	0.36	ppbv	J	1.2	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.18	ppbv		ND	2.8	0.62	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.47	ppbv		ND	2.9	1.7	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.80	0.42	ppbv	J	2.2	4.0	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	1.1	0.80	0.11	ppbv		4.4	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	130	0.16	0.12	ppbv		515	0.63	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	0.16	ppbv		ND	2.4	0.96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.28	ppbv		ND	0.96	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.32	ppbv		ND	2.4	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD81245-2	**Date Sampled:**	01/25/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A408	**Date Received:**	01/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.3	2.0	1.6	ppbv		4.3	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.42	ppbv		ND	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	ND	0.80	0.21	ppbv		ND	2.8	0.74	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.56	ppbv		ND	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.22	ppbv		ND	2.8	0.76	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.44	ppbv		ND	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	0.77	2.0	0.57	ppbv	J	1.3	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.21	ppbv		ND	3.4	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [a]	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.80	0.35	ppbv		ND	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.16	ppbv		ND	3.7	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.37	ppbv		ND	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.056	ppbv		ND	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	ND	0.80	0.23	ppbv		ND	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	37.6	0.16	0.076	ppbv		202	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.40	0.62	ppbv		ND	2.2	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	7.5	0.16	0.28	ppbv		19	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate [b]	ND	0.80	0.45	ppbv		ND	2.8	1.6	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.56	ppbv		ND	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD81245-2	**Date Sampled:**	01/25/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A408	**Date Received:**	01/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) This compound in blank spike is outside in house QC limits bias high.

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2023 MDL Study - Method: TO-15

SGS

Air

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #: 7003 7835 0111
Bottle Order Control #: JS1-112123-57
SGS Quote #:
SGS Job #: JD81245

Client / Reporting Information

Company Name: USP USA INC
Street Address: 5411 SkyCenter Drive, Suite 650
City: Tampa State: FL Zip: 33607
Project Contact: Jeff Baker E-mail: JeffBaker@uspcam.com
Phone #: (724)882-9723
Sampler(s) Name(s): Kevin Griswold Phone #: 6023518839

Project Information

Project Name: EMERSON (Ithaca) NY
Street: 620 South Aurora
City: Ithaca State: NY
Project #: 31405606.001/Task 02
Client Purchase Order #:
Project Manager: Jeff Baker

Billing Information (if different from Report to)

Company Name: WSP USA INC
Street Address: 13530 Dulles Technology Drive
City: Herndon State: VA Zip: 20171
Attention: Environment Accounts Payable

TO-15

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) / Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	VINF		01/25/24	1110	KGG	G	N	AIR	1					1				X	
2	VP051 GAC		01/25/24	1115	KGG	G	N	AIR	1					1				X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

See LTO

Initial Assessment HR 1/26

Label Verification

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

24-L Suma grab instant TO-15
Indoor temp: 68°F
Atmospheric Pressure: 30.16 inHg

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by	Date / Time	Received By		Relinquished By	Date / Time	Received By
1	Kevin Griswold	01/25/24@1400	1 Fedex	2	Fedex	1/26/24 9:50	2
3			3	4			4
5			5				

Custody Seal #: ☐ Intact ☐ Not intact ☐ Absent

Therm ID: On Ice ☐ Cooler Temp. °C

See Sample Receipt Summary ☐

EHSA-QAC-0023-05 Rev Date:8/5/22

JD81245: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD81245 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 1/26/2024 9:51:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Summa Canister and Flow Controller Log

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Received: 01/26/24

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A503	1	30	12/29/23	ML	CP12417	7W03759.D	JD81245-1	01/29/24	DG	8		1.2	1.48
A408	1	30	12/29/23	ML	CP12436	7W03784.D	JD81245-2	01/29/24	DG	0			1

SGS Bottle Order(s):
TS1-112123-59

Prep Date	Room Temp(F)	Bar Pres "Hg
12/29/23	70	29.92

Internal Sample Tracking Chronicle

WSP USA Environment & Infrastructure Inc

Job No: JD81245

EPT, Ithaca, NY
Project No: 31405608.001/Task02

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD81245-1	Collected: 25-JAN-24 11:10	By: KGG	Received: 26-JAN-24	By: EN		
VINF						
JD81245-1	TO-15	30-JAN-24 18:19	TS			VTO15NYSVLL
JD81245-2	Collected: 25-JAN-24 11:15	By: KGG	Received: 26-JAN-24	By: EN		
VPOST GAC						
JD81245-2	TO-15	30-JAN-24 18:54	TS			VTO15NYSVLL

SGS Internal Chain of Custody

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Received: 01/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD81245-1.1	Erica Aanestad	Secured Storage	01/26/24 16:49	Return to Storage
JD81245-2.1	Erica Aanestad	Secured Storage	01/26/24 16:49	Return to Storage

METHODRE	LOGINNUM	DATE RECALC	INSTRUMEI	PARM_STC	PARM_SYN	MDLVALUE CURRENT	RDLVALUE	UNITS
TO-15	JD37733	5/4/2023 0:00	GCMS5W	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	71-55-6	1,1,1-Trichloroethane	0.037	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	79-00-5	1,1,2-Trichloroethane	0.038	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-34-3	1,1-Dichloroethane	0.057	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-35-4	1,1-Dichloroethylene	0.059	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	96-18-4	1,2,3-Trichloropropane	0.05	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	120-82-1	1,2,4-Trichlorobenzene	0.12	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	95-63-6	1,2,4-Trimethylbenzene	0.087	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	106-93-4	1,2-Dibromoethane (EDB)	0.03	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	107-06-2	1,2-Dichloroethane	0.07	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS2W	78-87-5	1,2-Dichloropropane	0.062	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-67-8	1,3,5-Trimethylbenzene	0.08	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	106-99-0	1,3-Butadiene	0.084	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	142-28-9	1,3-Dichloropropane	0.057	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	123-91-1	1,4-Dioxane	0.12	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	540-84-1	2,2,4-Trimethylpentane	0.04	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	565-59-3	2,3-Dimethylpentane	0.036	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-08-7	2,4-Dimethylpentane	0.048	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	95-49-8	2-Chlorotoluene	0.072	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	591-78-6	2-Hexanone	0.15	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	107-05-1	3-Chloropropene	0.083	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	622-96-8	4-Ethyltoluene	0.095	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	67-64-1	Acetone (2-Propanone)	0.15	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-05-8	Acetonitrile	0.17	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	107-02-8	Acrolein	0.088	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	107-13-1	Acrylonitrile	0.091	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	71-43-2	Benzene	0.146	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	100-44-7	Benzyl Chloride	0.125	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	108-86-1	Bromobenzene	0.055	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	75-27-4	Bromodichloromethane	0.03	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	593-60-2	Bromoethene	0.061	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	75-25-2	Bromoform	0.071	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	74-83-9	Bromomethane	0.069	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	75-15-0	Carbon disulfide	0.045	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	56-23-5	Carbon tetrachloride	0.04	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	108-90-7	Chlorobenzene	0.074	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-45-6	Chlorodifluoromethane	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-00-3	Chloroethane	0.068	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	67-66-3	Chloroform	0.037	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	74-87-3	Chloromethane	0.09	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	79-38-9	Chlorotrifluoroethene	0.024	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	110-82-7	Cyclohexane	0.045	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-20-3	Di-Isopropyl ether	0.082	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	124-48-1	Dibromochloromethane	0.052	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	74-95-3	Dibromomethane	0.053	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-71-8	Dichlorodifluoromethane	0.104	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-43-4	Dichlorofluoromethane	0.066	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	141-78-6	Ethyl Acetate	0.1	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	140-88-5	Ethyl Acrylate	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	100-41-4	Ethylbenzene	0.061	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	76-13-1	Freon 113	0.031	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	76-14-2	Freon 114	0.05	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	306-83-2	Freon 123	0.035	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	354-23-4	Freon 123A	0.031	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-68-3	Freon 142B	0.07	0.2	ppbv

TO-15	JD37733	5/4/2023 0:00	GCMS2W	75-37-6	Freon 152A	0.06	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	142-82-5	Heptane	0.045	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	87-68-3	Hexachlorobutadiene	0.062	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	67-72-1	Hexachloroethane	0.082	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	110-54-3	Hexane	0.052	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	74-88-4	Iodomethane	0.037	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS2W	67-63-0	Isopropyl Alcohol	0.19	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	98-82-8	Isopropylbenzene	0.064	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-10-1	Methyl Isobutyl Ketone	0.073	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	1634-04-4	Methyl Tert Butyl Ether	0.08	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	78-93-3	Methyl ethyl ketone	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-09-2	Methylene chloride	0.056	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	80-62-6	Methylmethacrylate	0.07	0.2	ppbv
TO-15	JD37790	5/4/2023 0:00	GCMS7W	91-20-3	Naphthalene	0.13	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	111-84-2	Nonane	0.1	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	111-65-9	Octane	0.12	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	109-66-0	Pentane	0.14	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	115-07-1	Propylene	0.14	0.5	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	100-42-5	Styrene	0.053	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	TVHC AS EC	TVHC As Equiv Pentane	0.14	10	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-65-0	Tertiary Butyl Alcohol	0.093	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	127-18-4	Tetrachloroethylene	0.014	0.04	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	109-99-9	Tetrahydrofuran	0.09	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-88-3	Toluene	0.057	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	79-01-6	Trichloroethylene	0.019	0.04	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-69-4	Trichlorofluoromethane	0.154	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-05-4	Vinyl Acetate	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-01-4	Vinyl chloride	0.069	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	156-59-2	cis-1,2-Dichloroethylene	0.03	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	10061-01-5	cis-1,3-Dichloropropene	0.062	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	M,P-XYLEN	m,p-Xylene	0.14	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	541-73-1	m-Dichlorobenzene	0.04	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	106-97-8	n-Butane	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	104-51-8	n-Butylbenzene	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	103-65-1	n-Propylbenzene	0.091	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	95-50-1	o-Dichlorobenzene	0.069	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	95-47-6	o-Xylene	0.077	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	106-46-7	p-Dichlorobenzene	0.079	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	99-87-6	p-Isopropyltoluene	0.08	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	135-98-8	sec-Butylbenzene	0.081	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	98-06-6	tert-Butylbenzene	0.083	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	156-60-5	trans-1,2-Dichloroethylene	0.028	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	10061-02-6	trans-1,3-Dichloropropene	0.1	0.2	ppbv
TO-15	JD37790	5/4/2023 0:00	GCMS7W	64-17-5	Ethanol	0.39	0.5	ppbv

MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W162-MB	8W04094.D	1	01/30/24	TS	n/a	n/a	V8W162

The QC reported here applies to the following samples: **Method:** TO-15

JD81245-1, JD81245-2

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.024	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W162-MB	8W04094.D	1	01/30/24	TS	n/a	n/a	V8W162

The QC reported here applies to the following samples: **Method:** TO-15

JD81245-1, JD81245-2

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W162-MB	8W04094.D	1	01/30/24	TS	n/a	n/a	V8W162

The QC reported here applies to the following samples: **Method:** TO-15

JD81245-1, JD81245-2

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.69	1.1	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W151-MB	7W03736.D	1	10/06/23	TS	n/a	n/a	V7W151

The QC reported here applies to the following samples: **Method:** TO-15

V7W151-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.15	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W151-MB	7W03736.D	1	10/06/23	TS	n/a	n/a	V7W151

The QC reported here applies to the following samples: **Method:** TO-15

V7W151-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W151-MB	7W03736.D	1	10/06/23	TS	n/a	n/a	V7W151

The QC reported here applies to the following samples: **Method:** TO-15

V7W151-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.69	13	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W152-MB	7W03782.D	1	10/07/23	TS	n/a	n/a	V7W152

The QC reported here applies to the following samples: **Method:** TO-15

V7W152-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.15	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W152-MB	7W03782.D	1	10/07/23	TS	n/a	n/a	V7W152

The QC reported here applies to the following samples: **Method:** TO-15

V7W152-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W152-MB	7W03782.D	1	10/07/23	TS	n/a	n/a	V7W152

The QC reported here applies to the following samples: **Method:** TO-15

V7W152-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	103%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W162-BS	8W04091.D	1	01/30/24	TS	n/a	n/a	V8W162
V8W162-BSD	8W04092.D	1	01/30/24	TS	n/a	n/a	V8W162

The QC reported here applies to the following samples: **Method:** TO-15

JD81245-1, JD81245-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	10.3	103	10.6	106	3	70-130/30
106-99-0	1,3-Butadiene	10	10.0	100	10.1	101	1	70-130/30
71-43-2	Benzene	10	11.3	113	11.4	114	1	70-130/30
75-27-4	Bromodichloromethane	10	11.0	110	11.2	112	2	70-130/30
75-25-2	Bromoform	10	11.8	118	11.9	119	1	70-130/30
74-83-9	Bromomethane	10	11.8	118	11.9	119	1	70-130/30
593-60-2	Bromoethene	10	12.2	122	12.3	123	1	70-130/30
100-44-7	Benzyl Chloride	10	9.9	99	10.0	100	1	70-130/30
75-15-0	Carbon disulfide	10	10.5	105	10.6	106	1	70-130/30
108-90-7	Chlorobenzene	10	11.2	112	11.4	114	2	70-130/30
75-00-3	Chloroethane	10	10.7	107	10.8	108	1	70-130/30
67-66-3	Chloroform	10	10.4	104	10.5	105	1	70-130/30
74-87-3	Chloromethane	10	10	100	10.2	102	2	70-130/30
107-05-1	3-Chloropropene	10	10.7	107	10.9	109	2	70-130/30
95-49-8	2-Chlorotoluene	10	11.3	113	11.5	115	2	70-130/30
56-23-5	Carbon tetrachloride	10	11.2	112	11.3	113	1	70-130/30
110-82-7	Cyclohexane	10	11.8	118	12.0	120	2	70-130/30
75-34-3	1,1-Dichloroethane	10	10	100	10.1	101	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	11.1	111	11.3	113	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.6	116	11.8	118	2	70-130/30
107-06-2	1,2-Dichloroethane	10	8.6	86	8.8	88	2	70-130/30
78-87-5	1,2-Dichloropropane	10	8.8	88	9.0	90	2	70-130/30
123-91-1	1,4-Dioxane	10	11.0	110	11.1	111	1	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.7	107	10.7	107	0	70-130/30
124-48-1	Dibromochloromethane	10	10.9	109	11.1	111	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	12.4	124	12.5	125	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	11.8	118	11.9	119	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.0	110	11.2	112	2	70-130/30
541-73-1	m-Dichlorobenzene	10	11.7	117	11.7	117	0	70-130/30
95-50-1	o-Dichlorobenzene	10	11.7	117	11.8	118	1	70-130/30
106-46-7	p-Dichlorobenzene	10	11.8	118	11.9	119	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.1	111	11.4	114	3	70-130/30
64-17-5	Ethanol	10	10.0	100	10.2	102	2	70-130/30
100-41-4	Ethylbenzene	10	11.5	115	11.8	118	3	70-130/30
141-78-6	Ethyl Acetate	10	9.3	93	9.5	95	2	70-130/30
622-96-8	4-Ethyltoluene	10	12.0	120	12.2	122	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W162-BS	8W04091.D	1	01/30/24	TS	n/a	n/a	V8W162
V8W162-BSD	8W04092.D	1	01/30/24	TS	n/a	n/a	V8W162

The QC reported here applies to the following samples: **Method:** TO-15

JD81245-1, JD81245-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.7	107	10.8	108	1	70-130/30
76-14-2	Freon 114	10	10.8	108	10.9	109	1	70-130/30
142-82-5	Heptane	10	7.8	78	8.0	80	3	70-130/30
87-68-3	Hexachlorobutadiene	10	12.5	125	12.7	127	2	70-130/30
110-54-3	Hexane	10	8.5	85	8.6	86	1	70-130/30
591-78-6	2-Hexanone	10	8.6	86	8.8	88	2	70-130/30
67-63-0	Isopropyl Alcohol	10	9.6	96	9.9	99	3	70-130/30
75-09-2	Methylene chloride	10	10.6	106	10.8	108	2	70-130/30
78-93-3	Methyl ethyl ketone	10	10.9	109	11.0	110	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	8.3	83	8.4	84	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.6	106	10.9	109	3	70-130/30
80-62-6	Methylmethacrylate	10	10.6	106	10.9	109	3	70-130/30
115-07-1	Propylene	10	7.4	74	7.6	76	3	70-130/30
100-42-5	Styrene	10	11.6	116	11.9	119	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.9	109	11.1	111	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.0	110	11.2	112	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.9	109	11.0	110	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	13.2	132* [a]	13.3	133* [a]	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.5	115	11.6	116	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.7	117	12.0	120	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	8.2	82	8.4	84	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	7.8	78	8.1	81	4	70-130/30
127-18-4	Tetrachloroethylene	10	12.1	121	12.4	124	2	70-130/30
109-99-9	Tetrahydrofuran	10	11.4	114	11.6	116	2	70-130/30
108-88-3	Toluene	10	11.6	116	11.8	118	2	70-130/30
79-01-6	Trichloroethylene	10	11.1	111	11.3	113	2	70-130/30
75-69-4	Trichlorofluoromethane	10	10.4	104	10.5	105	1	70-130/30
75-01-4	Vinyl chloride	10	10.1	101	10.2	102	1	70-130/30
108-05-4	Vinyl Acetate	10	12.9	129	13.1	131* [a]	2	70-130/30
	m,p-Xylene	20	22.9	115	23.4	117	2	70-130/30
95-47-6	o-Xylene	10	11.5	115	11.7	117	2	70-130/30
1330-20-7	Xylenes (total)	30	34.4	115	35.2	117	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W162-BS	8W04091.D	1	01/30/24	TS	n/a	n/a	V8W162
V8W162-BSD	8W04092.D	1	01/30/24	TS	n/a	n/a	V8W162

The QC reported here applies to the following samples: **Method:** TO-15

JD81245-1, JD81245-2

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	96%	96%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W151-BS	7W03733.D	1	10/06/23	TS	n/a	n/a	V7W151
V7W151-BSD	7W03734.D	1	10/06/23	TS	n/a	n/a	V7W151

The QC reported here applies to the following samples: **Method:** TO-15

V7W151-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	9.9	99	9.6	96	3	70-130/30
106-99-0	1,3-Butadiene	10	12.4	124	12.1	121	2	70-130/30
71-43-2	Benzene	10	10.8	108	10.6	106	2	70-130/30
75-27-4	Bromodichloromethane	10	12.4	124	12.1	121	2	70-130/30
75-25-2	Bromoform	10	11.6	116	11.5	115	1	70-130/30
74-83-9	Bromomethane	10	10.9	109	10.6	106	3	70-130/30
593-60-2	Bromoethene	10	10.7	107	10.5	105	2	70-130/30
100-44-7	Benzyl Chloride	10	13.7	137* [a]	13.5	135* [a]	1	70-130/30
75-15-0	Carbon disulfide	10	11.4	114	11.3	113	1	70-130/30
108-90-7	Chlorobenzene	10	10.1	101	10.1	101	0	70-130/30
75-00-3	Chloroethane	10	11.3	113	11.1	111	2	70-130/30
67-66-3	Chloroform	10	11.8	118	11.4	114	3	70-130/30
74-87-3	Chloromethane	10	12.6	126	12.6	126	0	70-130/30
107-05-1	3-Chloropropene	10	11.0	110	11.0	110	0	70-130/30
95-49-8	2-Chlorotoluene	10	10.5	105	10.4	104	1	70-130/30
56-23-5	Carbon tetrachloride	10	11.0	110	10.8	108	2	70-130/30
110-82-7	Cyclohexane	10	11.2	112	11.1	111	1	70-130/30
75-34-3	1,1-Dichloroethane	10	11.5	115	11.2	112	3	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.9	109	10.7	107	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.6	116	11.5	115	1	70-130/30
107-06-2	1,2-Dichloroethane	10	11.6	116	11.4	114	2	70-130/30
78-87-5	1,2-Dichloropropane	10	11.9	119	11.6	116	3	70-130/30
123-91-1	1,4-Dioxane	10	12.1	121	12.0	120	1	70-130/30
75-71-8	Dichlorodifluoromethane	10	11.2	112	11.1	111	1	70-130/30
124-48-1	Dibromochloromethane	10	11.6	116	11.4	114	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.7	107	10.5	105	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	11.0	110	10.5	105	5	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.5	115	11.4	114	1	70-130/30
541-73-1	m-Dichlorobenzene	10	11.0	110	10.8	108	2	70-130/30
95-50-1	o-Dichlorobenzene	10	11.0	110	10.9	109	1	70-130/30
106-46-7	p-Dichlorobenzene	10	11.0	110	10.9	109	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.9	119	11.7	117	2	70-130/30
64-17-5	Ethanol	10	11.6	116	11.2	112	4	70-130/30
100-41-4	Ethylbenzene	10	11.0	110	10.9	109	1	70-130/30
141-78-6	Ethyl Acetate	10	12.1	121	11.9	119	2	70-130/30
622-96-8	4-Ethyltoluene	10	11.6	116	11.7	117	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W151-BS	7W03733.D	1	10/06/23	TS	n/a	n/a	V7W151
V7W151-BSD	7W03734.D	1	10/06/23	TS	n/a	n/a	V7W151

The QC reported here applies to the following samples: **Method:** TO-15

V7W151-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.5	105	10.2	102	3	70-130/30
76-14-2	Freon 114	10	11.5	115	11.3	113	2	70-130/30
142-82-5	Heptane	10	13.0	130	12.7	127	2	70-130/30
87-68-3	Hexachlorobutadiene	10	10.6	106	10.4	104	2	70-130/30
110-54-3	Hexane	10	11.5	115	11.2	112	3	70-130/30
591-78-6	2-Hexanone	10	11.3	113	11.1	111	2	70-130/30
67-63-0	Isopropyl Alcohol	10	12.8	128	12.4	124	3	70-130/30
75-09-2	Methylene chloride	10	11.3	113	10.8	108	5	70-130/30
78-93-3	Methyl ethyl ketone	10	10.9	109	10.6	106	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.8	118	11.7	117	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.9	109	10.7	107	2	70-130/30
80-62-6	Methylmethacrylate	10	11.5	115	11.4	114	1	70-130/30
115-07-1	Propylene	10	11.1	111	10.8	108	3	70-130/30
100-42-5	Styrene	10	11.1	111	11.1	111	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10	11.2	112	10.9	109	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	12.1	121	12.0	120	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.8	118	11.8	118	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	11.6	116	11.0	110	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.7	117	11.6	116	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.3	113	11.2	112	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	11.7	117	11.6	116	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	11.9	119	11.6	116	3	70-130/30
127-18-4	Tetrachloroethylene	10	10	100	9.8	98	2	70-130/30
109-99-9	Tetrahydrofuran	10	11.3	113	11.2	112	1	70-130/30
108-88-3	Toluene	10	11.1	111	11.0	110	1	70-130/30
79-01-6	Trichloroethylene	10	11.2	112	11.0	110	2	70-130/30
75-69-4	Trichlorofluoromethane	10	11.2	112	10.8	108	4	70-130/30
75-01-4	Vinyl chloride	10	11.8	118	11.6	116	2	70-130/30
108-05-4	Vinyl Acetate	10	11.3	113	11.5	115	2	70-130/30
	m,p-Xylene	20	21.9	110	21.6	108	1	70-130/30
95-47-6	o-Xylene	10	11.0	110	10.9	109	1	70-130/30
1330-20-7	Xylenes (total)	30	32.9	110	32.6	109	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W151-BS	7W03733.D	1	10/06/23	TS	n/a	n/a	V7W151
V7W151-BSD	7W03734.D	1	10/06/23	TS	n/a	n/a	V7W151

The QC reported here applies to the following samples: **Method:** TO-15

V7W151-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	103%	105%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W152-BS	7W03779.D	1	10/07/23	TS	n/a	n/a	V7W152
V7W152-BSD	7W03780.D	1	10/07/23	TS	n/a	n/a	V7W152

The QC reported here applies to the following samples: **Method:** TO-15

V7W152-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	9.6	96	9.9	99	3	70-130/30
106-99-0	1,3-Butadiene	10	12.1	121	12.2	122	1	70-130/30
71-43-2	Benzene	10	11.1	111	11.0	110	1	70-130/30
75-27-4	Bromodichloromethane	10	12.2	122	12.3	123	1	70-130/30
75-25-2	Bromoform	10	11.5	115	11.4	114	1	70-130/30
74-83-9	Bromomethane	10	10.4	104	10.7	107	3	70-130/30
593-60-2	Bromoethene	10	9.9	99	10.1	101	2	70-130/30
100-44-7	Benzyl Chloride	10	13.6	136* [a]	13.5	135* [a]	1	70-130/30
75-15-0	Carbon disulfide	10	9.9	99	10.2	102	3	70-130/30
108-90-7	Chlorobenzene	10	10.1	101	10.0	100	1	70-130/30
75-00-3	Chloroethane	10	11.0	110	11.2	112	2	70-130/30
67-66-3	Chloroform	10	11.8	118	11.8	118	0	70-130/30
74-87-3	Chloromethane	10	12.3	123	12.4	124	1	70-130/30
107-05-1	3-Chloropropene	10	9.7	97	9.9	99	2	70-130/30
95-49-8	2-Chlorotoluene	10	10.2	102	10.1	101	1	70-130/30
56-23-5	Carbon tetrachloride	10	11.0	110	10.9	109	1	70-130/30
110-82-7	Cyclohexane	10	11.4	114	11.6	116	2	70-130/30
75-34-3	1,1-Dichloroethane	10	11.8	118	11.9	119	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.6	96	9.9	99	3	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.3	113	11.4	114	1	70-130/30
107-06-2	1,2-Dichloroethane	10	12.1	121	12.0	120	1	70-130/30
78-87-5	1,2-Dichloropropane	10	12.1	121	12.3	123	2	70-130/30
123-91-1	1,4-Dioxane	10	12.1	121	12.1	121	0	70-130/30
75-71-8	Dichlorodifluoromethane	10	11.4	114	11.3	113	1	70-130/30
124-48-1	Dibromochloromethane	10	11.2	112	11.2	112	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.7	107	11.1	111	4	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	11.2	112	11.1	111	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.8	118	11.8	118	0	70-130/30
541-73-1	m-Dichlorobenzene	10	10.4	104	10.3	103	1	70-130/30
95-50-1	o-Dichlorobenzene	10	10.3	103	10.3	103	0	70-130/30
106-46-7	p-Dichlorobenzene	10	10.5	105	10.5	105	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	12.1	121	12.2	122	1	70-130/30
64-17-5	Ethanol	10	11.3	113	11.7	117	3	70-130/30
100-41-4	Ethylbenzene	10	11.1	111	11.1	111	0	70-130/30
141-78-6	Ethyl Acetate	10	12.7	127	12.3	123	3	70-130/30
622-96-8	4-Ethyltoluene	10	11.4	114	11.4	114	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W152-BS	7W03779.D	1	10/07/23	TS	n/a	n/a	V7W152
V7W152-BSD	7W03780.D	1	10/07/23	TS	n/a	n/a	V7W152

The QC reported here applies to the following samples: **Method:** TO-15

V7W152-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.4	94	9.5	95	1	70-130/30
76-14-2	Freon 114	10	10.8	108	11.0	110	2	70-130/30
142-82-5	Heptane	10	13.6	136* [a]	13.5	135* [a]	1	70-130/30
87-68-3	Hexachlorobutadiene	10	10.0	100	9.9	99	1	70-130/30
110-54-3	Hexane	10	12.1	121	11.9	119	2	70-130/30
591-78-6	2-Hexanone	10	11.4	114	11.5	115	1	70-130/30
67-63-0	Isopropyl Alcohol	10	12.5	125	12.8	128	2	70-130/30
75-09-2	Methylene chloride	10	9.7	97	9.9	99	2	70-130/30
78-93-3	Methyl ethyl ketone	10	11.3	113	11.2	112	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	12.1	121	12.2	122	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	11.1	111	11.1	111	0	70-130/30
80-62-6	Methylmethacrylate	10	11.7	117	11.7	117	0	70-130/30
115-07-1	Propylene	10	12.6	126	12.2	122	3	70-130/30
100-42-5	Styrene	10	11.1	111	10.9	109	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10	11.5	115	11.3	113	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	12.0	120	12.0	120	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.8	118	11.9	119	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.6	106	10.7	107	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.1	111	11.1	111	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.1	111	11.0	110	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	12.2	122	12.1	121	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	11.1	111	11.3	113	2	70-130/30
127-18-4	Tetrachloroethylene	10	9.7	97	9.8	98	1	70-130/30
109-99-9	Tetrahydrofuran	10	11.8	118	11.7	117	1	70-130/30
108-88-3	Toluene	10	11.1	111	11.2	112	1	70-130/30
79-01-6	Trichloroethylene	10	11.3	113	11.3	113	0	70-130/30
75-69-4	Trichlorofluoromethane	10	10.6	106	10.7	107	1	70-130/30
75-01-4	Vinyl chloride	10	11.4	114	11.6	116	2	70-130/30
108-05-4	Vinyl Acetate	10	11.8	118	11.8	118	0	70-130/30
	m,p-Xylene	20	22.3	112	22.3	112	0	70-130/30
95-47-6	o-Xylene	10	11.1	111	11.1	111	0	70-130/30
1330-20-7	Xylenes (total)	30	33.4	111	33.4	111	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W152-BS	7W03779.D	1	10/07/23	TS	n/a	n/a	V7W152
V7W152-BSD	7W03780.D	1	10/07/23	TS	n/a	n/a	V7W152

The QC reported here applies to the following samples: **Method:** TO-15

V7W152-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	107%	107%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD81246-1DUP	8W04096.D	1	01/30/24	TS	n/a	n/a	V8W162
JD81246-1	8W04095.D	1	01/30/24	TS	n/a	n/a	V8W162

The QC reported here applies to the following samples: **Method:** TO-15

JD81245-1, JD81245-2

CAS No.	Compound	JD81246-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	31.4		32.2		3	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.43	J	0.51	J	17	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	0.44	J	0.44	J	0	25
156-59-2	cis-1,2-Dichloroethylene	45.1		44.6		1	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	16.3		16.4		1	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	2.8		2.7		4	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD81246-1DUP	8W04096.D	1	01/30/24	TS	n/a	n/a	V8W162
JD81246-1	8W04095.D	1	01/30/24	TS	n/a	n/a	V8W162

The QC reported here applies to the following samples: **Method:** TO-15

JD81245-1, JD81245-2

CAS No.	Compound	JD81246-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	809	E	824	E	2	25
75-09-2	Methylene chloride	ND		ND		nc	25
78-93-3	Methyl ethyl ketone	1.8		1.8		0	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	147		147		0	25
109-99-9	Tetrahydrofuran	85.8		85.3		1	25
108-88-3	Toluene	0.78	J	0.74	J	5	25
79-01-6	Trichloroethylene	21.1		20.9		1	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	ND		ND		nc	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD81246-1DUP	8W04096.D	1	01/30/24	TS	n/a	n/a	V8W162
JD81246-1	8W04095.D	1	01/30/24	TS	n/a	n/a	V8W162

The QC reported here applies to the following samples: **Method:** TO-15

JD81245-1, JD81245-2

CAS No.	Surrogate Recoveries	DUP	JD81246-1	Limits
460-00-4	4-Bromofluorobenzene	96%	96%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W151-SCC	7W03757.D	1	10/07/23	TS	n/a	n/a	V7W151

The QC reported here (Summa A436) applies to the following samples: **Method:** TO-15

Batch CP12417 cleaned 09/14/23: JD81245-1(A503)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.15	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W151-SCC	7W03757.D	1	10/07/23	TS	n/a	n/a	V7W151

The QC reported here (Summa A436) applies to the following samples: **Method:** TO-15

Batch CP12417 cleaned 09/14/23: JD81245-1(A503)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W151-SCC	7W03757.D	1	10/07/23	TS	n/a	n/a	V7W151

The QC reported here (Summa A436) applies to the following samples: **Method:** TO-15

Batch CP12417 cleaned 09/14/23: JD81245-1(A503)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	65-128%

Summa Cleaning Certification

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W152-SCC	7W03783.D	1	10/07/23	TS	n/a	n/a	V7W152

The QC reported here (Summa A1207) applies to the following samples: **Method:** TO-15

Batch CP12436 cleaned 09/29/23: JD81245-2(A408)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.15	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W152-SCC	7W03783.D	1	10/07/23	TS	n/a	n/a	V7W152

The QC reported here (Summa A1207) applies to the following samples: **Method:** TO-15

Batch CP12436 cleaned 09/29/23: JD81245-2(A408)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W152-SCC	7W03783.D	1	10/07/23	TS	n/a	n/a	V7W152

The QC reported here (Summa A1207) applies to the following samples: **Method:** TO-15

Batch CP12436 cleaned 09/29/23: JD81245-2(A408)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	65-128%

Instrument Performance Check (BFB)

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample: V7W138-BFB
Lab File ID: 7W03340.D
Instrument ID: GCMS7W
Injection Date: 09/21/23
Injection Time: 17:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13848	24.7		Pass
75	30.0 - 66.0% of mass 95	28051	50.0		Pass
95	Base peak, 100% relative abundance	56061	100.0		Pass
96	5.0 - 9.0% of mass 95	3511	6.26		Pass
173	Less than 2.0% of mass 174	287	0.51	(0.67) [a]	Pass
174	50.0 - 120.0% of mass 95	42587	76.0		Pass
175	4.0 - 9.01% of mass 174	3324	5.93	(7.81) [a]	Pass
176	93.0 - 101.0% of mass 174	41461	74.0	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	2740	4.89	(6.61) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W138-IC0138	7W03346.D	09/21/23	20:58	03:24	Initial cal 5
V7W138-ICC0138	7W03347.D	09/21/23	21:33	03:59	Initial cal 10
V7W138-IC0138	7W03348.D	09/21/23	22:09	04:35	Initial cal 20
V7W138-IC0138	7W03349.D	09/21/23	22:49	05:15	Initial cal 40
V7W138-IC0138	7W03350.D	09/21/23	23:30	05:56	Initial cal 50
V7W138-IC0138	7W03357.D	09/22/23	10:39	17:05	Initial cal 0.04
V7W138-IC0138	7W03358.D	09/22/23	11:13	17:39	Initial cal 0.10
V7W138-IC0138	7W03359.D	09/22/23	11:47	18:13	Initial cal 0.20
V7W138-IC0138	7W03360.D	09/22/23	12:24	18:50	Initial cal 0.50
V7W138-ICV0138	7W03363.D	09/22/23	14:06	20:32	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample:	V7W151-BFB	**Injection Date:**	10/06/23
Lab File ID:	7W03731.D	**Injection Time:**	08:41
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	17184	30.8		Pass
75	30.0 - 66.0% of mass 95	30437	54.6		Pass
95	Base peak, 100% relative abundance	55723	100.0		Pass
96	5.0 - 9.0% of mass 95	3591	6.44		Pass
173	Less than 2.0% of mass 174	430	0.77	(1.06) [a]	Pass
174	50.0 - 120.0% of mass 95	40693	73.0		Pass
175	4.0 - 9.01% of mass 174	2944	5.28	(7.23) [a]	Pass
176	93.0 - 101.0% of mass 174	39955	71.7	(98.2) [a]	Pass
177	5.0 - 9.0% of mass 176	2413	4.33	(6.04) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W151-CC138	7W03732.D	10/06/23	09:16	00:35	Continuing cal 10
V7W151-BS	7W03733.D	10/06/23	09:58	01:17	Blank Spike
V7W151-BSD	7W03734.D	10/06/23	10:33	01:52	Blank Spike Duplicate
V7W151-MB	7W03736.D	10/06/23	11:51	03:10	Method Blank
ZZZZZZ	7W03737.D	10/06/23	13:20	04:39	(unrelated sample)
JD74230-1	7W03738.D	10/06/23	14:06	05:25	(used for QC only; not part of job JD81245)
JD74230-1DUP	7W03739.D	10/06/23	14:41	06:00	Duplicate
ZZZZZZ	7W03740.D	10/06/23	15:16	06:35	(unrelated sample)
ZZZZZZ	7W03741.D	10/06/23	15:51	07:10	(unrelated sample)
ZZZZZZ	7W03742.D	10/06/23	16:25	07:44	(unrelated sample)
ZZZZZZ	7W03743.D	10/06/23	17:00	08:19	(unrelated sample)
ZZZZZZ	7W03745.D	10/06/23	18:07	09:26	(unrelated sample)
ZZZZZZ	7W03746.D	10/06/23	18:42	10:01	(unrelated sample)
ZZZZZZ	7W03747.D	10/06/23	19:16	10:35	(unrelated sample)
ZZZZZZ	7W03748.D	10/06/23	19:54	11:13	(unrelated sample)
ZZZZZZ	7W03749.D	10/06/23	20:30	11:49	(unrelated sample)
ZZZZZZ	7W03750.D	10/06/23	21:06	12:25	(unrelated sample)
ZZZZZZ	7W03751.D	10/06/23	21:41	13:00	(unrelated sample)
ZZZZZZ	7W03752.D	10/06/23	22:17	13:36	(unrelated sample)
ZZZZZZ	7W03753.D	10/06/23	22:52	14:11	(unrelated sample)
ZZZZZZ	7W03754.D	10/06/23	23:28	14:47	(unrelated sample)
ZZZZZZ	7W03755.D	10/07/23	00:02	15:21	(unrelated sample)
ZZZZZZ	7W03756.D	10/07/23	00:38	15:57	(unrelated sample)
V7W151-SCC	7W03757.D	10/07/23	01:13	16:32	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample:	V7W151-BFB	**Injection Date:**	10/06/23
Lab File ID:	7W03731.D	**Injection Time:**	08:41
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W151-SCC	7W03758.D	10/07/23	01:47	17:06	Summa Cleaning Certification
V7W151-SCC	7W03759.D	10/07/23	02:22	17:41	Summa Cleaning Certification
V7W151-SCC	7W03760.D	10/07/23	03:02	18:21	Summa Cleaning Certification
V7W151-SCC	7W03761.D	10/07/23	03:41	19:00	Summa Cleaning Certification
V7W151-SCC	7W03762.D	10/07/23	04:22	19:41	Summa Cleaning Certification
V7W151-SCC	7W03763.D	10/07/23	05:02	20:21	Summa Cleaning Certification
V7W151-SCC	7W03764.D	10/07/23	05:42	21:01	Summa Cleaning Certification
V7W151-SCC	7W03765.D	10/07/23	06:22	21:41	Summa Cleaning Certification
V7W151-SCC	7W03766.D	10/07/23	07:02	22:21	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample: V7W152-BFB
Lab File ID: 7W03777.D
Instrument ID: GCMS7W
Injection Date: 10/07/23
Injection Time: 13:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	17309	30.0		Pass
75	30.0 - 66.0% of mass 95	31165	53.9		Pass
95	Base peak, 100% relative abundance	57773	100.0		Pass
96	5.0 - 9.0% of mass 95	3887	6.73		Pass
173	Less than 2.0% of mass 174	253	0.44	(0.62) [a]	Pass
174	50.0 - 120.0% of mass 95	40867	70.7		Pass
175	4.0 - 9.01% of mass 174	3210	5.56	(7.85) [a]	Pass
176	93.0 - 101.0% of mass 174	39685	68.7	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	2645	4.58	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W152-CC138	7W03778.D	10/07/23	14:28	00:33	Continuing cal 10
V7W152-BS	7W03779.D	10/07/23	15:05	01:10	Blank Spike
V7W152-BSD	7W03780.D	10/07/23	15:40	01:45	Blank Spike Duplicate
V7W152-MB	7W03782.D	10/07/23	16:54	02:59	Method Blank
V7W152-SCC	7W03783.D	10/07/23	17:29	03:34	Summa Cleaning Certification
V7W152-SCC	7W03784.D	10/07/23	18:04	04:09	Summa Cleaning Certification
V7W152-SCC	7W03786.D	10/07/23	19:19	05:24	Summa Cleaning Certification
V7W152-SCC	7W03788.D	10/07/23	20:39	06:44	Summa Cleaning Certification
V7W152-SCC	7W03790.D	10/07/23	22:00	08:05	Summa Cleaning Certification
V7W152-SCC	7W03792.D	10/07/23	23:19	09:24	Summa Cleaning Certification
V7W152-SCC	7W03793.D	10/07/23	23:58	10:03	Summa Cleaning Certification
V7W152-SCC	7W03795.D	10/08/23	01:18	11:23	Summa Cleaning Certification
V7W152-SCC	7W03797.D	10/08/23	02:38	12:43	Summa Cleaning Certification
V7W152-SCC	7W03798.D	10/08/23	03:13	13:18	Summa Cleaning Certification
V7W152-SCC	7W03799.D	10/08/23	03:47	13:52	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample: V8W124-BFB
Lab File ID: 8W03113.D
Instrument ID: GCMS8W
Injection Date: 12/19/23
Injection Time: 20:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	33235	18.0		Pass
75	30.0 - 66.0% of mass 95	91059	49.3		Pass
95	Base peak, 100% relative abundance	184597	100.0		Pass
96	5.0 - 9.0% of mass 95	12182	6.60		Pass
173	Less than 2.0% of mass 174	921	0.50	(0.65) [a]	Pass
174	50.0 - 120.0% of mass 95	142784	77.3		Pass
175	4.0 - 9.01% of mass 174	10030	5.43	(7.02) [a]	Pass
176	93.0 - 101.0% of mass 174	137472	74.5	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	8885	4.81	(6.46) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V8W124-IC0124	8W03114.D	12/19/23	21:11	00:34	Initial cal 0.04
V8W124-IC0124	8W03115.D	12/19/23	21:45	01:08	Initial cal 0.10
V8W124-IC0124	8W03116.D	12/19/23	22:20	01:43	Initial cal 0.20
V8W124-IC0124	8W03117.D	12/19/23	22:56	02:19	Initial cal 0.50
V8W124-IC0124	8W03119.D	12/20/23	00:03	03:26	Initial cal 5
V8W124-ICC0124	8W03120.D	12/20/23	00:38	04:01	Initial cal 10
V8W124-IC0124	8W03121.D	12/20/23	01:14	04:37	Initial cal 20
V8W124-IC0124	8W03122.D	12/20/23	01:55	05:18	Initial cal 40
V8W124-IC0124	8W03123.D	12/20/23	02:37	06:00	Initial cal 50
V8W124-ICV0124	8W03126.D	12/20/23	04:21	07:44	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample: V8W162-BFB
Lab File ID: 8W04089.D
Instrument ID: GCMS8W
Injection Date: 01/30/24
Injection Time: 12:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	20949	12.2		Pass
75	30.0 - 66.0% of mass 95	76565	44.7		Pass
95	Base peak, 100% relative abundance	171435	100.0		Pass
96	5.0 - 9.0% of mass 95	11345	6.62		Pass
173	Less than 2.0% of mass 174	996	0.58	(0.66) [a]	Pass
174	50.0 - 120.0% of mass 95	151808	88.6		Pass
175	4.0 - 9.01% of mass 174	10842	6.32	(7.14) [a]	Pass
176	93.0 - 101.0% of mass 174	148501	86.6	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	9615	5.61	(6.47) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V8W162-CC124	8W04090.D	01/30/24	13:12	00:35	Continuing cal 10
V8W162-BS	8W04091.D	01/30/24	14:02	01:25	Blank Spike
V8W162-BSD	8W04092.D	01/30/24	14:38	02:01	Blank Spike Duplicate
V8W162-MB	8W04094.D	01/30/24	16:14	03:37	Method Blank
JD81246-1	8W04095.D	01/30/24	17:06	04:29	(used for QC only; not part of job JD81245)
JD81246-1DUP	8W04096.D	01/30/24	17:42	05:05	Duplicate
JD81245-1	8W04097.D	01/30/24	18:19	05:42	VINF
JD81245-2	8W04098.D	01/30/24	18:54	06:17	VPOST GAC
ZZZZZZ	8W04099.D	01/30/24	19:30	06:53	(unrelated sample)
ZZZZZZ	8W04100.D	01/30/24	20:06	07:29	(unrelated sample)
ZZZZZZ	8W04101.D	01/30/24	20:42	08:05	(unrelated sample)
ZZZZZZ	8W04102.D	01/30/24	21:27	08:50	(unrelated sample)
ZZZZZZ	8W04103.D	01/30/24	22:09	09:32	(unrelated sample)
ZZZZZZ	8W04104.D	01/30/24	22:44	10:07	(unrelated sample)
ZZZZZZ	8W04105.D	01/30/24	23:26	10:49	(unrelated sample)
ZZZZZZ	8W04106.D	01/31/24	00:09	11:32	(unrelated sample)
ZZZZZZ	8W04107.D	01/31/24	00:50	12:13	(unrelated sample)
V8W162-SCC	8W04109.D	01/31/24	01:59	13:22	Summa Cleaning Certification
V8W162-SCC	8W04110.D	01/31/24	02:34	13:57	Summa Cleaning Certification
V8W162-SCC	8W04112.D	01/31/24	03:44	15:07	Summa Cleaning Certification
V8W162-SCC	8W04113.D	01/31/24	04:20	15:43	Summa Cleaning Certification
V8W162-SCC	8W04114.D	01/31/24	04:55	16:18	Summa Cleaning Certification
V8W162-SCC	8W04115.D	01/31/24	05:36	16:59	Summa Cleaning Certification
V8W162-SCC	8W04116.D	01/31/24	06:17	17:40	Summa Cleaning Certification

Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Check Std:	V7W151-CC138	**Injection Date:**	10/06/23
Lab File ID:	7W03732.D	**Injection Time:**	09:16
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	41869	3.44	210856	4.79	196259	10.53
Upper Limit [a]	58617	3.77	295198	5.12	274763	10.86
Lower Limit [b]	25121	3.11	126514	4.46	117755	10.20

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W151-BS	42415	3.44	211151	4.79	199442	10.53
V7W151-BSD	44816	3.44	221785	4.79	208794	10.53
V7W151-MB	45434	3.44	230605	4.79	208229	10.52
ZZZZZZ	39217	3.45	199727	4.79	186907	10.53
JD74230-1	39895	3.44	203224	4.79	189489	10.53
JD74230-1DUP	37965	3.45	193961	4.79	182207	10.52
ZZZZZZ	38647	3.45	195597	4.79	182860	10.53
ZZZZZZ	39726	3.44	201566	4.79	189238	10.52
ZZZZZZ	38335	3.44	193893	4.79	182163	10.53
ZZZZZZ	38388	3.45	195902	4.79	182139	10.53
ZZZZZZ	36363	3.45	187705	4.79	176224	10.53
ZZZZZZ	38039	3.45	195756	4.80	186579	10.53
ZZZZZZ	37347	3.45	193409	4.79	184267	10.53
ZZZZZZ	38002	3.45	194741	4.79	185558	10.52
ZZZZZZ	37650	3.45	193726	4.79	181641	10.53
ZZZZZZ	38360	3.44	198843	4.79	185699	10.53
ZZZZZZ	38570	3.44	197206	4.79	180838	10.52
ZZZZZZ	37958	3.44	192837	4.79	183485	10.52
ZZZZZZ	37270	3.46	192277	4.80	180924	10.54
ZZZZZZ	37148	3.46	189858	4.80	180183	10.53
ZZZZZZ	36886	3.46	190881	4.80	179756	10.53
ZZZZZZ	36241	3.46	187600	4.80	176458	10.53
V7W151-SCC	39461	3.46	199187	4.80	182476	10.53
V7W151-SCC	40707	3.46	205315	4.80	187657	10.53
V7W151-SCC	40695	3.45	203810	4.80	186379	10.53
V7W151-SCC	42305	3.46	213811	4.80	192802	10.53
V7W151-SCC	43816	3.46	218371	4.80	197124	10.53
V7W151-SCC	43931	3.46	219469	4.80	198441	10.53
V7W151-SCC	43711	3.46	217681	4.80	198158	10.53
V7W151-SCC	43787	3.46	219292	4.80	196510	10.53
V7W151-SCC	46894	3.46	222341	4.80	200158	10.53
V7W151-SCC	43118	3.46	212337	4.80	192858	10.54

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene

Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Check Std:	V7W151-CC138	**Injection Date:**	10/06/23
Lab File ID:	7W03732.D	**Injection Time:**	09:16
Instrument ID:	GCMS7W	**Method:**	TO-15

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Check Std:	V7W152-CC138	**Injection Date:**	10/07/23
Lab File ID:	7W03778.D	**Injection Time:**	14:28
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	46777	3.44	233190	4.79	222300	10.53
Upper Limit [a]	65488	3.77	326466	5.12	311220	10.86
Lower Limit [b]	28066	3.11	139914	4.46	133380	10.20

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W152-BS	47171	3.45	240255	4.79	224544	10.53
V7W152-BSD	48592	3.45	244092	4.79	229648	10.53
V7W152-MB	50984	3.45	262475	4.79	236107	10.52
V7W152-SCC	51541	3.45	263961	4.79	239244	10.53
V7W152-SCC	51718	3.45	261829	4.79	237562	10.52
V7W152-SCC	49059	3.44	252794	4.79	230265	10.53
V7W152-SCC	45761	3.45	235495	4.79	225037	10.53
V7W152-SCC	49099	3.44	247664	4.79	227177	10.53
V7W152-SCC	46166	3.44	233382	4.79	214376	10.53
V7W152-SCC	48376	3.45	247279	4.79	224006	10.52
V7W152-SCC	46575	3.44	234223	4.79	213521	10.53
V7W152-SCC	45810	3.44	231302	4.79	213549	10.53
V7W152-SCC	42839	3.44	217107	4.79	201029	10.53
V7W152-SCC	44303	3.45	224447	4.79	206337	10.52

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Check Std:	V8W162-CC124	**Injection Date:**	01/30/24
Lab File ID:	8W04090.D	**Injection Time:**	13:12
Instrument ID:	GCMS8W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	149158	3.48	769412	4.87	708604	10.72
Upper Limit [a]	208821	3.81	1077177	5.20	992046	11.05
Lower Limit [b]	89495	3.15	461647	4.54	425162	10.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V8W162-BS	154207	3.48	793577	4.87	738159	10.72
V8W162-BSD	152157	3.48	779520	4.87	725685	10.72
V8W162-MB	153432	3.48	804264	4.87	732675	10.72
JD81246-1	149374	3.48	776027	4.87	706524	10.71
JD81246-1DUP	146970	3.48	763458	4.87	689223	10.72
JD81245-1	149886	3.48	767434	4.87	694491	10.72
JD81245-2	145422	3.48	745301	4.87	670396	10.72
ZZZZZZ	144979	3.48	744169	4.87	681132	10.72
ZZZZZZ	146123	3.48	753939	4.87	676298	10.72
ZZZZZZ	144704	3.48	744509	4.87	670846	10.72
ZZZZZZ	146766	3.48	750202	4.87	700433	10.71
ZZZZZZ	137585	3.48	716579	4.87	676177	10.72
ZZZZZZ	138922	3.48	705367	4.87	637285	10.72
ZZZZZZ	141665	3.48	718946	4.87	674127	10.72
ZZZZZZ	139269	3.48	687668	4.87	667021	10.72
ZZZZZZ	151840	3.50	724976	4.89	677450	10.72
V8W162-SCC	136521	3.48	703566	4.87	645679	10.72
V8W162-SCC	134428	3.48	694437	4.87	634636	10.72
V8W162-SCC	133948	3.48	676803	4.87	626377	10.72
V8W162-SCC	133349	3.48	686137	4.87	628549	10.72
V8W162-SCC	132405	3.48	677263	4.87	617861	10.72
V8W162-SCC	131690	3.48	676913	4.87	617325	10.72
V8W162-SCC	130430	3.48	668785	4.87	611999	10.71

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	Reporting this level
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.25	3.44	0.654	ok	0.655	0.595-0.715
Acrolein	2.21	3.44	0.642	ok	0.642	0.582-0.702
Acrylonitrile	2.40	3.44	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.17	3.44	0.631	ok	0.629	0.569-0.689
1,3-Butadiene	1.94	3.44	0.564	ok	0.562	0.502-0.622
Benzene	4.45	3.44	1.294	ok	1.294	1.234-1.354
Bromobenzene	14.28	10.52	1.357	ok	1.357	1.297-1.417
Bromodichloromethane	5.33	4.79	1.113	ok	1.113	1.053-1.173
Bromoform	11.74	10.52	1.116	ok	1.116	1.056-1.176
Bromomethane	2.02	3.44	0.587	ok	0.585	0.525-0.645
Bromoethene	2.17	3.44	0.631	ok	0.631	0.571-0.691
n-Butane	1.95	3.44	0.567	ok	0.567	0.507-0.627
Benzyl Chloride	16.85	10.52	1.602	ok	1.601	1.541-1.661
n-Butylbenzene	17.56	10.52	1.669	ok	1.669	1.609-1.729
sec-Butylbenzene	17.04	10.52	1.620	ok	1.619	1.559-1.679
tert-Butylbenzene	16.76	10.52	1.593	ok	1.592	1.532-1.652
Carbon disulfide	2.65	3.44	0.770	ok	0.770	0.710-0.830
Chlorobenzene	10.60	10.52	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.44	0.509	ok	0.509	0.449-0.569
Chloroethane	2.07	3.44	0.602	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Chloroform	3.52	3.44	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.44	0.532	ok	0.532	0.472-0.592
3-Chloropropene	2.60	3.44	0.756	ok	0.755	0.695-0.815
2-Chlorotoluene	15.42	10.52	1.466	ok	1.465	1.405-1.525
Carbon tetrachloride	4.57	3.44	1.328	ok	1.328	1.268-1.388
Cyclohexane	4.67	4.79	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.97	3.44	0.863	ok	0.864	0.804-0.924
1,1-Dichloroethylene	2.51	3.44	0.730	ok	0.730	0.670-0.790
1,2-Dibromoethane (EDB)	8.50	4.79	1.775	ok	1.776	1.716-1.836
1,2-Dichloroethane	3.95	3.44	1.148	ok	1.149	1.089-1.209
1,2-Dichloropropane	5.14	4.79	1.073	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.66	4.79	1.599	ok	1.600	1.540-1.660
1,4-Dioxane	5.42	4.79	1.132	ok	1.136	1.076-1.196
Dichlorodifluoromethane	1.78	3.44	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	2.09	3.44	0.608	ok	0.608	0.548-0.668
Dibromochloromethane	8.15	4.79	1.701	ok	1.702	1.642-1.762
Dibromomethane	5.10	4.79	1.065	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.44	0.840	ok	0.840	0.780-0.900

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	Reporting this level
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.36	3.44	0.977	ok	0.977	0.917-1.037
cis-1,3-Dichloropropene	6.36	4.79	1.328	ok	1.328	1.268-1.388
m-Dichlorobenzene	16.82	10.52	1.599	ok	1.598	1.538-1.658
o-Dichlorobenzene	17.20	10.52	1.635	ok	1.635	1.575-1.695
p-Dichlorobenzene	16.91	10.52	1.607	ok	1.607	1.547-1.667
trans-1,3-Dichloropropene	7.06	4.79	1.474	ok	1.474	1.414-1.534
Di-Isopropyl ether	3.51	3.44	1.020	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.94	4.79	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	4.04	3.44	1.174	ok	1.175	1.115-1.235
Ethanol	2.10	3.44	0.610	ok	0.611	0.551-0.671
Ethylbenzene	11.50	10.52	1.093	ok	1.093	1.033-1.153
Ethyl Acetate	3.51	3.44	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.27	4.79	1.100	ok	1.102	1.042-1.162
4-Ethyltoluene	16.13	10.52	1.533	ok	1.533	1.473-1.593
Freon 113	2.65	3.44	0.770	ok	0.770	0.710-0.830
Freon 114	1.86	3.44	0.541	ok	0.541	0.481-0.601
Freon 123	2.22	3.44	0.645	ok	0.645	0.585-0.705
Freon 123A	2.24	3.44	0.651	ok	0.651	0.591-0.711
Freon 142B	1.82	3.44	0.529	ok	0.529	0.469-0.589
Freon 152A	1.74	3.44	0.506	ok	0.506	0.446-0.566
Heptane	5.82	4.79	1.215	ok	1.214	1.154-1.274
Hexachlorobutadiene	18.77	10.52	1.784	ok	1.784	1.724-1.844
Hexachloroethane	17.74	10.52	1.686	ok	1.686	1.626-1.746
Hexane	3.50	3.44	1.017	ok	1.017	0.957-1.077
2-Hexanone	8.20	4.79	1.712	ok	1.714	1.654-1.774
Iodomethane	2.49	3.44	0.724	ok	0.724	0.664-0.784
Isopropylbenzene	14.41	10.52	1.370	ok	1.369	1.309-1.429
Isopropyl Alcohol	2.33	3.44	0.677	ok	0.678	0.618-0.738
p-Isopropyltoluene	17.22	10.52	1.637	ok	1.636	1.576-1.696
Methylene chloride	2.55	3.44	0.741	ok	0.741	0.681-0.801
Methyl ethyl ketone	3.15	3.44	0.916	ok	0.918	0.858-0.978
Methyl Isobutyl Ketone	6.48	4.79	1.353	ok	1.354	1.294-1.414
Methyl Tert Butyl Ether	3.01	3.44	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.71	4.79	1.192	ok	1.193	1.133-1.253
Naphthalene	18.52	10.52	1.760	ok	1.760	1.700-1.820
Nonane	14.00	10.52	1.331	ok	1.330	1.270-1.390
Octane	9.52	4.79	1.987	ok	1.987	1.927-2.047
Pentane	2.43	3.44	0.706	ok	0.705	0.645-0.765
n-Propylbenzene	15.76	10.52	1.498	ok	1.498	1.438-1.558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	Reporting this level
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Propylene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Styrene	12.66	10.52	1.203	ok	1.203	1.143-1.263
1,1,1-Trichloroethane	4.13	3.44	1.201	ok	1.200	1.140-1.260
1,1,1,2-Tetrachloroethane	10.62	10.52	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.89	10.52	1.225	ok	1.225	1.165-1.285
1,1,2-Trichloroethane	7.23	4.79	1.509	ok	1.509	1.449-1.569
1,2,4-Trichlorobenzene	18.47	10.52	1.756	ok	1.755	1.695-1.815
1,2,3-Trichloropropane	13.17	10.52	1.252	ok	1.252	1.192-1.312
1,2,3-Trimethylbenzene	17.15	10.52	1.630	ok	1.629	1.569-1.689
1,2,4-Trimethylbenzene	16.77	10.52	1.594	ok	1.593	1.533-1.653
1,3,5-Trimethylbenzene	16.30	10.52	1.549	ok	1.548	1.488-1.608
2,2,4-Trimethylpentane	5.49	4.79	1.146	ok	1.146	1.086-1.206
Tertiary Butyl Alcohol	2.54	3.44	0.738	ok	0.740	0.680-0.800
Tetrachloroethylene	9.37	4.79	1.956	ok	1.957	1.897-2.017
Tetrahydrofuran	3.75	3.44	1.090	ok	1.092	1.032-1.152
Toluene	7.60	4.79	1.587	ok	1.587	1.527-1.647
Trichloroethylene	5.39	4.79	1.125	ok	1.125	1.065-1.185
Trichlorofluoromethane	2.31	3.44	0.672	ok	0.672	0.612-0.732
Vinyl chloride	1.89	3.44	0.549	ok	0.549	0.489-0.609
Vinyl Acetate	3.05	3.44	0.887	ok	0.887	0.827-0.947
m,p-Xylene	11.93	10.52	1.134	ok	1.134	1.074-1.194
o-Xylene	12.88	10.52	1.224	ok	1.224	1.164-1.284
TVHC As Equiv Pentane	2.43	10.52	0.231	ok	0.230	0.170-0.290

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.44	ok	3.44	3.11-3.77	46989	ok	47113	28268-65958
1,4-Difluorobenzene	4.79	ok	4.79	4.46-5.12	242489	ok	243463	146078-340848
Chlorobenzene-D5	10.52	ok	10.53	10.20-10.86	220179	ok	223122	133873-312371

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.25	3.44	0.654	ok	0.655	0.595-0.715
Acrolein	2.21	3.44	0.642	ok	0.642	0.582-0.702
Acrylonitrile	2.40	3.44	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.16	3.44	0.628	ok	0.629	0.569-0.689
1,3-Butadiene	1.93	3.44	0.561	ok	0.562	0.502-0.622
Benzene	4.45	3.44	1.294	ok	1.294	1.234-1.354
Bromobenzene	14.28	10.53	1.356	ok	1.357	1.297-1.417
Bromodichloromethane	5.33	4.79	1.113	ok	1.113	1.053-1.173
Bromoform	11.74	10.53	1.115	ok	1.116	1.056-1.176
Bromomethane	2.01	3.44	0.584	ok	0.585	0.525-0.645
Bromoethene	2.17	3.44	0.631	ok	0.631	0.571-0.691
n-Butane	1.95	3.44	0.567	ok	0.567	0.507-0.627
Benzyl Chloride	16.85	10.53	1.600	ok	1.601	1.541-1.661
n-Butylbenzene	17.56	10.53	1.668	ok	1.669	1.609-1.729
sec-Butylbenzene	17.04	10.53	1.618	ok	1.619	1.559-1.679
tert-Butylbenzene	16.76	10.53	1.592	ok	1.592	1.532-1.652
Carbon disulfide	2.65	3.44	0.770	ok	0.770	0.710-0.830
Chlorobenzene	10.60	10.53	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.44	0.509	ok	0.509	0.449-0.569
Chloroethane	2.06	3.44	0.599	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Chloroform	3.52	3.44	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.44	0.532	ok	0.532	0.472-0.592
3-Chloropropene	2.60	3.44	0.756	ok	0.755	0.695-0.815
2-Chlorotoluene	15.42	10.53	1.464	ok	1.465	1.405-1.525
Carbon tetrachloride	4.57	3.44	1.328	ok	1.328	1.268-1.388
Cyclohexane	4.67	4.79	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.97	3.44	0.863	ok	0.864	0.804-0.924
1,1-Dichloroethylene	2.51	3.44	0.730	ok	0.730	0.670-0.790
1,2-Dibromoethane (EDB)	8.50	4.79	1.775	ok	1.776	1.716-1.836
1,2-Dichloroethane	3.95	3.44	1.148	ok	1.149	1.089-1.209
1,2-Dichloropropane	5.15	4.79	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.66	4.79	1.599	ok	1.600	1.540-1.660
1,4-Dioxane	5.41	4.79	1.129	ok	1.136	1.076-1.196
Dichlorodifluoromethane	1.78	3.44	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	2.09	3.44	0.608	ok	0.608	0.548-0.668
Dibromochloromethane	8.15	4.79	1.701	ok	1.702	1.642-1.762
Dibromomethane	5.11	4.79	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.44	0.840	ok	0.840	0.780-0.900

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.36	3.44	0.977	ok	0.977	0.917-1.037
cis-1,3-Dichloropropene	6.36	4.79	1.328	ok	1.328	1.268-1.388
m-Dichlorobenzene	16.83	10.53	1.598	ok	1.598	1.538-1.658
o-Dichlorobenzene	17.20	10.53	1.633	ok	1.635	1.575-1.695
p-Dichlorobenzene	16.91	10.53	1.606	ok	1.607	1.547-1.667
trans-1,3-Dichloropropene	7.06	4.79	1.474	ok	1.474	1.414-1.534
Di-Isopropyl ether	3.50	3.44	1.017	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.94	4.79	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	4.04	3.44	1.174	ok	1.175	1.115-1.235
Ethanol	2.10	3.44	0.610	ok	0.611	0.551-0.671
Ethylbenzene	11.50	10.53	1.092	ok	1.093	1.033-1.153
Ethyl Acetate	3.51	3.44	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.27	4.79	1.100	ok	1.102	1.042-1.162
4-Ethyltoluene	16.14	10.53	1.533	ok	1.533	1.473-1.593
Freon 113	2.65	3.44	0.770	ok	0.770	0.710-0.830
Freon 114	1.86	3.44	0.541	ok	0.541	0.481-0.601
Freon 123	2.22	3.44	0.645	ok	0.645	0.585-0.705
Freon 123A	2.24	3.44	0.651	ok	0.651	0.591-0.711
Freon 142B	1.82	3.44	0.529	ok	0.529	0.469-0.589
Freon 152A	1.74	3.44	0.506	ok	0.506	0.446-0.566
Heptane	5.81	4.79	1.213	ok	1.214	1.154-1.274
Hexachlorobutadiene	18.78	10.53	1.783	ok	1.784	1.724-1.844
Hexachloroethane	17.74	10.53	1.685	ok	1.686	1.626-1.746
Hexane	3.50	3.44	1.017	ok	1.017	0.957-1.077
2-Hexanone	8.19	4.79	1.710	ok	1.714	1.654-1.774
Iodomethane	2.49	3.44	0.724	ok	0.724	0.664-0.784
Isopropylbenzene	14.41	10.53	1.368	ok	1.369	1.309-1.429
Isopropyl Alcohol	2.33	3.44	0.677	ok	0.678	0.618-0.738
p-Isopropyltoluene	17.22	10.53	1.635	ok	1.636	1.576-1.696
Methylene chloride	2.55	3.44	0.741	ok	0.741	0.681-0.801
Methyl ethyl ketone	3.15	3.44	0.916	ok	0.918	0.858-0.978
Methyl Isobutyl Ketone	6.47	4.79	1.351	ok	1.354	1.294-1.414
Methyl Tert Butyl Ether	3.01	3.44	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.70	4.79	1.190	ok	1.193	1.133-1.253
Naphthalene	18.52	10.53	1.759	ok	1.760	1.700-1.820
Nonane	14.00	10.53	1.330	ok	1.330	1.270-1.390
Octane	9.52	4.79	1.987	ok	1.987	1.927-2.047
Pentane	2.43	3.44	0.706	ok	0.705	0.645-0.765
n-Propylbenzene	15.76	10.53	1.497	ok	1.498	1.438-1.558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Styrene	12.66	10.53	1.202	ok	1.203	1.143-1.263
1,1,1-Trichloroethane	4.13	3.44	1.201	ok	1.200	1.140-1.260
1,1,1,2-Tetrachloroethane	10.61	10.53	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.89	10.53	1.224	ok	1.225	1.165-1.285
1,1,2-Trichloroethane	7.22	4.79	1.507	ok	1.509	1.449-1.569
1,2,4-Trichlorobenzene	18.47	10.53	1.754	ok	1.755	1.695-1.815
1,2,3-Trichloropropane	13.17	10.53	1.251	ok	1.252	1.192-1.312
1,2,3-Trimethylbenzene	17.15	10.53	1.629	ok	1.629	1.569-1.689
1,2,4-Trimethylbenzene	16.77	10.53	1.593	ok	1.593	1.533-1.653
1,3,5-Trimethylbenzene	16.30	10.53	1.548	ok	1.548	1.488-1.608
2,2,4-Trimethylpentane	5.49	4.79	1.146	ok	1.146	1.086-1.206
Tertiary Butyl Alcohol	2.53	3.44	0.735	ok	0.740	0.680-0.800
Tetrachloroethylene	9.38	4.79	1.958	ok	1.957	1.897-2.017
Tetrahydrofuran	3.74	3.44	1.087	ok	1.092	1.032-1.152
Toluene	7.60	4.79	1.587	ok	1.587	1.527-1.647
Trichloroethylene	5.39	4.79	1.125	ok	1.125	1.065-1.185
Trichlorofluoromethane	2.31	3.44	0.672	ok	0.672	0.612-0.732
Vinyl chloride	1.89	3.44	0.549	ok	0.549	0.489-0.609
Vinyl Acetate	3.05	3.44	0.887	ok	0.887	0.827-0.947
m,p-Xylene	11.94	10.53	1.134	ok	1.134	1.074-1.194
o-Xylene	12.88	10.53	1.223	ok	1.224	1.164-1.284
TVHC As Equiv Pentane	2.43	10.53	0.231	ok	0.230	0.170-0.290

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.44	ok	3.44	3.11-3.77	45391	ok	47113	28268-65958
1,4-Difluorobenzene	4.79	ok	4.79	4.46-5.12	234134	ok	243463	146078-340848
Chlorobenzene-D5	10.53	ok	10.53	10.20-10.86	215336	ok	223122	133873-312371

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone (2-Propanone)	2.25	3.44	0.654	ok	0.655	0.595-0.715
Acrolein	2.21	3.44	0.642	ok	0.642	0.582-0.702
Acrylonitrile	2.40	3.44	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.16	3.44	0.628	ok	0.629	0.569-0.689
1,3-Butadiene	1.93	3.44	0.561	ok	0.562	0.502-0.622
Benzene	4.45	3.44	1.294	ok	1.294	1.234-1.354
Bromobenzene	14.29	10.53	1.357	ok	1.357	1.297-1.417
Bromodichloromethane	5.33	4.79	1.113	ok	1.113	1.053-1.173
Bromoform	11.75	10.53	1.116	ok	1.116	1.056-1.176
Bromomethane	2.01	3.44	0.584	ok	0.585	0.525-0.645
Bromoethene	2.17	3.44	0.631	ok	0.631	0.571-0.691
n-Butane	1.95	3.44	0.567	ok	0.567	0.507-0.627
Benzyl Chloride	16.85	10.53	1.600	ok	1.601	1.541-1.661
n-Butylbenzene	17.56	10.53	1.668	ok	1.669	1.609-1.729
sec-Butylbenzene	17.04	10.53	1.618	ok	1.619	1.559-1.679
tert-Butylbenzene	16.76	10.53	1.592	ok	1.592	1.532-1.652
Carbon disulfide	2.65	3.44	0.770	ok	0.770	0.710-0.830
Chlorobenzene	10.61	10.53	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.44	0.509	ok	0.509	0.449-0.569
Chloroethane	2.06	3.44	0.599	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Chloroform	3.52	3.44	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.44	0.532	ok	0.532	0.472-0.592
3-Chloropropene	2.60	3.44	0.756	ok	0.755	0.695-0.815
2-Chlorotoluene	15.42	10.53	1.464	ok	1.465	1.405-1.525
Carbon tetrachloride	4.57	3.44	1.328	ok	1.328	1.268-1.388
Cyclohexane	4.67	4.79	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.97	3.44	0.863	ok	0.864	0.804-0.924
1,1-Dichloroethylene	2.51	3.44	0.730	ok	0.730	0.670-0.790
1,2-Dibromoethane (EDB)	8.51	4.79	1.777	ok	1.776	1.716-1.836
1,2-Dichloroethane	3.95	3.44	1.148	ok	1.149	1.089-1.209
1,2-Dichloropropane	5.15	4.79	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.66	4.79	1.599	ok	1.600	1.540-1.660
1,4-Dioxane	5.40	4.79	1.127	ok	1.136	1.076-1.196
Dichlorodifluoromethane	1.78	3.44	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	2.09	3.44	0.608	ok	0.608	0.548-0.668
Dibromochloromethane	8.15	4.79	1.701	ok	1.702	1.642-1.762
Dibromomethane	5.11	4.79	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.44	0.840	ok	0.840	0.780-0.900

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.36	3.44	0.977	ok	0.977	0.917-1.037
cis-1,3-Dichloropropene	6.36	4.79	1.328	ok	1.328	1.268-1.388
m-Dichlorobenzene	16.83	10.53	1.598	ok	1.598	1.538-1.658
o-Dichlorobenzene	17.21	10.53	1.634	ok	1.635	1.575-1.695
p-Dichlorobenzene	16.91	10.53	1.606	ok	1.607	1.547-1.667
trans-1,3-Dichloropropene	7.06	4.79	1.474	ok	1.474	1.414-1.534
Di-Isopropyl ether	3.50	3.44	1.017	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.94	4.79	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	4.04	3.44	1.174	ok	1.175	1.115-1.235
Ethanol	2.10	3.44	0.610	ok	0.611	0.551-0.671
Ethylbenzene	11.50	10.53	1.092	ok	1.093	1.033-1.153
Ethyl Acetate	3.51	3.44	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.27	4.79	1.100	ok	1.102	1.042-1.162
4-Ethyltoluene	16.14	10.53	1.533	ok	1.533	1.473-1.593
Freon 113	2.65	3.44	0.770	ok	0.770	0.710-0.830
Freon 114	1.86	3.44	0.541	ok	0.541	0.481-0.601
Freon 123	2.22	3.44	0.645	ok	0.645	0.585-0.705
Freon 123A	2.24	3.44	0.651	ok	0.651	0.591-0.711
Freon 142B	1.82	3.44	0.529	ok	0.529	0.469-0.589
Freon 152A	1.74	3.44	0.506	ok	0.506	0.446-0.566
Heptane	5.82	4.79	1.215	ok	1.214	1.154-1.274
Hexachlorobutadiene	18.78	10.53	1.783	ok	1.784	1.724-1.844
Hexachloroethane	17.74	10.53	1.685	ok	1.686	1.626-1.746
Hexane	3.50	3.44	1.017	ok	1.017	0.957-1.077
2-Hexanone	8.19	4.79	1.710	ok	1.714	1.654-1.774
Iodomethane	2.49	3.44	0.724	ok	0.724	0.664-0.784
Isopropylbenzene	14.41	10.53	1.368	ok	1.369	1.309-1.429
Isopropyl Alcohol	2.33	3.44	0.677	ok	0.678	0.618-0.738
p-Isopropyltoluene	17.22	10.53	1.635	ok	1.636	1.576-1.696
Methylene chloride	2.55	3.44	0.741	ok	0.741	0.681-0.801
Methyl ethyl ketone	3.15	3.44	0.916	ok	0.918	0.858-0.978
Methyl Isobutyl Ketone	6.47	4.79	1.351	ok	1.354	1.294-1.414
Methyl Tert Butyl Ether	3.01	3.44	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.71	4.79	1.192	ok	1.193	1.133-1.253
Naphthalene	18.52	10.53	1.759	ok	1.760	1.700-1.820
Nonane	14.00	10.53	1.330	ok	1.330	1.270-1.390
Octane	9.52	4.79	1.987	ok	1.987	1.927-2.047
Pentane	2.43	3.44	0.706	ok	0.705	0.645-0.765
n-Propylbenzene	15.77	10.53	1.498	ok	1.498	1.438-1.558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Styrene	12.67	10.53	1.203	ok	1.203	1.143-1.263
1,1,1-Trichloroethane	4.13	3.44	1.201	ok	1.200	1.140-1.260
1,1,1,2-Tetrachloroethane	10.62	10.53	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.89	10.53	1.224	ok	1.225	1.165-1.285
1,1,2-Trichloroethane	7.23	4.79	1.509	ok	1.509	1.449-1.569
1,2,4-Trichlorobenzene	18.47	10.53	1.754	ok	1.755	1.695-1.815
1,2,3-Trichloropropane	13.18	10.53	1.252	ok	1.252	1.192-1.312
1,2,3-Trimethylbenzene	17.15	10.53	1.629	ok	1.629	1.569-1.689
1,2,4-Trimethylbenzene	16.77	10.53	1.593	ok	1.593	1.533-1.653
1,3,5-Trimethylbenzene	16.30	10.53	1.548	ok	1.548	1.488-1.608
2,2,4-Trimethylpentane	5.49	4.79	1.146	ok	1.146	1.086-1.206
Tertiary Butyl Alcohol	2.53	3.44	0.735	ok	0.740	0.680-0.800
Tetrachloroethylene	9.38	4.79	1.958	ok	1.957	1.897-2.017
Tetrahydrofuran	3.74	3.44	1.087	ok	1.092	1.032-1.152
Toluene	7.61	4.79	1.589	ok	1.587	1.527-1.647
Trichloroethylene	5.39	4.79	1.125	ok	1.125	1.065-1.185
Trichlorofluoromethane	2.31	3.44	0.672	ok	0.672	0.612-0.732
Vinyl chloride	1.89	3.44	0.549	ok	0.549	0.489-0.609
Vinyl Acetate	3.05	3.44	0.887	ok	0.887	0.827-0.947
m,p-Xylene	11.94	10.53	1.134	ok	1.134	1.074-1.194
o-Xylene	12.88	10.53	1.223	ok	1.224	1.164-1.284
TVHC As Equiv Pentane	2.43	10.53	0.231	ok	0.230	0.170-0.290

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.44	ok	3.44	3.11-3.77	44969	ok	47113	28268-65958
1,4-Difluorobenzene	4.79	ok	4.79	4.46-5.12	229526	ok	243463	146078-340848
Chlorobenzene-D5	10.53	ok	10.53	10.20-10.86	212779	ok	223122	133873-312371

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.25	3.44	0.654	ok	0.655	0.595-0.715
Acrolein	2.21	3.44	0.642	ok	0.642	0.582-0.702
Acrylonitrile	2.40	3.44	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.16	3.44	0.628	ok	0.629	0.569-0.689
1,3-Butadiene	1.94	3.44	0.564	ok	0.562	0.502-0.622
Benzene	4.45	3.44	1.294	ok	1.294	1.234-1.354
Bromobenzene	14.29	10.53	1.357	ok	1.357	1.297-1.417
Bromodichloromethane	5.34	4.79	1.115	ok	1.113	1.053-1.173
Bromoform	11.76	10.53	1.117	ok	1.116	1.056-1.176
Bromomethane	2.02	3.44	0.587	ok	0.585	0.525-0.645
Bromoethene	2.17	3.44	0.631	ok	0.631	0.571-0.691
n-Butane	1.95	3.44	0.567	ok	0.567	0.507-0.627
Benzyl Chloride	16.86	10.53	1.601	ok	1.601	1.541-1.661
n-Butylbenzene	17.57	10.53	1.669	ok	1.669	1.609-1.729
sec-Butylbenzene	17.04	10.53	1.618	ok	1.619	1.559-1.679
tert-Butylbenzene	16.76	10.53	1.592	ok	1.592	1.532-1.652
Carbon disulfide	2.65	3.44	0.770	ok	0.770	0.710-0.830
Chlorobenzene	10.61	10.53	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.44	0.509	ok	0.509	0.449-0.569
Chloroethane	2.07	3.44	0.602	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.77	3.44	0.515	ok	0.512	0.452-0.572
Chloroform	3.52	3.44	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.44	0.532	ok	0.532	0.472-0.592
3-Chloropropene	2.60	3.44	0.756	ok	0.755	0.695-0.815
2-Chlorotoluene	15.43	10.53	1.465	ok	1.465	1.405-1.525
Carbon tetrachloride	4.57	3.44	1.328	ok	1.328	1.268-1.388
Cyclohexane	4.67	4.79	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.97	3.44	0.863	ok	0.864	0.804-0.924
1,1-Dichloroethylene	2.51	3.44	0.730	ok	0.730	0.670-0.790
1,2-Dibromoethane (EDB)	8.51	4.79	1.777	ok	1.776	1.716-1.836
1,2-Dichloroethane	3.95	3.44	1.148	ok	1.149	1.089-1.209
1,2-Dichloropropane	5.15	4.79	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.67	4.79	1.601	ok	1.600	1.540-1.660
1,4-Dioxane	5.40	4.79	1.127	ok	1.136	1.076-1.196
Dichlorodifluoromethane	1.78	3.44	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	2.09	3.44	0.608	ok	0.608	0.548-0.668
Dibromochloromethane	8.16	4.79	1.704	ok	1.702	1.642-1.762
Dibromomethane	5.11	4.79	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.44	0.840	ok	0.840	0.780-0.900

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.36	3.44	0.977	ok	0.977	0.917-1.037
cis-1,3-Dichloropropene	6.36	4.79	1.328	ok	1.328	1.268-1.388
m-Dichlorobenzene	16.83	10.53	1.598	ok	1.598	1.538-1.658
o-Dichlorobenzene	17.21	10.53	1.634	ok	1.635	1.575-1.695
p-Dichlorobenzene	16.91	10.53	1.606	ok	1.607	1.547-1.667
trans-1,3-Dichloropropene	7.06	4.79	1.474	ok	1.474	1.414-1.534
Di-Isopropyl ether	3.50	3.44	1.017	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.94	4.79	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	4.04	3.44	1.174	ok	1.175	1.115-1.235
Ethanol	2.10	3.44	0.610	ok	0.611	0.551-0.671
Ethylbenzene	11.50	10.53	1.092	ok	1.093	1.033-1.153
Ethyl Acetate	3.51	3.44	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.27	4.79	1.100	ok	1.102	1.042-1.162
4-Ethyltoluene	16.14	10.53	1.533	ok	1.533	1.473-1.593
Freon 113	2.65	3.44	0.770	ok	0.770	0.710-0.830
Freon 114	1.86	3.44	0.541	ok	0.541	0.481-0.601
Freon 123	2.22	3.44	0.645	ok	0.645	0.585-0.705
Freon 123A	2.24	3.44	0.651	ok	0.651	0.591-0.711
Freon 142B	1.82	3.44	0.529	ok	0.529	0.469-0.589
Freon 152A	1.74	3.44	0.506	ok	0.506	0.446-0.566
Heptane	5.82	4.79	1.215	ok	1.214	1.154-1.274
Hexachlorobutadiene	18.78	10.53	1.783	ok	1.784	1.724-1.844
Hexachloroethane	17.75	10.53	1.686	ok	1.686	1.626-1.746
Hexane	3.50	3.44	1.017	ok	1.017	0.957-1.077
2-Hexanone	8.19	4.79	1.710	ok	1.714	1.654-1.774
Iodomethane	2.49	3.44	0.724	ok	0.724	0.664-0.784
Isopropylbenzene	14.42	10.53	1.369	ok	1.369	1.309-1.429
Isopropyl Alcohol	2.33	3.44	0.677	ok	0.678	0.618-0.738
p-Isopropyltoluene	17.22	10.53	1.635	ok	1.636	1.576-1.696
Methylene chloride	2.55	3.44	0.741	ok	0.741	0.681-0.801
Methyl ethyl ketone	3.15	3.44	0.916	ok	0.918	0.858-0.978
Methyl Isobutyl Ketone	6.47	4.79	1.351	ok	1.354	1.294-1.414
Methyl Tert Butyl Ether	3.01	3.44	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.71	4.79	1.192	ok	1.193	1.133-1.253
Naphthalene	18.52	10.53	1.759	ok	1.760	1.700-1.820
Nonane	14.01	10.53	1.330	ok	1.330	1.270-1.390
Octane	9.52	4.79	1.987	ok	1.987	1.927-2.047
Pentane	2.43	3.44	0.706	ok	0.705	0.645-0.765
n-Propylbenzene	15.77	10.53	1.498	ok	1.498	1.438-1.558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Styrene	12.68	10.53	1.204	ok	1.203	1.143-1.263
1,1,1-Trichloroethane	4.13	3.44	1.201	ok	1.200	1.140-1.260
1,1,1,2-Tetrachloroethane	10.63	10.53	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.90	10.53	1.225	ok	1.225	1.165-1.285
1,1,2-Trichloroethane	7.23	4.79	1.509	ok	1.509	1.449-1.569
1,2,4-Trichlorobenzene	18.48	10.53	1.755	ok	1.755	1.695-1.815
1,2,3-Trichloropropane	13.19	10.53	1.253	ok	1.252	1.192-1.312
1,2,3-Trimethylbenzene	17.15	10.53	1.629	ok	1.629	1.569-1.689
1,2,4-Trimethylbenzene	16.77	10.53	1.593	ok	1.593	1.533-1.653
1,3,5-Trimethylbenzene	16.30	10.53	1.548	ok	1.548	1.488-1.608
2,2,4-Trimethylpentane	5.49	4.79	1.146	ok	1.146	1.086-1.206
Tertiary Butyl Alcohol	2.53	3.44	0.735	ok	0.740	0.680-0.800
Tetrachloroethylene	9.38	4.79	1.958	ok	1.957	1.897-2.017
Tetrahydrofuran	3.74	3.44	1.087	ok	1.092	1.032-1.152
Toluene	7.61	4.79	1.589	ok	1.587	1.527-1.647
Trichloroethylene	5.39	4.79	1.125	ok	1.125	1.065-1.185
Trichlorofluoromethane	2.31	3.44	0.672	ok	0.672	0.612-0.732
Vinyl chloride	1.89	3.44	0.549	ok	0.549	0.489-0.609
Vinyl Acetate	3.05	3.44	0.887	ok	0.887	0.827-0.947
m,p-Xylene	11.95	10.53	1.135	ok	1.134	1.074-1.194
o-Xylene	12.89	10.53	1.224	ok	1.224	1.164-1.284
TVHC As Equiv Pentane	2.43	10.53	0.231	ok	0.230	0.170-0.290

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.44	ok	3.44	3.11-3.77	43104	ok	47113	28268-65958
1,4-Difluorobenzene	4.79	ok	4.79	4.46-5.12	217745	ok	243463	146078-340848
Chlorobenzene-D5	10.53	ok	10.53	10.20-10.86	205592	ok	223122	133873-312371

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.25	3.44	0.654	ok	0.655	0.595-0.715
Acrolein	2.21	3.44	0.642	ok	0.642	0.582-0.702
Acrylonitrile	2.40	3.44	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.16	3.44	0.628	ok	0.629	0.569-0.689
1,3-Butadiene	1.93	3.44	0.561	ok	0.562	0.502-0.622
Benzene	4.45	3.44	1.294	ok	1.294	1.234-1.354
Bromobenzene	14.30	10.53	1.358	ok	1.357	1.297-1.417
Bromodichloromethane	5.34	4.79	1.115	ok	1.113	1.053-1.173
Bromoform	11.76	10.53	1.117	ok	1.116	1.056-1.176
Bromomethane	2.01	3.44	0.584	ok	0.585	0.525-0.645
Bromoethene	2.17	3.44	0.631	ok	0.631	0.571-0.691
n-Butane	1.95	3.44	0.567	ok	0.567	0.507-0.627
Benzyl Chloride	16.86	10.53	1.601	ok	1.601	1.541-1.661
n-Butylbenzene	17.57	10.53	1.669	ok	1.669	1.609-1.729
sec-Butylbenzene	17.04	10.53	1.618	ok	1.619	1.559-1.679
tert-Butylbenzene	16.76	10.53	1.592	ok	1.592	1.532-1.652
Carbon disulfide	2.65	3.44	0.770	ok	0.770	0.710-0.830
Chlorobenzene	10.62	10.53	1.009	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.44	0.509	ok	0.509	0.449-0.569
Chloroethane	2.07	3.44	0.602	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Chloroform	3.52	3.44	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.44	0.532	ok	0.532	0.472-0.592
3-Chloropropene	2.60	3.44	0.756	ok	0.755	0.695-0.815
2-Chlorotoluene	15.43	10.53	1.465	ok	1.465	1.405-1.525
Carbon tetrachloride	4.57	3.44	1.328	ok	1.328	1.268-1.388
Cyclohexane	4.67	4.79	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.97	3.44	0.863	ok	0.864	0.804-0.924
1,1-Dichloroethylene	2.51	3.44	0.730	ok	0.730	0.670-0.790
1,2-Dibromoethane (EDB)	8.52	4.79	1.779	ok	1.776	1.716-1.836
1,2-Dichloroethane	3.95	3.44	1.148	ok	1.149	1.089-1.209
1,2-Dichloropropane	5.15	4.79	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.67	4.79	1.601	ok	1.600	1.540-1.660
1,4-Dioxane	5.40	4.79	1.127	ok	1.136	1.076-1.196
Dichlorodifluoromethane	1.78	3.44	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	2.09	3.44	0.608	ok	0.608	0.548-0.668
Dibromochloromethane	8.16	4.79	1.704	ok	1.702	1.642-1.762
Dibromomethane	5.11	4.79	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.44	0.840	ok	0.840	0.780-0.900

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.36	3.44	0.977	ok	0.977	0.917-1.037
cis-1,3-Dichloropropene	6.36	4.79	1.328	ok	1.328	1.268-1.388
m-Dichlorobenzene	16.83	10.53	1.598	ok	1.598	1.538-1.658
o-Dichlorobenzene	17.21	10.53	1.634	ok	1.635	1.575-1.695
p-Dichlorobenzene	16.92	10.53	1.607	ok	1.607	1.547-1.667
trans-1,3-Dichloropropene	7.06	4.79	1.474	ok	1.474	1.414-1.534
Di-Isopropyl ether	3.50	3.44	1.017	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.94	4.79	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	4.04	3.44	1.174	ok	1.175	1.115-1.235
Ethanol	2.10	3.44	0.610	ok	0.611	0.551-0.671
Ethylbenzene	11.51	10.53	1.093	ok	1.093	1.033-1.153
Ethyl Acetate	3.51	3.44	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.27	4.79	1.100	ok	1.102	1.042-1.162
4-Ethyltoluene	16.14	10.53	1.533	ok	1.533	1.473-1.593
Freon 113	2.65	3.44	0.770	ok	0.770	0.710-0.830
Freon 114	1.86	3.44	0.541	ok	0.541	0.481-0.601
Freon 123	2.22	3.44	0.645	ok	0.645	0.585-0.705
Freon 123A	2.24	3.44	0.651	ok	0.651	0.591-0.711
Freon 142B	1.82	3.44	0.529	ok	0.529	0.469-0.589
Freon 152A	1.74	3.44	0.506	ok	0.506	0.446-0.566
Heptane	5.82	4.79	1.215	ok	1.214	1.154-1.274
Hexachlorobutadiene	18.78	10.53	1.783	ok	1.784	1.724-1.844
Hexachloroethane	17.75	10.53	1.686	ok	1.686	1.626-1.746
Hexane	3.50	3.44	1.017	ok	1.017	0.957-1.077
2-Hexanone	8.19	4.79	1.710	ok	1.714	1.654-1.774
Iodomethane	2.49	3.44	0.724	ok	0.724	0.664-0.784
Isopropylbenzene	14.42	10.53	1.369	ok	1.369	1.309-1.429
Isopropyl Alcohol	2.33	3.44	0.677	ok	0.678	0.618-0.738
p-Isopropyltoluene	17.22	10.53	1.635	ok	1.636	1.576-1.696
Methylene chloride	2.55	3.44	0.741	ok	0.741	0.681-0.801
Methyl ethyl ketone	3.15	3.44	0.916	ok	0.918	0.858-0.978
Methyl Isobutyl Ketone	6.47	4.79	1.351	ok	1.354	1.294-1.414
Methyl Tert Butyl Ether	3.01	3.44	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.71	4.79	1.192	ok	1.193	1.133-1.253
Naphthalene	18.53	10.53	1.760	ok	1.760	1.700-1.820
Nonane	14.02	10.53	1.331	ok	1.330	1.270-1.390
Octane	9.53	4.79	1.990	ok	1.987	1.927-2.047
Pentane	2.43	3.44	0.706	ok	0.705	0.645-0.765
n-Propylbenzene	15.77	10.53	1.498	ok	1.498	1.438-1.558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Styrene	12.68	10.53	1.204	ok	1.203	1.143-1.263
1,1,1-Trichloroethane	4.13	3.44	1.201	ok	1.200	1.140-1.260
1,1,1,2-Tetrachloroethane	10.63	10.53	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.91	10.53	1.226	ok	1.225	1.165-1.285
1,1,2-Trichloroethane	7.23	4.79	1.509	ok	1.509	1.449-1.569
1,2,4-Trichlorobenzene	18.48	10.53	1.755	ok	1.755	1.695-1.815
1,2,3-Trichloropropane	13.19	10.53	1.253	ok	1.252	1.192-1.312
1,2,3-Trimethylbenzene	17.16	10.53	1.630	ok	1.629	1.569-1.689
1,2,4-Trimethylbenzene	16.77	10.53	1.593	ok	1.593	1.533-1.653
1,3,5-Trimethylbenzene	16.31	10.53	1.549	ok	1.548	1.488-1.608
2,2,4-Trimethylpentane	5.49	4.79	1.146	ok	1.146	1.086-1.206
Tertiary Butyl Alcohol	2.53	3.44	0.735	ok	0.740	0.680-0.800
Tetrachloroethylene	9.38	4.79	1.958	ok	1.957	1.897-2.017
Tetrahydrofuran	3.74	3.44	1.087	ok	1.092	1.032-1.152
Toluene	7.61	4.79	1.589	ok	1.587	1.527-1.647
Trichloroethylene	5.40	4.79	1.127	ok	1.125	1.065-1.185
Trichlorofluoromethane	2.31	3.44	0.672	ok	0.672	0.612-0.732
Vinyl chloride	1.89	3.44	0.549	ok	0.549	0.489-0.609
Vinyl Acetate	3.05	3.44	0.887	ok	0.887	0.827-0.947
m,p-Xylene	11.95	10.53	1.135	ok	1.134	1.074-1.194
o-Xylene	12.89	10.53	1.224	ok	1.224	1.164-1.284
TVHC As Equiv Pentane	2.43	10.53	0.231	ok	0.230	0.170-0.290

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.44	ok	3.44	3.11-3.77	44584	ok	47113	28268-65958
1,4-Difluorobenzene	4.79	ok	4.79	4.46-5.12	225915	ok	243463	146078-340848
Chlorobenzene-D5	10.53	ok	10.53	10.20-10.86	218337	ok	223122	133873-312371

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.45	3.44	1.294	ok	1.294	1.234-1.354
Bromobenzene	14.28	10.52	1.357	ok	1.357	1.297-1.417
Bromodichloromethane	5.33	4.79	1.113	ok	1.113	1.053-1.173
n-Butane	1.95	3.44	0.567	ok	0.567	0.507-0.627
Benzyl Chloride	16.85	10.52	1.602	ok	1.601	1.541-1.661
Carbon disulfide	2.65	3.44	0.770	ok	0.770	0.710-0.830
Chlorobenzene	10.61	10.52	1.009	ok	1.008	0.948-1.068
Chloroform	3.51	3.44	1.020	ok	1.023	0.963-1.083
Carbon tetrachloride	4.57	3.44	1.328	ok	1.328	1.268-1.388
1,1-Dichloroethane	2.97	3.44	0.863	ok	0.864	0.804-0.924
1,2-Dibromoethane (EDB)	8.50	4.79	1.775	ok	1.776	1.716-1.836
1,2-Dichloroethane	3.95	3.44	1.148	ok	1.149	1.089-1.209
1,3-Dichloropropane	7.67	4.79	1.601	ok	1.600	1.540-1.660
Dichlorodifluoromethane	1.78	3.44	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	2.09	3.44	0.608	ok	0.608	0.548-0.668
Dibromochloromethane	8.14	4.79	1.699	ok	1.702	1.642-1.762
m-Dichlorobenzene	16.82	10.52	1.599	ok	1.598	1.538-1.658
o-Dichlorobenzene	17.21	10.52	1.636	ok	1.635	1.575-1.695
p-Dichlorobenzene	16.91	10.52	1.607	ok	1.607	1.547-1.667
2,4-Dimethylpentane	4.05	3.44	1.177	ok	1.175	1.115-1.235
Ethylbenzene	11.50	10.52	1.093	ok	1.093	1.033-1.153
Ethyl Acrylate	5.29	4.79	1.104	ok	1.102	1.042-1.162
4-Ethyltoluene	16.14	10.52	1.534	ok	1.533	1.473-1.593
Freon 114	1.86	3.44	0.541	ok	0.541	0.481-0.601
Freon 123	2.22	3.44	0.645	ok	0.645	0.585-0.705
Freon 142B	1.82	3.44	0.529	ok	0.529	0.469-0.589
Heptane	5.81	4.79	1.213	ok	1.214	1.154-1.274
Hexachlorobutadiene	18.78	10.52	1.785	ok	1.784	1.724-1.844
Hexane	3.50	3.44	1.017	ok	1.017	0.957-1.077
2-Hexanone	8.24	4.79	1.720	ok	1.714	1.654-1.774
Iodomethane	2.49	3.44	0.724	ok	0.724	0.664-0.784
Methyl Tert Butyl Ether	3.03	3.44	0.881	ok	0.877	0.817-0.937
Naphthalene	18.53	10.52	1.761	ok	1.760	1.700-1.820
Nonane	13.99	10.52	1.330	ok	1.330	1.270-1.390
Octane	9.51	4.79	1.985	ok	1.987	1.927-2.047
Styrene	12.66	10.52	1.203	ok	1.203	1.143-1.263
1,1,1-Trichloroethane	4.12	3.44	1.198	ok	1.200	1.140-1.260
1,1,2,2-Tetrachloroethane	12.89	10.52	1.225	ok	1.225	1.165-1.285
1,2,4-Trichlorobenzene	18.48	10.52	1.757	ok	1.755	1.695-1.815

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,3-Trichloropropane	13.17	10.52	1.252	ok	1.252	1.192-1.312
1,2,3-Trimethylbenzene	17.15	10.52	1.630	ok	1.629	1.569-1.689
1,2,4-Trimethylbenzene	16.77	10.52	1.594	ok	1.593	1.533-1.653
1,3,5-Trimethylbenzene	16.29	10.52	1.548	ok	1.548	1.488-1.608
2,2,4-Trimethylpentane	5.48	4.79	1.144	ok	1.146	1.086-1.206
Tertiary Butyl Alcohol	2.56	3.44	0.744	ok	0.740	0.680-0.800
Tetrachloroethylene	9.37	4.79	1.956	ok	1.957	1.897-2.017
Toluene	7.60	4.79	1.587	ok	1.587	1.527-1.647
Trichloroethylene	5.38	4.79	1.123	ok	1.125	1.065-1.185
Trichlorofluoromethane	2.31	3.44	0.672	ok	0.672	0.612-0.732
m,p-Xylene	11.91	10.52	1.132	ok	1.134	1.074-1.194
o-Xylene	12.88	10.52	1.224	ok	1.224	1.164-1.284
TVHC As Equiv Pentane	2.42	10.52	0.230	ok	0.230	0.170-0.290

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.44	ok	3.44	3.11-3.77	51036	ok	47113	28268-65958
1,4-Difluorobenzene	4.79	ok	4.79	4.46-5.12	266544	ok	243463	146078-340848
Chlorobenzene-D5	10.52	ok	10.53	10.20-10.86	238139	ok	223122	133873-312371

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.26	3.44	0.657	ok	0.655	0.595-0.715
Acrolein	2.21	3.44	0.642	ok	0.642	0.582-0.702
Acrylonitrile	2.40	3.44	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.17	3.44	0.631	ok	0.629	0.569-0.689
1,3-Butadiene	1.94	3.44	0.564	ok	0.562	0.502-0.622
Benzene	4.45	3.44	1.294	ok	1.294	1.234-1.354
Bromobenzene	14.28	10.52	1.357	ok	1.357	1.297-1.417
Bromodichloromethane	5.33	4.79	1.113	ok	1.113	1.053-1.173
Bromoform	11.74	10.52	1.116	ok	1.116	1.056-1.176
Bromomethane	2.01	3.44	0.584	ok	0.585	0.525-0.645
Bromoethene	2.17	3.44	0.631	ok	0.631	0.571-0.691
n-Butane	1.95	3.44	0.567	ok	0.567	0.507-0.627
Benzyl Chloride	16.84	10.52	1.601	ok	1.601	1.541-1.661
n-Butylbenzene	17.57	10.52	1.670	ok	1.669	1.609-1.729
sec-Butylbenzene	17.04	10.52	1.620	ok	1.619	1.559-1.679
tert-Butylbenzene	16.76	10.52	1.593	ok	1.592	1.532-1.652
Carbon disulfide	2.65	3.44	0.770	ok	0.770	0.710-0.830
Chlorobenzene	10.60	10.52	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.44	0.509	ok	0.509	0.449-0.569
Chloroethane	2.07	3.44	0.602	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Chloroform	3.52	3.44	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.44	0.532	ok	0.532	0.472-0.592
3-Chloropropene	2.59	3.44	0.753	ok	0.755	0.695-0.815
2-Chlorotoluene	15.41	10.52	1.465	ok	1.465	1.405-1.525
Carbon tetrachloride	4.57	3.44	1.328	ok	1.328	1.268-1.388
Cyclohexane	4.67	4.79	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.98	3.44	0.866	ok	0.864	0.804-0.924
1,1-Dichloroethylene	2.52	3.44	0.733	ok	0.730	0.670-0.790
1,2-Dibromoethane (EDB)	8.51	4.79	1.777	ok	1.776	1.716-1.836
1,2-Dichloroethane	3.96	3.44	1.151	ok	1.149	1.089-1.209
1,2-Dichloropropane	5.15	4.79	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.66	4.79	1.599	ok	1.600	1.540-1.660
1,4-Dioxane	5.53	4.79	1.154	ok	1.136	1.076-1.196
Dichlorodifluoromethane	1.78	3.44	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	2.09	3.44	0.608	ok	0.608	0.548-0.668
Dibromochloromethane	8.15	4.79	1.701	ok	1.702	1.642-1.762
Dibromomethane	5.10	4.79	1.065	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.44	0.840	ok	0.840	0.780-0.900

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.36	3.44	0.977	ok	0.977	0.917-1.037
cis-1,3-Dichloropropene	6.36	4.79	1.328	ok	1.328	1.268-1.388
m-Dichlorobenzene	16.82	10.52	1.599	ok	1.598	1.538-1.658
o-Dichlorobenzene	17.20	10.52	1.635	ok	1.635	1.575-1.695
p-Dichlorobenzene	16.91	10.52	1.607	ok	1.607	1.547-1.667
trans-1,3-Dichloropropene	7.06	4.79	1.474	ok	1.474	1.414-1.534
Di-Isopropyl ether	3.52	3.44	1.023	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.93	4.79	1.029	ok	1.031	0.971-1.091
2,4-Dimethylpentane	4.04	3.44	1.174	ok	1.175	1.115-1.235
Ethylbenzene	11.50	10.52	1.093	ok	1.093	1.033-1.153
Ethyl Acetate	3.52	3.44	1.023	ok	1.021	0.961-1.081
Ethyl Acrylate	5.29	4.79	1.104	ok	1.102	1.042-1.162
4-Ethyltoluene	16.14	10.52	1.534	ok	1.533	1.473-1.593
Freon 113	2.65	3.44	0.770	ok	0.770	0.710-0.830
Freon 114	1.86	3.44	0.541	ok	0.541	0.481-0.601
Freon 123	2.22	3.44	0.645	ok	0.645	0.585-0.705
Freon 123A	2.24	3.44	0.651	ok	0.651	0.591-0.711
Freon 142B	1.82	3.44	0.529	ok	0.529	0.469-0.589
Freon 152A	1.74	3.44	0.506	ok	0.506	0.446-0.566
Heptane	5.81	4.79	1.213	ok	1.214	1.154-1.274
Hexachlorobutadiene	18.78	10.52	1.785	ok	1.784	1.724-1.844
Hexachloroethane	17.74	10.52	1.686	ok	1.686	1.626-1.746
Hexane	3.50	3.44	1.017	ok	1.017	0.957-1.077
2-Hexanone	8.25	4.79	1.722	ok	1.714	1.654-1.774
Iodomethane	2.49	3.44	0.724	ok	0.724	0.664-0.784
Isopropylbenzene	14.41	10.52	1.370	ok	1.369	1.309-1.429
Isopropyl Alcohol	2.34	3.44	0.680	ok	0.678	0.618-0.738
p-Isopropyltoluene	17.22	10.52	1.637	ok	1.636	1.576-1.696
Methylene chloride	2.55	3.44	0.741	ok	0.741	0.681-0.801
Methyl ethyl ketone	3.18	3.44	0.924	ok	0.918	0.858-0.978
Methyl Isobutyl Ketone	6.51	4.79	1.359	ok	1.354	1.294-1.414
Methyl Tert Butyl Ether	3.03	3.44	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.72	4.79	1.194	ok	1.193	1.133-1.253
Naphthalene	18.53	10.52	1.761	ok	1.760	1.700-1.820
Nonane	14.00	10.52	1.331	ok	1.330	1.270-1.390
Octane	9.52	4.79	1.987	ok	1.987	1.927-2.047
Pentane	2.42	3.44	0.703	ok	0.705	0.645-0.765
n-Propylbenzene	15.76	10.52	1.498	ok	1.498	1.438-1.558
Propylene	1.76	3.44	0.512	ok	0.512	0.452-0.572

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.65	10.52	1.202	ok	1.203	1.143-1.263
1,1,1-Trichloroethane	4.13	3.44	1.201	ok	1.200	1.140-1.260
1,1,1,2-Tetrachloroethane	10.61	10.52	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.89	10.52	1.225	ok	1.225	1.165-1.285
1,1,2-Trichloroethane	7.22	4.79	1.507	ok	1.509	1.449-1.569
1,2,4-Trichlorobenzene	18.48	10.52	1.757	ok	1.755	1.695-1.815
1,2,3-Trichloropropane	13.18	10.52	1.253	ok	1.252	1.192-1.312
1,2,3-Trimethylbenzene	17.15	10.52	1.630	ok	1.629	1.569-1.689
1,2,4-Trimethylbenzene	16.77	10.52	1.594	ok	1.593	1.533-1.653
1,3,5-Trimethylbenzene	16.30	10.52	1.549	ok	1.548	1.488-1.608
2,2,4-Trimethylpentane	5.49	4.79	1.146	ok	1.146	1.086-1.206
Tertiary Butyl Alcohol	2.56	3.44	0.744	ok	0.740	0.680-0.800
Tetrachloroethylene	9.37	4.79	1.956	ok	1.957	1.897-2.017
Tetrahydrofuran	3.78	3.44	1.099	ok	1.092	1.032-1.152
Toluene	7.60	4.79	1.587	ok	1.587	1.527-1.647
Trichloroethylene	5.38	4.79	1.123	ok	1.125	1.065-1.185
Trichlorofluoromethane	2.31	3.44	0.672	ok	0.672	0.612-0.732
Vinyl chloride	1.89	3.44	0.549	ok	0.549	0.489-0.609
Vinyl Acetate	3.06	3.44	0.890	ok	0.887	0.827-0.947
m,p-Xylene	11.94	10.52	1.135	ok	1.134	1.074-1.194
o-Xylene	12.88	10.52	1.224	ok	1.224	1.164-1.284
TVHC As Equiv Pentane	2.42	10.52	0.230	ok	0.230	0.170-0.290

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.44	ok	3.44	3.11-3.77	50830	ok	47113	28268-65958
1,4-Difluorobenzene	4.79	ok	4.79	4.46-5.12	266189	ok	243463	146078-340848
Chlorobenzene-D5	10.52	ok	10.53	10.20-10.86	239149	ok	223122	133873-312371

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.26	3.44	0.657	ok	0.655	0.595-0.715
Acrolein	2.21	3.44	0.642	ok	0.642	0.582-0.702
Acrylonitrile	2.40	3.44	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.17	3.44	0.631	ok	0.629	0.569-0.689
1,3-Butadiene	1.93	3.44	0.561	ok	0.562	0.502-0.622
Benzene	4.45	3.44	1.294	ok	1.294	1.234-1.354
Bromobenzene	14.28	10.52	1.357	ok	1.357	1.297-1.417
Bromodichloromethane	5.33	4.79	1.113	ok	1.113	1.053-1.173
Bromoform	11.75	10.52	1.117	ok	1.116	1.056-1.176
Bromomethane	2.01	3.44	0.584	ok	0.585	0.525-0.645
Bromoethene	2.18	3.44	0.634	ok	0.631	0.571-0.691
n-Butane	1.95	3.44	0.567	ok	0.567	0.507-0.627
Benzyl Chloride	16.85	10.52	1.602	ok	1.601	1.541-1.661
n-Butylbenzene	17.57	10.52	1.670	ok	1.669	1.609-1.729
sec-Butylbenzene	17.04	10.52	1.620	ok	1.619	1.559-1.679
tert-Butylbenzene	16.76	10.52	1.593	ok	1.592	1.532-1.652
Carbon disulfide	2.65	3.44	0.770	ok	0.770	0.710-0.830
Chlorobenzene	10.60	10.52	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.44	0.509	ok	0.509	0.449-0.569
Chloroethane	2.06	3.44	0.599	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.77	3.44	0.515	ok	0.512	0.452-0.572
Chloroform	3.52	3.44	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.44	0.532	ok	0.532	0.472-0.592
3-Chloropropene	2.59	3.44	0.753	ok	0.755	0.695-0.815
2-Chlorotoluene	15.42	10.52	1.466	ok	1.465	1.405-1.525
Carbon tetrachloride	4.57	3.44	1.328	ok	1.328	1.268-1.388
Cyclohexane	4.67	4.79	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.97	3.44	0.863	ok	0.864	0.804-0.924
1,1-Dichloroethylene	2.51	3.44	0.730	ok	0.730	0.670-0.790
1,2-Dibromoethane (EDB)	8.51	4.79	1.777	ok	1.776	1.716-1.836
1,2-Dichloroethane	3.95	3.44	1.148	ok	1.149	1.089-1.209
1,2-Dichloropropane	5.15	4.79	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.66	4.79	1.599	ok	1.600	1.540-1.660
1,4-Dioxane	5.51	4.79	1.150	ok	1.136	1.076-1.196
Dichlorodifluoromethane	1.78	3.44	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	2.09	3.44	0.608	ok	0.608	0.548-0.668
Dibromochloromethane	8.15	4.79	1.701	ok	1.702	1.642-1.762
Dibromomethane	5.10	4.79	1.065	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.44	0.840	ok	0.840	0.780-0.900

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.36	3.44	0.977	ok	0.977	0.917-1.037
cis-1,3-Dichloropropene	6.36	4.79	1.328	ok	1.328	1.268-1.388
m-Dichlorobenzene	16.82	10.52	1.599	ok	1.598	1.538-1.658
o-Dichlorobenzene	17.20	10.52	1.635	ok	1.635	1.575-1.695
p-Dichlorobenzene	16.91	10.52	1.607	ok	1.607	1.547-1.667
trans-1,3-Dichloropropene	7.06	4.79	1.474	ok	1.474	1.414-1.534
Di-Isopropyl ether	3.52	3.44	1.023	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.93	4.79	1.029	ok	1.031	0.971-1.091
2,4-Dimethylpentane	4.04	3.44	1.174	ok	1.175	1.115-1.235
Ethanol	2.11	3.44	0.613	ok	0.611	0.551-0.671
Ethylbenzene	11.50	10.52	1.093	ok	1.093	1.033-1.153
Ethyl Acetate	3.52	3.44	1.023	ok	1.021	0.961-1.081
Ethyl Acrylate	5.29	4.79	1.104	ok	1.102	1.042-1.162
4-Ethyltoluene	16.13	10.52	1.533	ok	1.533	1.473-1.593
Freon 113	2.65	3.44	0.770	ok	0.770	0.710-0.830
Freon 114	1.86	3.44	0.541	ok	0.541	0.481-0.601
Freon 123	2.22	3.44	0.645	ok	0.645	0.585-0.705
Freon 123A	2.24	3.44	0.651	ok	0.651	0.591-0.711
Freon 142B	1.82	3.44	0.529	ok	0.529	0.469-0.589
Freon 152A	1.74	3.44	0.506	ok	0.506	0.446-0.566
Heptane	5.81	4.79	1.213	ok	1.214	1.154-1.274
Hexachlorobutadiene	18.78	10.52	1.785	ok	1.784	1.724-1.844
Hexachloroethane	17.74	10.52	1.686	ok	1.686	1.626-1.746
Hexane	3.50	3.44	1.017	ok	1.017	0.957-1.077
2-Hexanone	8.23	4.79	1.718	ok	1.714	1.654-1.774
Iodomethane	2.49	3.44	0.724	ok	0.724	0.664-0.784
Isopropylbenzene	14.39	10.52	1.368	ok	1.369	1.309-1.429
Isopropyl Alcohol	2.34	3.44	0.680	ok	0.678	0.618-0.738
p-Isopropyltoluene	17.22	10.52	1.637	ok	1.636	1.576-1.696
Methylene chloride	2.55	3.44	0.741	ok	0.741	0.681-0.801
Methyl ethyl ketone	3.17	3.44	0.922	ok	0.918	0.858-0.978
Methyl Isobutyl Ketone	6.51	4.79	1.359	ok	1.354	1.294-1.414
Methyl Tert Butyl Ether	3.03	3.44	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.73	4.79	1.196	ok	1.193	1.133-1.253
Naphthalene	18.52	10.52	1.760	ok	1.760	1.700-1.820
Nonane	14.00	10.52	1.331	ok	1.330	1.270-1.390
Octane	9.52	4.79	1.987	ok	1.987	1.927-2.047
Pentane	2.42	3.44	0.703	ok	0.705	0.645-0.765
n-Propylbenzene	15.76	10.52	1.498	ok	1.498	1.438-1.558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	Reporting this level
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Propylene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Styrene	12.67	10.52	1.204	ok	1.203	1.143-1.263
1,1,1-Trichloroethane	4.12	3.44	1.198	ok	1.200	1.140-1.260
1,1,1,2-Tetrachloroethane	10.61	10.52	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.88	10.52	1.224	ok	1.225	1.165-1.285
1,1,2-Trichloroethane	7.23	4.79	1.509	ok	1.509	1.449-1.569
1,2,4-Trichlorobenzene	18.47	10.52	1.756	ok	1.755	1.695-1.815
1,2,3-Trichloropropane	13.18	10.52	1.253	ok	1.252	1.192-1.312
1,2,3-Trimethylbenzene	17.15	10.52	1.630	ok	1.629	1.569-1.689
1,2,4-Trimethylbenzene	16.76	10.52	1.593	ok	1.593	1.533-1.653
1,3,5-Trimethylbenzene	16.29	10.52	1.548	ok	1.548	1.488-1.608
2,2,4-Trimethylpentane	5.49	4.79	1.146	ok	1.146	1.086-1.206
Tertiary Butyl Alcohol	2.56	3.44	0.744	ok	0.740	0.680-0.800
Tetrachloroethylene	9.38	4.79	1.958	ok	1.957	1.897-2.017
Tetrahydrofuran	3.78	3.44	1.099	ok	1.092	1.032-1.152
Toluene	7.60	4.79	1.587	ok	1.587	1.527-1.647
Trichloroethylene	5.39	4.79	1.125	ok	1.125	1.065-1.185
Trichlorofluoromethane	2.31	3.44	0.672	ok	0.672	0.612-0.732
Vinyl chloride	1.89	3.44	0.549	ok	0.549	0.489-0.609
Vinyl Acetate	3.06	3.44	0.890	ok	0.887	0.827-0.947
m,p-Xylene	11.93	10.52	1.134	ok	1.134	1.074-1.194
o-Xylene	12.87	10.52	1.223	ok	1.224	1.164-1.284
TVHC As Equiv Pentane	2.42	10.52	0.230	ok	0.230	0.170-0.290

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.44	ok	3.44	3.11-3.77	48826	ok	47113	28268-65958
1,4-Difluorobenzene	4.79	ok	4.79	4.46-5.12	258539	ok	243463	146078-340848
Chlorobenzene-D5	10.52	ok	10.53	10.20-10.86	232814	ok	223122	133873-312371

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.26	3.44	0.657	ok	0.655	0.595-0.715
Acrolein	2.21	3.44	0.642	ok	0.642	0.582-0.702
Acrylonitrile	2.40	3.44	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.17	3.44	0.631	ok	0.629	0.569-0.689
1,3-Butadiene	1.93	3.44	0.561	ok	0.562	0.502-0.622
Benzene	4.45	3.44	1.294	ok	1.294	1.234-1.354
Bromobenzene	14.28	10.53	1.356	ok	1.357	1.297-1.417
Bromodichloromethane	5.33	4.79	1.113	ok	1.113	1.053-1.173
Bromoform	11.74	10.53	1.115	ok	1.116	1.056-1.176
Bromomethane	2.01	3.44	0.584	ok	0.585	0.525-0.645
Bromoethene	2.17	3.44	0.631	ok	0.631	0.571-0.691
n-Butane	1.95	3.44	0.567	ok	0.567	0.507-0.627
Benzyl Chloride	16.85	10.53	1.600	ok	1.601	1.541-1.661
n-Butylbenzene	17.56	10.53	1.668	ok	1.669	1.609-1.729
sec-Butylbenzene	17.04	10.53	1.618	ok	1.619	1.559-1.679
tert-Butylbenzene	16.76	10.53	1.592	ok	1.592	1.532-1.652
Carbon disulfide	2.65	3.44	0.770	ok	0.770	0.710-0.830
Chlorobenzene	10.60	10.53	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.44	0.509	ok	0.509	0.449-0.569
Chloroethane	2.07	3.44	0.602	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Chloroform	3.52	3.44	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.44	0.532	ok	0.532	0.472-0.592
3-Chloropropene	2.60	3.44	0.756	ok	0.755	0.695-0.815
2-Chlorotoluene	15.42	10.53	1.464	ok	1.465	1.405-1.525
Carbon tetrachloride	4.57	3.44	1.328	ok	1.328	1.268-1.388
Cyclohexane	4.67	4.79	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.97	3.44	0.863	ok	0.864	0.804-0.924
1,1-Dichloroethylene	2.51	3.44	0.730	ok	0.730	0.670-0.790
1,2-Dibromoethane (EDB)	8.50	4.79	1.775	ok	1.776	1.716-1.836
1,2-Dichloroethane	3.95	3.44	1.148	ok	1.149	1.089-1.209
1,2-Dichloropropane	5.14	4.79	1.073	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.67	4.79	1.601	ok	1.600	1.540-1.660
1,4-Dioxane	5.48	4.79	1.144	ok	1.136	1.076-1.196
Dichlorodifluoromethane	1.78	3.44	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	2.09	3.44	0.608	ok	0.608	0.548-0.668
Dibromochloromethane	8.15	4.79	1.701	ok	1.702	1.642-1.762
Dibromomethane	5.11	4.79	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.44	0.840	ok	0.840	0.780-0.900

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.36	3.44	0.977	ok	0.977	0.917-1.037
cis-1,3-Dichloropropene	6.36	4.79	1.328	ok	1.328	1.268-1.388
m-Dichlorobenzene	16.82	10.53	1.597	ok	1.598	1.538-1.658
o-Dichlorobenzene	17.20	10.53	1.633	ok	1.635	1.575-1.695
p-Dichlorobenzene	16.91	10.53	1.606	ok	1.607	1.547-1.667
trans-1,3-Dichloropropene	7.06	4.79	1.474	ok	1.474	1.414-1.534
Di-Isopropyl ether	3.51	3.44	1.020	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.94	4.79	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	4.04	3.44	1.174	ok	1.175	1.115-1.235
Ethanol	2.10	3.44	0.610	ok	0.611	0.551-0.671
Ethylbenzene	11.50	10.53	1.092	ok	1.093	1.033-1.153
Ethyl Acetate	3.52	3.44	1.023	ok	1.021	0.961-1.081
Ethyl Acrylate	5.28	4.79	1.102	ok	1.102	1.042-1.162
4-Ethyltoluene	16.13	10.53	1.532	ok	1.533	1.473-1.593
Freon 113	2.65	3.44	0.770	ok	0.770	0.710-0.830
Freon 114	1.86	3.44	0.541	ok	0.541	0.481-0.601
Freon 123	2.22	3.44	0.645	ok	0.645	0.585-0.705
Freon 123A	2.24	3.44	0.651	ok	0.651	0.591-0.711
Freon 142B	1.82	3.44	0.529	ok	0.529	0.469-0.589
Freon 152A	1.74	3.44	0.506	ok	0.506	0.446-0.566
Heptane	5.82	4.79	1.215	ok	1.214	1.154-1.274
Hexachlorobutadiene	18.79	10.53	1.784	ok	1.784	1.724-1.844
Hexachloroethane	17.74	10.53	1.685	ok	1.686	1.626-1.746
Hexane	3.50	3.44	1.017	ok	1.017	0.957-1.077
2-Hexanone	8.23	4.79	1.718	ok	1.714	1.654-1.774
Iodomethane	2.49	3.44	0.724	ok	0.724	0.664-0.784
Isopropylbenzene	14.40	10.53	1.368	ok	1.369	1.309-1.429
Isopropyl Alcohol	2.34	3.44	0.680	ok	0.678	0.618-0.738
p-Isopropyltoluene	17.22	10.53	1.635	ok	1.636	1.576-1.696
Methylene chloride	2.55	3.44	0.741	ok	0.741	0.681-0.801
Methyl ethyl ketone	3.17	3.44	0.922	ok	0.918	0.858-0.978
Methyl Isobutyl Ketone	6.51	4.79	1.359	ok	1.354	1.294-1.414
Methyl Tert Butyl Ether	3.02	3.44	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.71	4.79	1.192	ok	1.193	1.133-1.253
Naphthalene	18.53	10.53	1.760	ok	1.760	1.700-1.820
Nonane	14.00	10.53	1.330	ok	1.330	1.270-1.390
Octane	9.52	4.79	1.987	ok	1.987	1.927-2.047
Pentane	2.42	3.44	0.703	ok	0.705	0.645-0.765
n-Propylbenzene	15.76	10.53	1.497	ok	1.498	1.438-1.558

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W138-IC0138	7W03346.D	09/21/23 20:58	TCH	5	GCMS7W	TO-15	
V7W138-ICC0138	7W03347.D	09/21/23 21:33	TCH	10	GCMS7W	TO-15	
V7W138-IC0138	7W03348.D	09/21/23 22:09	TCH	20	GCMS7W	TO-15	
V7W138-IC0138	7W03349.D	09/21/23 22:49	TCH	40	GCMS7W	TO-15	
V7W138-IC0138	7W03350.D	09/21/23 23:30	TCH	50	GCMS7W	TO-15	
V7W138-IC0138	7W03357.D	09/22/23 10:39	TCH	0.04	GCMS7W	TO-15	
V7W138-IC0138	7W03358.D	09/22/23 11:13	TCH	0.10	GCMS7W	TO-15	
V7W138-IC0138	7W03359.D	09/22/23 11:47	TCH	0.20	GCMS7W	TO-15	
V7W138-IC0138	7W03360.D	09/22/23 12:24	TCH	0.50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.44	0.512	ok	0.512	0.452-0.572
Styrene	12.66	10.53	1.202	ok	1.203	1.143-1.263
1,1,1-Trichloroethane	4.12	3.44	1.198	ok	1.200	1.140-1.260
1,1,1,2-Tetrachloroethane	10.61	10.53	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.89	10.53	1.224	ok	1.225	1.165-1.285
1,1,2-Trichloroethane	7.22	4.79	1.507	ok	1.509	1.449-1.569
1,2,4-Trichlorobenzene	18.48	10.53	1.755	ok	1.755	1.695-1.815
1,2,3-Trichloropropane	13.17	10.53	1.251	ok	1.252	1.192-1.312
1,2,3-Trimethylbenzene	17.15	10.53	1.629	ok	1.629	1.569-1.689
1,2,4-Trimethylbenzene	16.76	10.53	1.592	ok	1.593	1.533-1.653
1,3,5-Trimethylbenzene	16.29	10.53	1.547	ok	1.548	1.488-1.608
2,2,4-Trimethylpentane	5.48	4.79	1.144	ok	1.146	1.086-1.206
Tertiary Butyl Alcohol	2.56	3.44	0.744	ok	0.740	0.680-0.800
Tetrachloroethylene	9.37	4.79	1.956	ok	1.957	1.897-2.017
Tetrahydrofuran	3.77	3.44	1.096	ok	1.092	1.032-1.152
Toluene	7.60	4.79	1.587	ok	1.587	1.527-1.647
Trichloroethylene	5.39	4.79	1.125	ok	1.125	1.065-1.185
Trichlorofluoromethane	2.31	3.44	0.672	ok	0.672	0.612-0.732
Vinyl chloride	1.89	3.44	0.549	ok	0.549	0.489-0.609
Vinyl Acetate	3.05	3.44	0.887	ok	0.887	0.827-0.947
m,p-Xylene	11.93	10.53	1.133	ok	1.134	1.074-1.194
o-Xylene	12.88	10.53	1.223	ok	1.224	1.164-1.284
TVHC As Equiv Pentane	2.42	10.53	0.230	ok	0.230	0.170-0.290

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.44	ok	3.44	3.11-3.77	48285	ok	47113	28268-65958
1,4-Difluorobenzene	4.79	ok	4.79	4.46-5.12	250087	ok	243463	146078-340848
Chlorobenzene-D5	10.53	ok	10.53	10.20-10.86	225774	ok	223122	133873-312371

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.52	3.48	1.299	ok	1.299	1.239-1.359
Bromobenzene	14.50	10.72	1.353	ok	1.353	1.293-1.413
Bromodichloromethane	5.43	4.87	1.115	ok	1.115	1.055-1.175
Chlorobenzene	10.80	10.72	1.007	ok	1.008	0.948-1.068
Chloroform	3.56	3.48	1.023	ok	1.023	0.963-1.083
Carbon tetrachloride	4.64	3.48	1.333	ok	1.334	1.274-1.394
Cyclohexane	4.75	4.87	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.99	3.48	0.859	ok	0.859	0.799-0.919
1,2-Dibromoethane (EDB)	8.68	4.87	1.782	ok	1.781	1.721-1.841
1,2-Dichloroethane	4.00	3.48	1.149	ok	1.151	1.091-1.211
1,3-Dichloropropane	7.81	4.87	1.604	ok	1.605	1.545-1.665
Dichlorodifluoromethane	1.78	3.48	0.511	ok	0.511	0.451-0.571
Dibromomethane	5.20	4.87	1.068	ok	1.068	1.008-1.128
cis-1,2-Dichloroethylene	3.39	3.48	0.974	ok	0.974	0.914-1.034
m-Dichlorobenzene	16.88	10.72	1.575	ok	1.575	1.515-1.635
o-Dichlorobenzene	17.23	10.72	1.607	ok	1.607	1.547-1.667
p-Dichlorobenzene	16.96	10.72	1.582	ok	1.582	1.522-1.642
2,4-Dimethylpentane	4.10	3.48	1.178	ok	1.178	1.118-1.238
Ethylbenzene	11.70	10.72	1.091	ok	1.092	1.032-1.152
Ethyl Acrylate	5.39	4.87	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	16.27	10.72	1.518	ok	1.517	1.457-1.577
Freon 114	1.86	3.48	0.534	ok	0.534	0.474-0.594
Freon 142B	1.83	3.48	0.526	ok	0.524	0.464-0.584
Freon 152A	1.74	3.48	0.500	ok	0.500	0.440-0.560
Heptane	5.93	4.87	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.68	10.72	1.743	ok	1.742	1.682-1.802
Hexane	3.54	3.48	1.017	ok	1.015	0.955-1.075
Iodomethane	2.48	3.48	0.713	ok	0.713	0.653-0.773
Methyl Tert Butyl Ether	3.04	3.48	0.874	ok	0.872	0.812-0.932
Naphthalene	18.45	10.72	1.721	ok	1.720	1.660-1.780
Nonane	14.21	10.72	1.326	ok	1.327	1.267-1.387
Octane	9.71	4.87	1.994	ok	1.993	1.933-2.053
Styrene	12.87	10.72	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.19	3.48	1.204	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	13.10	10.72	1.222	ok	1.222	1.162-1.282
1,2,4-Trichlorobenzene	18.41	10.72	1.717	ok	1.716	1.656-1.776
1,2,3-Trichloropropane	13.40	10.72	1.250	ok	1.249	1.189-1.309
1,2,3-Trimethylbenzene	17.18	10.72	1.603	ok	1.603	1.543-1.663
1,2,4-Trimethylbenzene	16.83	10.72	1.570	ok	1.570	1.510-1.630

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,3,5-Trimethylbenzene	16.40	10.72	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.59	4.87	1.148	ok	1.148	1.088-1.208
Tetrachloroethylene	9.57	4.87	1.965	ok	1.963	1.903-2.023
Toluene	7.75	4.87	1.591	ok	1.593	1.533-1.653
Trichloroethylene	5.50	4.87	1.129	ok	1.128	1.068-1.188
Trichlorofluoromethane	2.31	3.48	0.664	ok	0.663	0.603-0.723
m,p-Xylene	12.15	10.72	1.133	ok	1.132	1.072-1.192
o-Xylene	13.10	10.72	1.222	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.43	10.72	0.227	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.48	ok	3.48	3.15-3.81	160252	ok	157729	94637-220821
1,4-Difluorobenzene	4.87	ok	4.87	4.54-5.20	810611	ok	786581	471949-1101213
Chlorobenzene-D5	10.72	ok	10.72	10.39-11.05	752498	ok	746063	447638-1044488

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	2.20	3.48	0.632	ok	0.632	0.572-0.692
Acrylonitrile	2.39	3.48	0.687	ok	0.687	0.627-0.747
Acetonitrile	2.16	3.48	0.621	ok	0.621	0.561-0.681
1,3-Butadiene	1.94	3.48	0.557	ok	0.556	0.496-0.616
Benzene	4.52	3.48	1.299	ok	1.299	1.239-1.359
Bromobenzene	14.50	10.72	1.353	ok	1.353	1.293-1.413
Bromodichloromethane	5.43	4.87	1.115	ok	1.115	1.055-1.175
Bromoform	11.95	10.72	1.115	ok	1.115	1.055-1.175
Bromomethane	2.01	3.48	0.578	ok	0.578	0.518-0.638
Bromoethene	2.17	3.48	0.624	ok	0.624	0.564-0.684
n-Butane	1.95	3.48	0.560	ok	0.560	0.500-0.620
n-Butylbenzene	17.57	10.72	1.639	ok	1.639	1.579-1.699
sec-Butylbenzene	17.08	10.72	1.593	ok	1.593	1.533-1.653
tert-Butylbenzene	16.82	10.72	1.569	ok	1.569	1.509-1.629
Carbon disulfide	2.65	3.48	0.761	ok	0.761	0.701-0.821
Chlorobenzene	10.80	10.72	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.48	0.503	ok	0.503	0.443-0.563
Chloroethane	2.06	3.48	0.592	ok	0.592	0.532-0.652
Chlorotrifluoroethene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Chloroform	3.56	3.48	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.48	0.526	ok	0.526	0.466-0.586
3-Chloropropene	2.59	3.48	0.744	ok	0.744	0.684-0.804
2-Chlorotoluene	15.65	10.72	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.65	3.48	1.336	ok	1.334	1.274-1.394
Cyclohexane	4.75	4.87	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.99	3.48	0.859	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.51	3.48	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane (EDB)	8.67	4.87	1.780	ok	1.781	1.721-1.841
1,2-Dichloroethane	4.00	3.48	1.149	ok	1.151	1.091-1.211
1,2-Dichloropropane	5.24	4.87	1.076	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.81	4.87	1.604	ok	1.605	1.545-1.665
1,4-Dioxane	5.59	4.87	1.148	ok	1.135	1.075-1.195
Dichlorodifluoromethane	1.78	3.48	0.511	ok	0.511	0.451-0.571
Dichlorofluoromethane	2.09	3.48	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.31	4.87	1.706	ok	1.708	1.648-1.768
Dibromomethane	5.20	4.87	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.91	3.48	0.836	ok	0.834	0.774-0.894
cis-1,2-Dichloroethylene	3.40	3.48	0.977	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.49	4.87	1.333	ok	1.332	1.272-1.392

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.88	10.72	1.575	ok	1.575	1.515-1.635
o-Dichlorobenzene	17.24	10.72	1.608	ok	1.607	1.547-1.667
p-Dichlorobenzene	16.96	10.72	1.582	ok	1.582	1.522-1.642
trans-1,3-Dichloropropene	7.20	4.87	1.478	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.56	3.48	1.023	ok	1.019	0.959-1.079
2,3-Dimethylpentane	5.03	4.87	1.033	ok	1.033	0.973-1.093
2,4-Dimethylpentane	4.10	3.48	1.178	ok	1.178	1.118-1.238
Ethylbenzene	11.70	10.72	1.091	ok	1.092	1.032-1.152
Ethyl Acetate	3.56	3.48	1.023	ok	1.020	0.960-1.080
Ethyl Acrylate	5.39	4.87	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	16.26	10.72	1.517	ok	1.517	1.457-1.577
Freon 113	2.65	3.48	0.761	ok	0.761	0.701-0.821
Freon 114	1.86	3.48	0.534	ok	0.534	0.474-0.594
Freon 123	2.22	3.48	0.638	ok	0.638	0.578-0.698
Freon 123A	2.24	3.48	0.644	ok	0.642	0.582-0.702
Freon 142B	1.82	3.48	0.523	ok	0.524	0.464-0.584
Freon 152A	1.74	3.48	0.500	ok	0.500	0.440-0.560
Heptane	5.93	4.87	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.68	10.72	1.743	ok	1.742	1.682-1.802
Hexachloroethane	17.73	10.72	1.654	ok	1.654	1.594-1.714
Hexane	3.54	3.48	1.017	ok	1.015	0.955-1.075
2-Hexanone	8.39	4.87	1.723	ok	1.717	1.657-1.777
Iodomethane	2.48	3.48	0.713	ok	0.713	0.653-0.773
Isopropylbenzene	14.63	10.72	1.365	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.33	3.48	0.670	ok	0.668	0.608-0.728
p-Isopropyltoluene	17.25	10.72	1.609	ok	1.608	1.548-1.668
Methylene chloride	2.55	3.48	0.733	ok	0.733	0.673-0.793
Methyl ethyl ketone	3.19	3.48	0.917	ok	0.913	0.853-0.973
Methyl Isobutyl Ketone	6.63	4.87	1.361	ok	1.357	1.297-1.417
Methyl Tert Butyl Ether	3.04	3.48	0.874	ok	0.872	0.812-0.932
Methylmethacrylate	5.84	4.87	1.199	ok	1.196	1.136-1.256
Naphthalene	18.45	10.72	1.721	ok	1.720	1.660-1.780
Nonane	14.22	10.72	1.326	ok	1.327	1.267-1.387
Octane	9.70	4.87	1.992	ok	1.993	1.933-2.053
Pentane	2.42	3.48	0.695	ok	0.695	0.635-0.755
n-Propylbenzene	15.97	10.72	1.490	ok	1.490	1.430-1.550
Propylene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Styrene	12.87	10.72	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.19	3.48	1.204	ok	1.203	1.143-1.263

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
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Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	10.81	10.72	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.10	10.72	1.222	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.37	4.87	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.41	10.72	1.717	ok	1.716	1.656-1.776
1,2,3-Trichloropropane	13.40	10.72	1.250	ok	1.249	1.189-1.309
1,2,3-Trimethylbenzene	17.18	10.72	1.603	ok	1.603	1.543-1.663
1,2,4-Trimethylbenzene	16.83	10.72	1.570	ok	1.570	1.510-1.630
1,3,5-Trimethylbenzene	16.40	10.72	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.59	4.87	1.148	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.55	3.48	0.733	ok	0.728	0.668-0.788
Tetrachloroethylene	9.55	4.87	1.961	ok	1.963	1.903-2.023
Tetrahydrofuran	3.82	3.48	1.098	ok	1.091	1.031-1.151
Toluene	7.76	4.87	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.49	4.87	1.127	ok	1.128	1.068-1.188
Trichlorofluoromethane	2.31	3.48	0.664	ok	0.663	0.603-0.723
Vinyl chloride	1.89	3.48	0.543	ok	0.543	0.483-0.603
Vinyl Acetate	3.07	3.48	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.15	10.72	1.133	ok	1.132	1.072-1.192
o-Xylene	13.10	10.72	1.222	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.42	10.72	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.48	ok	3.48	3.15-3.81	160254	ok	157729	94637-220821
1,4-Difluorobenzene	4.87	ok	4.87	4.54-5.20	792689	ok	786581	471949-1101213
Chlorobenzene-D5	10.72	ok	10.72	10.39-11.05	753738	ok	746063	447638-1044488

Initial Calibration Retention Time/Internal Standard Area Summary

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V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.25	3.48	0.647	ok	0.644	0.584-0.704
Acrolein	2.20	3.48	0.632	ok	0.632	0.572-0.692
Acrylonitrile	2.39	3.48	0.687	ok	0.687	0.627-0.747
Acetonitrile	2.16	3.48	0.621	ok	0.621	0.561-0.681
1,3-Butadiene	1.93	3.48	0.555	ok	0.556	0.496-0.616
Benzene	4.52	3.48	1.299	ok	1.299	1.239-1.359
Bromobenzene	14.50	10.72	1.353	ok	1.353	1.293-1.413
Bromodichloromethane	5.43	4.87	1.115	ok	1.115	1.055-1.175
Bromoform	11.95	10.72	1.115	ok	1.115	1.055-1.175
Bromomethane	2.01	3.48	0.578	ok	0.578	0.518-0.638
Bromoethene	2.17	3.48	0.624	ok	0.624	0.564-0.684
n-Butane	1.95	3.48	0.560	ok	0.560	0.500-0.620
Benzyl Chloride	16.90	10.72	1.576	ok	1.577	1.517-1.637
n-Butylbenzene	17.57	10.72	1.639	ok	1.639	1.579-1.699
sec-Butylbenzene	17.08	10.72	1.593	ok	1.593	1.533-1.653
tert-Butylbenzene	16.82	10.72	1.569	ok	1.569	1.509-1.629
Carbon disulfide	2.65	3.48	0.761	ok	0.761	0.701-0.821
Chlorobenzene	10.80	10.72	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.48	0.503	ok	0.503	0.443-0.563
Chloroethane	2.06	3.48	0.592	ok	0.592	0.532-0.652
Chlorotrifluoroethene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Chloroform	3.56	3.48	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.48	0.526	ok	0.526	0.466-0.586
3-Chloropropene	2.59	3.48	0.744	ok	0.744	0.684-0.804
2-Chlorotoluene	15.65	10.72	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.64	3.48	1.333	ok	1.334	1.274-1.394
Cyclohexane	4.75	4.87	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.99	3.48	0.859	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.51	3.48	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane (EDB)	8.67	4.87	1.780	ok	1.781	1.721-1.841
1,2-Dichloroethane	4.01	3.48	1.152	ok	1.151	1.091-1.211
1,2-Dichloropropane	5.24	4.87	1.076	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.81	4.87	1.604	ok	1.605	1.545-1.665
1,4-Dioxane	5.57	4.87	1.144	ok	1.135	1.075-1.195
Dichlorodifluoromethane	1.78	3.48	0.511	ok	0.511	0.451-0.571
Dichlorofluoromethane	2.09	3.48	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.31	4.87	1.706	ok	1.708	1.648-1.768
Dibromomethane	5.20	4.87	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.90	3.48	0.833	ok	0.834	0.774-0.894

Initial Calibration Retention Time/Internal Standard Area Summary

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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.39	3.48	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.49	4.87	1.333	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.88	10.72	1.575	ok	1.575	1.515-1.635
o-Dichlorobenzene	17.23	10.72	1.607	ok	1.607	1.547-1.667
p-Dichlorobenzene	16.96	10.72	1.582	ok	1.582	1.522-1.642
trans-1,3-Dichloropropene	7.20	4.87	1.478	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.55	3.48	1.020	ok	1.019	0.959-1.079
2,3-Dimethylpentane	5.02	4.87	1.031	ok	1.033	0.973-1.093
2,4-Dimethylpentane	4.09	3.48	1.175	ok	1.178	1.118-1.238
Ethylbenzene	11.70	10.72	1.091	ok	1.092	1.032-1.152
Ethyl Acetate	3.56	3.48	1.023	ok	1.020	0.960-1.080
Ethyl Acrylate	5.38	4.87	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	16.26	10.72	1.517	ok	1.517	1.457-1.577
Freon 113	2.65	3.48	0.761	ok	0.761	0.701-0.821
Freon 114	1.86	3.48	0.534	ok	0.534	0.474-0.594
Freon 123	2.22	3.48	0.638	ok	0.638	0.578-0.698
Freon 123A	2.23	3.48	0.641	ok	0.642	0.582-0.702
Freon 142B	1.82	3.48	0.523	ok	0.524	0.464-0.584
Freon 152A	1.74	3.48	0.500	ok	0.500	0.440-0.560
Heptane	5.93	4.87	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.68	10.72	1.743	ok	1.742	1.682-1.802
Hexachloroethane	17.73	10.72	1.654	ok	1.654	1.594-1.714
Hexane	3.53	3.48	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.39	4.87	1.723	ok	1.717	1.657-1.777
Iodomethane	2.48	3.48	0.713	ok	0.713	0.653-0.773
Isopropylbenzene	14.63	10.72	1.365	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.33	3.48	0.670	ok	0.668	0.608-0.728
p-Isopropyltoluene	17.24	10.72	1.608	ok	1.608	1.548-1.668
Methylene chloride	2.55	3.48	0.733	ok	0.733	0.673-0.793
Methyl ethyl ketone	3.19	3.48	0.917	ok	0.913	0.853-0.973
Methyl Isobutyl Ketone	6.63	4.87	1.361	ok	1.357	1.297-1.417
Methyl Tert Butyl Ether	3.03	3.48	0.871	ok	0.872	0.812-0.932
Methylmethacrylate	5.82	4.87	1.195	ok	1.196	1.136-1.256
Naphthalene	18.44	10.72	1.720	ok	1.720	1.660-1.780
Nonane	14.21	10.72	1.326	ok	1.327	1.267-1.387
Octane	9.70	4.87	1.992	ok	1.993	1.933-2.053
Pentane	2.42	3.48	0.695	ok	0.695	0.635-0.755
n-Propylbenzene	15.98	10.72	1.491	ok	1.490	1.430-1.550
Propylene	1.76	3.48	0.506	ok	0.506	0.446-0.566

Initial Calibration Retention Time/Internal Standard Area Summary

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V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.88	10.72	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.18	3.48	1.201	ok	1.203	1.143-1.263
1,1,1,2-Tetrachloroethane	10.81	10.72	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.10	10.72	1.222	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.36	4.87	1.511	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.40	10.72	1.716	ok	1.716	1.656-1.776
1,2,3-Trichloropropane	13.39	10.72	1.249	ok	1.249	1.189-1.309
1,2,3-Trimethylbenzene	17.18	10.72	1.603	ok	1.603	1.543-1.663
1,2,4-Trimethylbenzene	16.83	10.72	1.570	ok	1.570	1.510-1.630
1,3,5-Trimethylbenzene	16.40	10.72	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.59	4.87	1.148	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.54	3.48	0.730	ok	0.728	0.668-0.788
Tetrachloroethylene	9.56	4.87	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.81	3.48	1.095	ok	1.091	1.031-1.151
Toluene	7.76	4.87	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.49	4.87	1.127	ok	1.128	1.068-1.188
Trichlorofluoromethane	2.30	3.48	0.661	ok	0.663	0.603-0.723
Vinyl chloride	1.89	3.48	0.543	ok	0.543	0.483-0.603
Vinyl Acetate	3.07	3.48	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.14	10.72	1.132	ok	1.132	1.072-1.192
o-Xylene	13.09	10.72	1.221	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.42	10.72	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.48	ok	3.48	3.15-3.81	161503	ok	157729	94637-220821
1,4-Difluorobenzene	4.87	ok	4.87	4.54-5.20	795981	ok	786581	471949-1101213
Chlorobenzene-D5	10.72	ok	10.72	10.39-11.05	763082	ok	746063	447638-1044488

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.25	3.48	0.647	ok	0.644	0.584-0.704
Acrolein	2.20	3.48	0.632	ok	0.632	0.572-0.692
Acrylonitrile	2.39	3.48	0.687	ok	0.687	0.627-0.747
Acetonitrile	2.17	3.48	0.624	ok	0.621	0.561-0.681
1,3-Butadiene	1.94	3.48	0.557	ok	0.556	0.496-0.616
Benzene	4.52	3.48	1.299	ok	1.299	1.239-1.359
Bromobenzene	14.50	10.72	1.353	ok	1.353	1.293-1.413
Bromodichloromethane	5.43	4.87	1.115	ok	1.115	1.055-1.175
Bromoform	11.95	10.72	1.115	ok	1.115	1.055-1.175
Bromomethane	2.01	3.48	0.578	ok	0.578	0.518-0.638
Bromoethene	2.17	3.48	0.624	ok	0.624	0.564-0.684
n-Butane	1.95	3.48	0.560	ok	0.560	0.500-0.620
Benzyl Chloride	16.91	10.72	1.577	ok	1.577	1.517-1.637
n-Butylbenzene	17.57	10.72	1.639	ok	1.639	1.579-1.699
sec-Butylbenzene	17.08	10.72	1.593	ok	1.593	1.533-1.653
tert-Butylbenzene	16.82	10.72	1.569	ok	1.569	1.509-1.629
Carbon disulfide	2.65	3.48	0.761	ok	0.761	0.701-0.821
Chlorobenzene	10.80	10.72	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.48	0.503	ok	0.503	0.443-0.563
Chloroethane	2.06	3.48	0.592	ok	0.592	0.532-0.652
Chlorotrifluoroethene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Chloroform	3.56	3.48	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.48	0.526	ok	0.526	0.466-0.586
3-Chloropropene	2.59	3.48	0.744	ok	0.744	0.684-0.804
2-Chlorotoluene	15.65	10.72	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.64	3.48	1.333	ok	1.334	1.274-1.394
Cyclohexane	4.75	4.87	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.99	3.48	0.859	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.51	3.48	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane (EDB)	8.67	4.87	1.780	ok	1.781	1.721-1.841
1,2-Dichloroethane	4.00	3.48	1.149	ok	1.151	1.091-1.211
1,2-Dichloropropane	5.24	4.87	1.076	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.81	4.87	1.604	ok	1.605	1.545-1.665
1,4-Dioxane	5.55	4.87	1.140	ok	1.135	1.075-1.195
Dichlorodifluoromethane	1.78	3.48	0.511	ok	0.511	0.451-0.571
Dichlorofluoromethane	2.09	3.48	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.31	4.87	1.706	ok	1.708	1.648-1.768
Dibromomethane	5.20	4.87	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.90	3.48	0.833	ok	0.834	0.774-0.894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.39	3.48	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.48	4.87	1.331	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.88	10.72	1.575	ok	1.575	1.515-1.635
o-Dichlorobenzene	17.23	10.72	1.607	ok	1.607	1.547-1.667
p-Dichlorobenzene	16.96	10.72	1.582	ok	1.582	1.522-1.642
trans-1,3-Dichloropropene	7.20	4.87	1.478	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.55	3.48	1.020	ok	1.019	0.959-1.079
2,3-Dimethylpentane	5.03	4.87	1.033	ok	1.033	0.973-1.093
2,4-Dimethylpentane	4.10	3.48	1.178	ok	1.178	1.118-1.238
Ethanol	2.10	3.48	0.603	ok	0.601	0.541-0.661
Ethylbenzene	11.70	10.72	1.091	ok	1.092	1.032-1.152
Ethyl Acetate	3.56	3.48	1.023	ok	1.020	0.960-1.080
Ethyl Acrylate	5.38	4.87	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	16.26	10.72	1.517	ok	1.517	1.457-1.577
Freon 113	2.65	3.48	0.761	ok	0.761	0.701-0.821
Freon 114	1.86	3.48	0.534	ok	0.534	0.474-0.594
Freon 123	2.22	3.48	0.638	ok	0.638	0.578-0.698
Freon 123A	2.24	3.48	0.644	ok	0.642	0.582-0.702
Freon 142B	1.83	3.48	0.526	ok	0.524	0.464-0.584
Freon 152A	1.74	3.48	0.500	ok	0.500	0.440-0.560
Heptane	5.93	4.87	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.68	10.72	1.743	ok	1.742	1.682-1.802
Hexachloroethane	17.73	10.72	1.654	ok	1.654	1.594-1.714
Hexane	3.53	3.48	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.37	4.87	1.719	ok	1.717	1.657-1.777
Iodomethane	2.48	3.48	0.713	ok	0.713	0.653-0.773
Isopropylbenzene	14.63	10.72	1.365	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.33	3.48	0.670	ok	0.668	0.608-0.728
p-Isopropyltoluene	17.24	10.72	1.608	ok	1.608	1.548-1.668
Methylene chloride	2.55	3.48	0.733	ok	0.733	0.673-0.793
Methyl ethyl ketone	3.19	3.48	0.917	ok	0.913	0.853-0.973
Methyl Isobutyl Ketone	6.62	4.87	1.359	ok	1.357	1.297-1.417
Methyl Tert Butyl Ether	3.04	3.48	0.874	ok	0.872	0.812-0.932
Methylmethacrylate	5.83	4.87	1.197	ok	1.196	1.136-1.256
Naphthalene	18.45	10.72	1.721	ok	1.720	1.660-1.780
Nonane	14.21	10.72	1.326	ok	1.327	1.267-1.387
Octane	9.70	4.87	1.992	ok	1.993	1.933-2.053
Pentane	2.42	3.48	0.695	ok	0.695	0.635-0.755
n-Propylbenzene	15.98	10.72	1.491	ok	1.490	1.430-1.550

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

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V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
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V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Styrene	12.87	10.72	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.19	3.48	1.204	ok	1.203	1.143-1.263
1,1,1,2-Tetrachloroethane	10.81	10.72	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.10	10.72	1.222	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.37	4.87	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.40	10.72	1.716	ok	1.716	1.656-1.776
1,2,3-Trichloropropane	13.38	10.72	1.248	ok	1.249	1.189-1.309
1,2,3-Trimethylbenzene	17.18	10.72	1.603	ok	1.603	1.543-1.663
1,2,4-Trimethylbenzene	16.83	10.72	1.570	ok	1.570	1.510-1.630
1,3,5-Trimethylbenzene	16.40	10.72	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.59	4.87	1.148	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.55	3.48	0.733	ok	0.728	0.668-0.788
Tetrachloroethylene	9.56	4.87	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.81	3.48	1.095	ok	1.091	1.031-1.151
Toluene	7.76	4.87	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.49	4.87	1.127	ok	1.128	1.068-1.188
Trichlorofluoromethane	2.31	3.48	0.664	ok	0.663	0.603-0.723
Vinyl chloride	1.89	3.48	0.543	ok	0.543	0.483-0.603
Vinyl Acetate	3.07	3.48	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.13	10.72	1.132	ok	1.132	1.072-1.192
o-Xylene	13.09	10.72	1.221	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.42	10.72	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.48	ok	3.48	3.15-3.81	159335	ok	157729	94637-220821
1,4-Difluorobenzene	4.87	ok	4.87	4.54-5.20	801676	ok	786581	471949-1101213
Chlorobenzene-D5	10.72	ok	10.72	10.39-11.05	754964	ok	746063	447638-1044488

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	Reporting this level
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.24	3.48	0.644	ok	0.644	0.584-0.704
Acrolein	2.20	3.48	0.632	ok	0.632	0.572-0.692
Acrylonitrile	2.39	3.48	0.687	ok	0.687	0.627-0.747
Acetonitrile	2.16	3.48	0.621	ok	0.621	0.561-0.681
1,3-Butadiene	1.93	3.48	0.555	ok	0.556	0.496-0.616
Benzene	4.52	3.48	1.299	ok	1.299	1.239-1.359
Bromobenzene	14.51	10.72	1.354	ok	1.353	1.293-1.413
Bromodichloromethane	5.43	4.87	1.115	ok	1.115	1.055-1.175
Bromoform	11.95	10.72	1.115	ok	1.115	1.055-1.175
Bromomethane	2.01	3.48	0.578	ok	0.578	0.518-0.638
Bromoethene	2.17	3.48	0.624	ok	0.624	0.564-0.684
n-Butane	1.95	3.48	0.560	ok	0.560	0.500-0.620
Benzyl Chloride	16.91	10.72	1.577	ok	1.577	1.517-1.637
n-Butylbenzene	17.57	10.72	1.639	ok	1.639	1.579-1.699
sec-Butylbenzene	17.08	10.72	1.593	ok	1.593	1.533-1.653
tert-Butylbenzene	16.82	10.72	1.569	ok	1.569	1.509-1.629
Carbon disulfide	2.65	3.48	0.761	ok	0.761	0.701-0.821
Chlorobenzene	10.80	10.72	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.48	0.503	ok	0.503	0.443-0.563
Chloroethane	2.06	3.48	0.592	ok	0.592	0.532-0.652
Chlorotrifluoroethene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Chloroform	3.56	3.48	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.48	0.526	ok	0.526	0.466-0.586
3-Chloropropene	2.59	3.48	0.744	ok	0.744	0.684-0.804
2-Chlorotoluene	15.65	10.72	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.64	3.48	1.333	ok	1.334	1.274-1.394
Cyclohexane	4.75	4.87	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.99	3.48	0.859	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.51	3.48	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane (EDB)	8.67	4.87	1.780	ok	1.781	1.721-1.841
1,2-Dichloroethane	4.01	3.48	1.152	ok	1.151	1.091-1.211
1,2-Dichloropropane	5.24	4.87	1.076	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.82	4.87	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.51	4.87	1.131	ok	1.135	1.075-1.195
Dichlorodifluoromethane	1.78	3.48	0.511	ok	0.511	0.451-0.571
Dichlorofluoromethane	2.09	3.48	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.32	4.87	1.708	ok	1.708	1.648-1.768
Dibromomethane	5.20	4.87	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.90	3.48	0.833	ok	0.834	0.774-0.894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
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Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
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V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	Reporting this level
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.39	3.48	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.49	4.87	1.333	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.88	10.72	1.575	ok	1.575	1.515-1.635
o-Dichlorobenzene	17.23	10.72	1.607	ok	1.607	1.547-1.667
p-Dichlorobenzene	16.96	10.72	1.582	ok	1.582	1.522-1.642
trans-1,3-Dichloropropene	7.20	4.87	1.478	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.54	3.48	1.017	ok	1.019	0.959-1.079
2,3-Dimethylpentane	5.03	4.87	1.033	ok	1.033	0.973-1.093
2,4-Dimethylpentane	4.10	3.48	1.178	ok	1.178	1.118-1.238
Ethanol	2.09	3.48	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.70	10.72	1.091	ok	1.092	1.032-1.152
Ethyl Acetate	3.54	3.48	1.017	ok	1.020	0.960-1.080
Ethyl Acrylate	5.37	4.87	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	16.26	10.72	1.517	ok	1.517	1.457-1.577
Freon 113	2.65	3.48	0.761	ok	0.761	0.701-0.821
Freon 114	1.86	3.48	0.534	ok	0.534	0.474-0.594
Freon 123	2.22	3.48	0.638	ok	0.638	0.578-0.698
Freon 123A	2.23	3.48	0.641	ok	0.642	0.582-0.702
Freon 142B	1.82	3.48	0.523	ok	0.524	0.464-0.584
Freon 152A	1.74	3.48	0.500	ok	0.500	0.440-0.560
Heptane	5.93	4.87	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.68	10.72	1.743	ok	1.742	1.682-1.802
Hexachloroethane	17.73	10.72	1.654	ok	1.654	1.594-1.714
Hexane	3.53	3.48	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.87	1.715	ok	1.717	1.657-1.777
Iodomethane	2.48	3.48	0.713	ok	0.713	0.653-0.773
Isopropylbenzene	14.63	10.72	1.365	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.33	3.48	0.670	ok	0.668	0.608-0.728
p-Isopropyltoluene	17.24	10.72	1.608	ok	1.608	1.548-1.668
Methylene chloride	2.55	3.48	0.733	ok	0.733	0.673-0.793
Methyl ethyl ketone	3.17	3.48	0.911	ok	0.913	0.853-0.973
Methyl Isobutyl Ketone	6.60	4.87	1.355	ok	1.357	1.297-1.417
Methyl Tert Butyl Ether	3.03	3.48	0.871	ok	0.872	0.812-0.932
Methylmethacrylate	5.82	4.87	1.195	ok	1.196	1.136-1.256
Naphthalene	18.44	10.72	1.720	ok	1.720	1.660-1.780
Nonane	14.22	10.72	1.326	ok	1.327	1.267-1.387
Octane	9.70	4.87	1.992	ok	1.993	1.933-2.053
Pentane	2.42	3.48	0.695	ok	0.695	0.635-0.755
n-Propylbenzene	15.98	10.72	1.491	ok	1.490	1.430-1.550

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	Reporting this level
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Styrene	12.88	10.72	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.18	3.48	1.201	ok	1.203	1.143-1.263
1,1,1,2-Tetrachloroethane	10.81	10.72	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.10	10.72	1.222	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.37	4.87	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.40	10.72	1.716	ok	1.716	1.656-1.776
1,2,3-Trichloropropane	13.39	10.72	1.249	ok	1.249	1.189-1.309
1,2,3-Trimethylbenzene	17.18	10.72	1.603	ok	1.603	1.543-1.663
1,2,4-Trimethylbenzene	16.83	10.72	1.570	ok	1.570	1.510-1.630
1,3,5-Trimethylbenzene	16.40	10.72	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.59	4.87	1.148	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.53	3.48	0.727	ok	0.728	0.668-0.788
Tetrachloroethylene	9.56	4.87	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.79	3.48	1.089	ok	1.091	1.031-1.151
Toluene	7.76	4.87	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.49	4.87	1.127	ok	1.128	1.068-1.188
Trichlorofluoromethane	2.30	3.48	0.661	ok	0.663	0.603-0.723
Vinyl chloride	1.89	3.48	0.543	ok	0.543	0.483-0.603
Vinyl Acetate	3.07	3.48	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.10	10.72	1.129	ok	1.132	1.072-1.192
o-Xylene	13.10	10.72	1.222	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.42	10.72	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.48	ok	3.48	3.15-3.81	160060	ok	157729	94637-220821
1,4-Difluorobenzene	4.87	ok	4.87	4.54-5.20	790131	ok	786581	471949-1101213
Chlorobenzene-D5	10.72	ok	10.72	10.39-11.05	746022	ok	746063	447638-1044488

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.24	3.48	0.644	ok	0.644	0.584-0.704
Acrolein	2.20	3.48	0.632	ok	0.632	0.572-0.692
Acrylonitrile	2.39	3.48	0.687	ok	0.687	0.627-0.747
Acetonitrile	2.16	3.48	0.621	ok	0.621	0.561-0.681
1,3-Butadiene	1.93	3.48	0.555	ok	0.556	0.496-0.616
Benzene	4.52	3.48	1.299	ok	1.299	1.239-1.359
Bromobenzene	14.51	10.72	1.354	ok	1.353	1.293-1.413
Bromodichloromethane	5.43	4.87	1.115	ok	1.115	1.055-1.175
Bromoform	11.95	10.72	1.115	ok	1.115	1.055-1.175
Bromomethane	2.01	3.48	0.578	ok	0.578	0.518-0.638
Bromoethene	2.17	3.48	0.624	ok	0.624	0.564-0.684
n-Butane	1.95	3.48	0.560	ok	0.560	0.500-0.620
Benzyl Chloride	16.91	10.72	1.577	ok	1.577	1.517-1.637
n-Butylbenzene	17.57	10.72	1.639	ok	1.639	1.579-1.699
sec-Butylbenzene	17.09	10.72	1.594	ok	1.593	1.533-1.653
tert-Butylbenzene	16.82	10.72	1.569	ok	1.569	1.509-1.629
Carbon disulfide	2.65	3.48	0.761	ok	0.761	0.701-0.821
Chlorobenzene	10.80	10.72	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.48	0.503	ok	0.503	0.443-0.563
Chloroethane	2.06	3.48	0.592	ok	0.592	0.532-0.652
Chlorotrifluoroethene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Chloroform	3.56	3.48	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.48	0.526	ok	0.526	0.466-0.586
3-Chloropropene	2.59	3.48	0.744	ok	0.744	0.684-0.804
2-Chlorotoluene	15.65	10.72	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.64	3.48	1.333	ok	1.334	1.274-1.394
Cyclohexane	4.75	4.87	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.99	3.48	0.859	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.51	3.48	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane (EDB)	8.67	4.87	1.780	ok	1.781	1.721-1.841
1,2-Dichloroethane	4.00	3.48	1.149	ok	1.151	1.091-1.211
1,2-Dichloropropane	5.24	4.87	1.076	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.82	4.87	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.50	4.87	1.129	ok	1.135	1.075-1.195
Dichlorodifluoromethane	1.78	3.48	0.511	ok	0.511	0.451-0.571
Dichlorofluoromethane	2.09	3.48	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.32	4.87	1.708	ok	1.708	1.648-1.768
Dibromomethane	5.20	4.87	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.90	3.48	0.833	ok	0.834	0.774-0.894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
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Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.39	3.48	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.48	4.87	1.331	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.89	10.72	1.576	ok	1.575	1.515-1.635
o-Dichlorobenzene	17.23	10.72	1.607	ok	1.607	1.547-1.667
p-Dichlorobenzene	16.96	10.72	1.582	ok	1.582	1.522-1.642
trans-1,3-Dichloropropene	7.20	4.87	1.478	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.54	3.48	1.017	ok	1.019	0.959-1.079
2,3-Dimethylpentane	5.03	4.87	1.033	ok	1.033	0.973-1.093
2,4-Dimethylpentane	4.10	3.48	1.178	ok	1.178	1.118-1.238
Ethanol	2.09	3.48	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.70	10.72	1.091	ok	1.092	1.032-1.152
Ethyl Acetate	3.54	3.48	1.017	ok	1.020	0.960-1.080
Ethyl Acrylate	5.37	4.87	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	16.27	10.72	1.518	ok	1.517	1.457-1.577
Freon 113	2.65	3.48	0.761	ok	0.761	0.701-0.821
Freon 114	1.86	3.48	0.534	ok	0.534	0.474-0.594
Freon 123	2.22	3.48	0.638	ok	0.638	0.578-0.698
Freon 123A	2.23	3.48	0.641	ok	0.642	0.582-0.702
Freon 142B	1.82	3.48	0.523	ok	0.524	0.464-0.584
Freon 152A	1.74	3.48	0.500	ok	0.500	0.440-0.560
Heptane	5.93	4.87	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.68	10.72	1.743	ok	1.742	1.682-1.802
Hexachloroethane	17.73	10.72	1.654	ok	1.654	1.594-1.714
Hexane	3.53	3.48	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.87	1.715	ok	1.717	1.657-1.777
Iodomethane	2.48	3.48	0.713	ok	0.713	0.653-0.773
Isopropylbenzene	14.63	10.72	1.365	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.32	3.48	0.667	ok	0.668	0.608-0.728
p-Isopropyltoluene	17.24	10.72	1.608	ok	1.608	1.548-1.668
Methylene chloride	2.55	3.48	0.733	ok	0.733	0.673-0.793
Methyl ethyl ketone	3.17	3.48	0.911	ok	0.913	0.853-0.973
Methyl Isobutyl Ketone	6.59	4.87	1.353	ok	1.357	1.297-1.417
Methyl Tert Butyl Ether	3.03	3.48	0.871	ok	0.872	0.812-0.932
Methylmethacrylate	5.82	4.87	1.195	ok	1.196	1.136-1.256
Naphthalene	18.44	10.72	1.720	ok	1.720	1.660-1.780
Nonane	14.23	10.72	1.327	ok	1.327	1.267-1.387
Octane	9.70	4.87	1.992	ok	1.993	1.933-2.053
Pentane	2.42	3.48	0.695	ok	0.695	0.635-0.755
n-Propylbenzene	15.98	10.72	1.491	ok	1.490	1.430-1.550

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Styrene	12.88	10.72	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.19	3.48	1.204	ok	1.203	1.143-1.263
1,1,1,2-Tetrachloroethane	10.81	10.72	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.11	10.72	1.223	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.37	4.87	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.40	10.72	1.716	ok	1.716	1.656-1.776
1,2,3-Trichloropropane	13.39	10.72	1.249	ok	1.249	1.189-1.309
1,2,3-Trimethylbenzene	17.18	10.72	1.603	ok	1.603	1.543-1.663
1,2,4-Trimethylbenzene	16.83	10.72	1.570	ok	1.570	1.510-1.630
1,3,5-Trimethylbenzene	16.40	10.72	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.59	4.87	1.148	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.53	3.48	0.727	ok	0.728	0.668-0.788
Tetrachloroethylene	9.56	4.87	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.79	3.48	1.089	ok	1.091	1.031-1.151
Toluene	7.76	4.87	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.49	4.87	1.127	ok	1.128	1.068-1.188
Trichlorofluoromethane	2.30	3.48	0.661	ok	0.663	0.603-0.723
Vinyl chloride	1.89	3.48	0.543	ok	0.543	0.483-0.603
Vinyl Acetate	3.07	3.48	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.14	10.72	1.132	ok	1.132	1.072-1.192
o-Xylene	13.10	10.72	1.222	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.42	10.72	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.48	ok	3.48	3.15-3.81	157558	ok	157729	94637-220821
1,4-Difluorobenzene	4.87	ok	4.87	4.54-5.20	782358	ok	786581	471949-1101213
Chlorobenzene-D5	10.72	ok	10.72	10.39-11.05	745540	ok	746063	447638-1044488

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: EPT, Ithaca, NY

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V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.24	3.48	0.644	ok	0.644	0.584-0.704
Acrolein	2.20	3.48	0.632	ok	0.632	0.572-0.692
Acrylonitrile	2.39	3.48	0.687	ok	0.687	0.627-0.747
Acetonitrile	2.16	3.48	0.621	ok	0.621	0.561-0.681
1,3-Butadiene	1.93	3.48	0.555	ok	0.556	0.496-0.616
Benzene	4.52	3.48	1.299	ok	1.299	1.239-1.359
Bromobenzene	14.51	10.72	1.354	ok	1.353	1.293-1.413
Bromodichloromethane	5.43	4.87	1.115	ok	1.115	1.055-1.175
Bromoform	11.96	10.72	1.116	ok	1.115	1.055-1.175
Bromomethane	2.01	3.48	0.578	ok	0.578	0.518-0.638
Bromoethene	2.17	3.48	0.624	ok	0.624	0.564-0.684
n-Butane	1.95	3.48	0.560	ok	0.560	0.500-0.620
Benzyl Chloride	16.91	10.72	1.577	ok	1.577	1.517-1.637
n-Butylbenzene	17.57	10.72	1.639	ok	1.639	1.579-1.699
sec-Butylbenzene	17.09	10.72	1.594	ok	1.593	1.533-1.653
tert-Butylbenzene	16.83	10.72	1.570	ok	1.569	1.509-1.629
Carbon disulfide	2.65	3.48	0.761	ok	0.761	0.701-0.821
Chlorobenzene	10.81	10.72	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.48	0.503	ok	0.503	0.443-0.563
Chloroethane	2.06	3.48	0.592	ok	0.592	0.532-0.652
Chlorotrifluoroethene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Chloroform	3.56	3.48	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.48	0.526	ok	0.526	0.466-0.586
3-Chloropropene	2.59	3.48	0.744	ok	0.744	0.684-0.804
2-Chlorotoluene	15.66	10.72	1.461	ok	1.460	1.400-1.520
Carbon tetrachloride	4.64	3.48	1.333	ok	1.334	1.274-1.394
Cyclohexane	4.75	4.87	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.99	3.48	0.859	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.51	3.48	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane (EDB)	8.68	4.87	1.782	ok	1.781	1.721-1.841
1,2-Dichloroethane	4.01	3.48	1.152	ok	1.151	1.091-1.211
1,2-Dichloropropane	5.24	4.87	1.076	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.82	4.87	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.50	4.87	1.129	ok	1.135	1.075-1.195
Dichlorodifluoromethane	1.78	3.48	0.511	ok	0.511	0.451-0.571
Dichlorofluoromethane	2.09	3.48	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.32	4.87	1.708	ok	1.708	1.648-1.768
Dibromomethane	5.20	4.87	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.90	3.48	0.833	ok	0.834	0.774-0.894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.39	3.48	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.49	4.87	1.333	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.89	10.72	1.576	ok	1.575	1.515-1.635
o-Dichlorobenzene	17.24	10.72	1.608	ok	1.607	1.547-1.667
p-Dichlorobenzene	16.96	10.72	1.582	ok	1.582	1.522-1.642
trans-1,3-Dichloropropene	7.20	4.87	1.478	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.54	3.48	1.017	ok	1.019	0.959-1.079
2,3-Dimethylpentane	5.03	4.87	1.033	ok	1.033	0.973-1.093
2,4-Dimethylpentane	4.10	3.48	1.178	ok	1.178	1.118-1.238
Ethanol	2.09	3.48	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.71	10.72	1.092	ok	1.092	1.032-1.152
Ethyl Acetate	3.55	3.48	1.020	ok	1.020	0.960-1.080
Ethyl Acrylate	5.37	4.87	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	16.27	10.72	1.518	ok	1.517	1.457-1.577
Freon 113	2.65	3.48	0.761	ok	0.761	0.701-0.821
Freon 114	1.86	3.48	0.534	ok	0.534	0.474-0.594
Freon 123	2.22	3.48	0.638	ok	0.638	0.578-0.698
Freon 123A	2.23	3.48	0.641	ok	0.642	0.582-0.702
Freon 142B	1.82	3.48	0.523	ok	0.524	0.464-0.584
Freon 152A	1.74	3.48	0.500	ok	0.500	0.440-0.560
Heptane	5.93	4.87	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.67	10.72	1.742	ok	1.742	1.682-1.802
Hexachloroethane	17.73	10.72	1.654	ok	1.654	1.594-1.714
Hexane	3.53	3.48	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.87	1.715	ok	1.717	1.657-1.777
Iodomethane	2.48	3.48	0.713	ok	0.713	0.653-0.773
Isopropylbenzene	14.63	10.72	1.365	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.32	3.48	0.667	ok	0.668	0.608-0.728
p-Isopropyltoluene	17.25	10.72	1.609	ok	1.608	1.548-1.668
Methylene chloride	2.55	3.48	0.733	ok	0.733	0.673-0.793
Methyl ethyl ketone	3.17	3.48	0.911	ok	0.913	0.853-0.973
Methyl Isobutyl Ketone	6.59	4.87	1.353	ok	1.357	1.297-1.417
Methyl Tert Butyl Ether	3.03	3.48	0.871	ok	0.872	0.812-0.932
Methylmethacrylate	5.82	4.87	1.195	ok	1.196	1.136-1.256
Naphthalene	18.44	10.72	1.720	ok	1.720	1.660-1.780
Nonane	14.23	10.72	1.327	ok	1.327	1.267-1.387
Octane	9.71	4.87	1.994	ok	1.993	1.933-2.053
Pentane	2.42	3.48	0.695	ok	0.695	0.635-0.755
n-Propylbenzene	15.98	10.72	1.491	ok	1.490	1.430-1.550

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
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V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Styrene	12.88	10.72	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.19	3.48	1.204	ok	1.203	1.143-1.263
1,1,1,2-Tetrachloroethane	10.82	10.72	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.11	10.72	1.223	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.37	4.87	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.40	10.72	1.716	ok	1.716	1.656-1.776
1,2,3-Trichloropropane	13.40	10.72	1.250	ok	1.249	1.189-1.309
1,2,3-Trimethylbenzene	17.19	10.72	1.604	ok	1.603	1.543-1.663
1,2,4-Trimethylbenzene	16.84	10.72	1.571	ok	1.570	1.510-1.630
1,3,5-Trimethylbenzene	16.40	10.72	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.59	4.87	1.148	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.53	3.48	0.727	ok	0.728	0.668-0.788
Tetrachloroethylene	9.56	4.87	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.78	3.48	1.086	ok	1.091	1.031-1.151
Toluene	7.76	4.87	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.49	4.87	1.127	ok	1.128	1.068-1.188
Trichlorofluoromethane	2.31	3.48	0.664	ok	0.663	0.603-0.723
Vinyl chloride	1.89	3.48	0.543	ok	0.543	0.483-0.603
Vinyl Acetate	3.07	3.48	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.15	10.72	1.133	ok	1.132	1.072-1.192
o-Xylene	13.10	10.72	1.222	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.42	10.72	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.48	ok	3.48	3.15-3.81	152011	ok	157729	94637-220821
1,4-Difluorobenzene	4.87	ok	4.87	4.54-5.20	756484	ok	786581	471949-1101213
Chlorobenzene-D5	10.72	ok	10.72	10.39-11.05	723333	ok	746063	447638-1044488

Initial Calibration Retention Time/Internal Standard Area Summary

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V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.24	3.48	0.644	ok	0.644	0.584-0.704
Acrolein	2.20	3.48	0.632	ok	0.632	0.572-0.692
Acrylonitrile	2.39	3.48	0.687	ok	0.687	0.627-0.747
Acetonitrile	2.16	3.48	0.621	ok	0.621	0.561-0.681
1,3-Butadiene	1.94	3.48	0.557	ok	0.556	0.496-0.616
Benzene	4.52	3.48	1.299	ok	1.299	1.239-1.359
Bromobenzene	14.52	10.73	1.353	ok	1.353	1.293-1.413
Bromodichloromethane	5.43	4.87	1.115	ok	1.115	1.055-1.175
Bromoform	11.96	10.73	1.115	ok	1.115	1.055-1.175
Bromomethane	2.01	3.48	0.578	ok	0.578	0.518-0.638
Bromoethene	2.17	3.48	0.624	ok	0.624	0.564-0.684
n-Butane	1.95	3.48	0.560	ok	0.560	0.500-0.620
Benzyl Chloride	16.91	10.73	1.576	ok	1.577	1.517-1.637
n-Butylbenzene	17.57	10.73	1.637	ok	1.639	1.579-1.699
sec-Butylbenzene	17.09	10.73	1.593	ok	1.593	1.533-1.653
tert-Butylbenzene	16.83	10.73	1.568	ok	1.569	1.509-1.629
Carbon disulfide	2.65	3.48	0.761	ok	0.761	0.701-0.821
Chlorobenzene	10.81	10.73	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.48	0.503	ok	0.503	0.443-0.563
Chloroethane	2.06	3.48	0.592	ok	0.592	0.532-0.652
Chlorotrifluoroethene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Chloroform	3.56	3.48	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.48	0.526	ok	0.526	0.466-0.586
3-Chloropropene	2.59	3.48	0.744	ok	0.744	0.684-0.804
2-Chlorotoluene	15.66	10.73	1.459	ok	1.460	1.400-1.520
Carbon tetrachloride	4.64	3.48	1.333	ok	1.334	1.274-1.394
Cyclohexane	4.75	4.87	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.99	3.48	0.859	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.51	3.48	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane (EDB)	8.68	4.87	1.782	ok	1.781	1.721-1.841
1,2-Dichloroethane	4.01	3.48	1.152	ok	1.151	1.091-1.211
1,2-Dichloropropane	5.25	4.87	1.078	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.82	4.87	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.50	4.87	1.129	ok	1.135	1.075-1.195
Dichlorodifluoromethane	1.78	3.48	0.511	ok	0.511	0.451-0.571
Dichlorofluoromethane	2.09	3.48	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.32	4.87	1.708	ok	1.708	1.648-1.768
Dibromomethane	5.20	4.87	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.90	3.48	0.833	ok	0.834	0.774-0.894

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Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.39	3.48	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.49	4.87	1.333	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.90	10.73	1.575	ok	1.575	1.515-1.635
o-Dichlorobenzene	17.24	10.73	1.607	ok	1.607	1.547-1.667
p-Dichlorobenzene	16.97	10.73	1.582	ok	1.582	1.522-1.642
trans-1,3-Dichloropropene	7.21	4.87	1.480	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.54	3.48	1.017	ok	1.019	0.959-1.079
2,3-Dimethylpentane	5.03	4.87	1.033	ok	1.033	0.973-1.093
2,4-Dimethylpentane	4.10	3.48	1.178	ok	1.178	1.118-1.238
Ethanol	2.09	3.48	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.71	10.73	1.091	ok	1.092	1.032-1.152
Ethyl Acetate	3.54	3.48	1.017	ok	1.020	0.960-1.080
Ethyl Acrylate	5.37	4.87	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	16.27	10.73	1.516	ok	1.517	1.457-1.577
Freon 113	2.65	3.48	0.761	ok	0.761	0.701-0.821
Freon 114	1.86	3.48	0.534	ok	0.534	0.474-0.594
Freon 123	2.22	3.48	0.638	ok	0.638	0.578-0.698
Freon 123A	2.24	3.48	0.644	ok	0.642	0.582-0.702
Freon 142B	1.82	3.48	0.523	ok	0.524	0.464-0.584
Freon 152A	1.74	3.48	0.500	ok	0.500	0.440-0.560
Heptane	5.93	4.87	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.68	10.73	1.741	ok	1.742	1.682-1.802
Hexachloroethane	17.74	10.73	1.653	ok	1.654	1.594-1.714
Hexane	3.53	3.48	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.87	1.715	ok	1.717	1.657-1.777
Iodomethane	2.48	3.48	0.713	ok	0.713	0.653-0.773
Isopropylbenzene	14.65	10.73	1.365	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.32	3.48	0.667	ok	0.668	0.608-0.728
p-Isopropyltoluene	17.25	10.73	1.608	ok	1.608	1.548-1.668
Methylene chloride	2.55	3.48	0.733	ok	0.733	0.673-0.793
Methyl ethyl ketone	3.17	3.48	0.911	ok	0.913	0.853-0.973
Methyl Isobutyl Ketone	6.60	4.87	1.355	ok	1.357	1.297-1.417
Methyl Tert Butyl Ether	3.03	3.48	0.871	ok	0.872	0.812-0.932
Methylmethacrylate	5.82	4.87	1.195	ok	1.196	1.136-1.256
Naphthalene	18.44	10.73	1.719	ok	1.720	1.660-1.780
Nonane	14.24	10.73	1.327	ok	1.327	1.267-1.387
Octane	9.71	4.87	1.994	ok	1.993	1.933-2.053
Pentane	2.42	3.48	0.695	ok	0.695	0.635-0.755
n-Propylbenzene	15.98	10.73	1.489	ok	1.490	1.430-1.550

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	Reporting this level
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Styrene	12.88	10.73	1.200	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.18	3.48	1.201	ok	1.203	1.143-1.263
1,1,1,2-Tetrachloroethane	10.82	10.73	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.12	10.73	1.223	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.37	4.87	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.40	10.73	1.715	ok	1.716	1.656-1.776
1,2,3-Trichloropropane	13.41	10.73	1.250	ok	1.249	1.189-1.309
1,2,3-Trimethylbenzene	17.19	10.73	1.602	ok	1.603	1.543-1.663
1,2,4-Trimethylbenzene	16.84	10.73	1.569	ok	1.570	1.510-1.630
1,3,5-Trimethylbenzene	16.41	10.73	1.529	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.59	4.87	1.148	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.53	3.48	0.727	ok	0.728	0.668-0.788
Tetrachloroethylene	9.56	4.87	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.78	3.48	1.086	ok	1.091	1.031-1.151
Toluene	7.76	4.87	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.50	4.87	1.129	ok	1.128	1.068-1.188
Trichlorofluoromethane	2.31	3.48	0.664	ok	0.663	0.603-0.723
Vinyl chloride	1.89	3.48	0.543	ok	0.543	0.483-0.603
Vinyl Acetate	3.07	3.48	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.16	10.73	1.133	ok	1.132	1.072-1.192
o-Xylene	13.10	10.73	1.221	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.42	10.73	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.48	ok	3.48	3.15-3.81	153344	ok	157729	94637-220821
1,4-Difluorobenzene	4.87	ok	4.87	4.54-5.20	768365	ok	786581	471949-1101213
Chlorobenzene-D5	10.73	ok	10.72	10.39-11.05	732349	ok	746063	447638-1044488

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.24	3.48	0.644	ok	0.644	0.584-0.704
Acrolein	2.20	3.48	0.632	ok	0.632	0.572-0.692
Acrylonitrile	2.39	3.48	0.687	ok	0.687	0.627-0.747
Acetonitrile	2.16	3.48	0.621	ok	0.621	0.561-0.681
1,3-Butadiene	1.93	3.48	0.555	ok	0.556	0.496-0.616
Benzene	4.52	3.48	1.299	ok	1.299	1.239-1.359
Bromobenzene	14.52	10.73	1.353	ok	1.353	1.293-1.413
Bromodichloromethane	5.44	4.87	1.117	ok	1.115	1.055-1.175
Bromoform	11.97	10.73	1.116	ok	1.115	1.055-1.175
Bromomethane	2.01	3.48	0.578	ok	0.578	0.518-0.638
Bromoethene	2.17	3.48	0.624	ok	0.624	0.564-0.684
n-Butane	1.95	3.48	0.560	ok	0.560	0.500-0.620
Benzyl Chloride	16.91	10.73	1.576	ok	1.577	1.517-1.637
n-Butylbenzene	17.57	10.73	1.637	ok	1.639	1.579-1.699
sec-Butylbenzene	17.08	10.73	1.592	ok	1.593	1.533-1.653
tert-Butylbenzene	16.83	10.73	1.568	ok	1.569	1.509-1.629
Carbon disulfide	2.65	3.48	0.761	ok	0.761	0.701-0.821
Chlorobenzene	10.81	10.73	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.75	3.48	0.503	ok	0.503	0.443-0.563
Chloroethane	2.06	3.48	0.592	ok	0.592	0.532-0.652
Chlorotrifluoroethene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Chloroform	3.56	3.48	1.023	ok	1.023	0.963-1.083
Chloromethane	1.83	3.48	0.526	ok	0.526	0.466-0.586
3-Chloropropene	2.59	3.48	0.744	ok	0.744	0.684-0.804
2-Chlorotoluene	15.66	10.73	1.459	ok	1.460	1.400-1.520
Carbon tetrachloride	4.64	3.48	1.333	ok	1.334	1.274-1.394
Cyclohexane	4.75	4.87	0.975	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.99	3.48	0.859	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.51	3.48	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane (EDB)	8.68	4.87	1.782	ok	1.781	1.721-1.841
1,2-Dichloroethane	4.01	3.48	1.152	ok	1.151	1.091-1.211
1,2-Dichloropropane	5.25	4.87	1.078	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.82	4.87	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.50	4.87	1.129	ok	1.135	1.075-1.195
Dichlorodifluoromethane	1.78	3.48	0.511	ok	0.511	0.451-0.571
Dichlorofluoromethane	2.09	3.48	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.32	4.87	1.708	ok	1.708	1.648-1.768
Dibromomethane	5.20	4.87	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.90	3.48	0.833	ok	0.834	0.774-0.894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.39	3.48	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.49	4.87	1.333	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.90	10.73	1.575	ok	1.575	1.515-1.635
o-Dichlorobenzene	17.24	10.73	1.607	ok	1.607	1.547-1.667
p-Dichlorobenzene	16.97	10.73	1.582	ok	1.582	1.522-1.642
trans-1,3-Dichloropropene	7.21	4.87	1.480	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.54	3.48	1.017	ok	1.019	0.959-1.079
2,3-Dimethylpentane	5.03	4.87	1.033	ok	1.033	0.973-1.093
2,4-Dimethylpentane	4.10	3.48	1.178	ok	1.178	1.118-1.238
Ethanol	2.09	3.48	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.71	10.73	1.091	ok	1.092	1.032-1.152
Ethyl Acetate	3.55	3.48	1.020	ok	1.020	0.960-1.080
Ethyl Acrylate	5.37	4.87	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	16.27	10.73	1.516	ok	1.517	1.457-1.577
Freon 113	2.65	3.48	0.761	ok	0.761	0.701-0.821
Freon 114	1.86	3.48	0.534	ok	0.534	0.474-0.594
Freon 123	2.22	3.48	0.638	ok	0.638	0.578-0.698
Freon 123A	2.23	3.48	0.641	ok	0.642	0.582-0.702
Freon 142B	1.82	3.48	0.523	ok	0.524	0.464-0.584
Freon 152A	1.74	3.48	0.500	ok	0.500	0.440-0.560
Heptane	5.93	4.87	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.68	10.73	1.741	ok	1.742	1.682-1.802
Hexachloroethane	17.74	10.73	1.653	ok	1.654	1.594-1.714
Hexane	3.53	3.48	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.87	1.715	ok	1.717	1.657-1.777
Iodomethane	2.48	3.48	0.713	ok	0.713	0.653-0.773
Isopropylbenzene	14.65	10.73	1.365	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.32	3.48	0.667	ok	0.668	0.608-0.728
p-Isopropyltoluene	17.26	10.73	1.609	ok	1.608	1.548-1.668
Methylene chloride	2.55	3.48	0.733	ok	0.733	0.673-0.793
Methyl ethyl ketone	3.17	3.48	0.911	ok	0.913	0.853-0.973
Methyl Isobutyl Ketone	6.60	4.87	1.355	ok	1.357	1.297-1.417
Methyl Tert Butyl Ether	3.03	3.48	0.871	ok	0.872	0.812-0.932
Methylmethacrylate	5.82	4.87	1.195	ok	1.196	1.136-1.256
Naphthalene	18.45	10.73	1.719	ok	1.720	1.660-1.780
Nonane	14.24	10.73	1.327	ok	1.327	1.267-1.387
Octane	9.71	4.87	1.994	ok	1.993	1.933-2.053
Pentane	2.42	3.48	0.695	ok	0.695	0.635-0.755
n-Propylbenzene	15.99	10.73	1.490	ok	1.490	1.430-1.550

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W124-IC0124	8W03114.D	12/19/23 21:11	TS	0.04	GCMS8W	TO-15	
V8W124-IC0124	8W03115.D	12/19/23 21:45	TS	0.10	GCMS8W	TO-15	
V8W124-IC0124	8W03116.D	12/19/23 22:20	TS	0.20	GCMS8W	TO-15	
V8W124-IC0124	8W03117.D	12/19/23 22:56	TS	0.50	GCMS8W	TO-15	
V8W124-IC0124	8W03119.D	12/20/23 00:03	TS	5	GCMS8W	TO-15	
V8W124-ICC0124	8W03120.D	12/20/23 00:38	TS	10	GCMS8W	TO-15	
V8W124-IC0124	8W03121.D	12/20/23 01:14	TS	20	GCMS8W	TO-15	
V8W124-IC0124	8W03122.D	12/20/23 01:55	TS	40	GCMS8W	TO-15	
V8W124-IC0124	8W03123.D	12/20/23 02:37	TS	50	GCMS8W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.76	3.48	0.506	ok	0.506	0.446-0.566
Styrene	12.89	10.73	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.18	3.48	1.201	ok	1.203	1.143-1.263
1,1,1,2-Tetrachloroethane	10.82	10.73	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.12	10.73	1.223	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.37	4.87	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.41	10.73	1.716	ok	1.716	1.656-1.776
1,2,3-Trichloropropane	13.41	10.73	1.250	ok	1.249	1.189-1.309
1,2,3-Trimethylbenzene	17.19	10.73	1.602	ok	1.603	1.543-1.663
1,2,4-Trimethylbenzene	16.84	10.73	1.569	ok	1.570	1.510-1.630
1,3,5-Trimethylbenzene	16.41	10.73	1.529	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.59	4.87	1.148	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.52	3.48	0.724	ok	0.728	0.668-0.788
Tetrachloroethylene	9.56	4.87	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.78	3.48	1.086	ok	1.091	1.031-1.151
Toluene	7.76	4.87	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.50	4.87	1.129	ok	1.128	1.068-1.188
Trichlorofluoromethane	2.30	3.48	0.661	ok	0.663	0.603-0.723
Vinyl chloride	1.89	3.48	0.543	ok	0.543	0.483-0.603
Vinyl Acetate	3.07	3.48	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.16	10.73	1.133	ok	1.132	1.072-1.192
o-Xylene	13.11	10.73	1.222	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.42	10.73	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.48	ok	3.48	3.15-3.81	155248	ok	157729	94637-220821
1,4-Difluorobenzene	4.87	ok	4.87	4.54-5.20	780937	ok	786581	471949-1101213
Chlorobenzene-D5	10.73	ok	10.72	10.39-11.05	743037	ok	746063	447638-1044488

Surrogate Recovery Summary

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JD81245-1	8W04097.D	95
JD81245-2	8W04098.D	95
JD81246-1DUP	8W04096.D	96
V7W151-SCC	7W03757.D	97
V7W152-SCC	7W03783.D	100
V8W162-BS	8W04091.D	96
V8W162-BSD	8W04092.D	96
V8W162-MB	8W04094.D	94
V7W151-BS	7W03733.D	103
V7W151-BSD	7W03734.D	105
V7W151-MB	7W03736.D	98
V7W152-BS	7W03779.D	107
V7W152-BSD	7W03780.D	107
V7W152-MB	7W03782.D	103

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JD81245 **Sample:** V7W138-ICC0138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03347.D
Project: EPT, Ithaca, NY

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W0138.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Calibration Files
0.04=7w03357.D 0.10=7w03358.D 0.20=7w03359.D 0.5 =7w03360.D
5.0 =7w03346.D 10 =7w03347.D 20 =7w03348.D 40 =7w03349.D
50 =7w03350.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.850	0.960	0.962	0.982	0.971	0.976	1.003	1.003		0.963	5.04
4) CHLORODIFLUOROMETHANE	0.376	0.401	0.405	0.407	0.418	0.415	0.428	0.428		0.410	4.15
5) CHLOROTRIFLUOROETHENE	1.959	1.974	1.918	1.948	1.959	1.953	1.994	1.975		1.960	1.15
6) DICHLORODIFLUOROMETHANE	4.076	4.043	4.087	4.166	4.193	4.151	4.176	4.279	4.229	4.155	1.83
7) PROPYLENE	1.786	1.677	1.630	1.647	1.654	1.626	1.651	1.609		1.660	3.32
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.145	3.112	3.149	3.136	3.176	3.166	3.154	3.258	3.198	3.166	1.33
9) FREON 114	3.238	3.280	3.294	3.292	3.308	3.315	3.317	3.408	3.403	3.317	1.67
10) CHLOROMETHANE	0.535	0.540	0.577	0.564	0.562	0.547	0.552	0.547		0.553	2.50
11) VINYL CHLORIDE	1.562	1.498	1.598	1.606	1.628	1.602	1.638	1.625		1.595	2.86
12) 1,3-BUTADIENE	1.464	1.343	1.409	1.468	1.450	1.422	1.448	1.422		1.428	2.84
13) N-BUTANE	3.620	3.106	3.041	3.030	3.143	3.063	2.989	2.984	2.895	3.097	6.75
14) BROMOMETHANE	1.133	1.135	1.176	1.175	1.172	1.159	1.188	1.185		1.165	1.83
15) CHLOROETHANE	0.860	0.796	0.798	0.825	0.822	0.807	0.824	0.829		0.820	2.50
16) DICHLOROFLUOROMETHANE	3.066	3.201	3.070	3.044	3.172	3.144	3.113	3.169	3.137	3.124	1.74
17) ACETONITRILE	2.133	2.112	2.001	1.972	1.924	1.855	1.854	1.787		1.955	6.35
18) ACROLEIN	0.925	0.914	0.874	0.891	0.886	0.862	0.862	0.856		0.884	2.85
19) FREON 123	3.047	2.876	2.867	2.931	2.946	2.923	2.865	2.888	2.892	2.915	1.96
20) FREON 123A	1.745	1.623	1.701	1.695	1.665	1.636	1.636	1.633		1.667	2.58
21) TRICHLOROFLUOROMETHANE	3.478	3.819	3.551	3.553	3.644	3.613	3.546	3.553	3.499	3.584	2.83
22) ISOPROPYL ALCOHOL	4.580	4.575	4.291	4.296	4.224	4.002	3.929	3.781		4.210	6.90
23) ACETONE											

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                1.491 1.247 1.200 0.911 0.893 0.860 0.856 0.849   1.038   23.40
24)  PENTANE
                2.135 2.031 1.998 2.178 2.080 2.002 1.944 1.889   2.032    4.72
25)  IODOMETHANE
          3.395 3.126 2.982 3.000 3.045 3.047 2.964 2.974 2.972   3.056    4.49
26)  1,1-DICHLOROETHYLENE
                1.222 1.234 1.174 1.196 1.160 1.134 1.132 1.134   1.173    3.46
27)  CARBON DISULFIDE
          3.419 3.093 3.076 3.095 3.129 3.105 3.017 2.997 3.010   3.104    4.09
28)  ETHANOL
                      1.678 1.319 1.059 1.013 0.969 0.974 0.935   1.135   23.95
29)  BROMOETHENE
                1.141 1.102 1.149 1.154 1.139 1.123 1.138 1.151   1.137    1.51
30)  ACRYLONITRILE
                1.395 1.492 1.374 1.440 1.428 1.375 1.352 1.335   1.399    3.70
31)  METHYLENE CHLORIDE
                1.259 1.146 1.101 1.050 1.041 1.015 1.014 1.020   1.081    7.93
32)  3-CHLOROPROPENE
                0.685 0.667 0.628 0.606 0.607 0.591 0.594 0.600   0.622    5.65
33)  FREON 113
                1.930 1.826 1.888 1.973 1.937 1.885 1.866 1.863   1.896    2.51
34)  TRANS-1,2-DICHLOROETHENE
                1.336 1.388 1.454 1.423 1.390 1.341 1.338 1.338   1.376    3.30
35)  TERTIARY BUTYL ALCOHOL
          4.330 3.946 4.013 3.874 4.031 3.892 3.746 3.668 3.620   3.902    5.54
36)  METHYL TERTIARY BUTYL ETHER
          4.144 4.425 4.406 4.345 4.306 4.225 4.119 4.109 4.118   4.244    3.04
37)  TETRAHYDROFURAN
                0.633 0.744 0.733 0.735 0.718 0.695 0.693 0.695   0.706    5.02
38)  HEXANE
          3.493 3.171 3.064 3.243 3.204 3.078 2.945 2.861 2.810   3.097    6.82
39)  VINYL ACETATE
                0.358 0.345 0.367 0.384 0.382 0.385 0.388 0.392   0.375    4.43
40)  1,1-DICHLOROETHANE
          3.071 3.093 3.057 3.039 3.122 3.052 2.929 2.932 2.915   3.023    2.56
41)  METHYL ETHYL KETONE
                0.862 0.823 0.814 0.778 0.760 0.744 0.735 0.735   0.781    6.02
42)  CIS-1,2-DICHLOROETHENE
                1.507 1.426 1.512 1.549 1.502 1.446 1.449 1.461   1.482    2.84
43)  DIISOPROPYL ETHER
                0.860 0.957 0.955 0.939 0.912 0.871 0.849 0.830   0.897    5.62
44)  ETHYL ACETATE
                0.466 0.527 0.606 0.573 0.554 0.535 0.522 0.520   0.538    7.67
45)  METHYL ACRYLATE
          3.620 3.856 4.030 4.043 4.143 4.025 3.884 3.808 3.739   3.905    4.31
46)  CHLOROFORM
          2.807 3.036 3.111 3.100 3.065 2.976 2.838 2.787 2.747   2.941    4.95
47)  2,4-DIMETHYLPENTANE
          4.012 3.909 3.784 3.643 3.802 3.696 3.537 3.527 3.502   3.712    4.82
48)  1,1,1-TRICHLOROETHANE
          2.993 3.240 3.091 3.061 3.123 3.053 2.979 2.989 2.984   3.057    2.81
49)  CARBON TETRACHLORIDE
          2.782 3.008 3.031 3.124 3.247 3.222 3.178 3.230 3.225   3.116    4.91
50)  1,2-DICHLOROETHANE
          2.586 2.349 2.495 2.425 2.467 2.395 2.309 2.299 2.283   2.401    4.25
51)  BENZENE
          5.148 4.631 4.787 4.565 4.585 4.430 4.246 4.276 4.298   4.552    6.35

52) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
53)  CYCLOHEXANE
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                0.395 0.349 0.387 0.381 0.376 0.366 0.369 0.370   0.374    3.77
54)  2,3-DIMETHYLPENTANE
                0.198 0.213 0.210 0.213 0.205 0.200 0.201 0.202   0.205    2.98
55)  TRICHLOROETHENE
          0.341 0.428 0.393 0.393 0.396 0.383 0.375 0.375 0.378   0.385    6.03
56)  1,2-DICHLOROPROPANE
                0.388 0.379 0.392 0.400 0.387 0.377 0.382 0.382   0.386    1.92
57)  DIBROMOMETHANE
                0.375 0.369 0.363 0.346 0.339 0.332 0.337 0.339   0.350    4.68
58)  ETHYL ACRYLATE
          0.944 0.894 0.927 0.945 0.997 0.980 0.957 0.967 0.956   0.952    3.15
59)  BROMODICHLOROMETHANE
          0.616 0.611 0.599 0.625 0.644 0.639 0.627 0.638 0.638   0.626    2.43
60)  2,2,4-TRIMETHYLPENTANE
          1.986 2.018 1.946 2.019 2.005 1.921 1.847 1.843 1.820   1.934    4.13
61)  1,4-DIOXANE
                0.172 0.209 0.186 0.228 0.212 0.200 0.200 0.199   0.201    8.38
62)  HEPTANE
          0.718 0.795 0.790 0.785 0.818 0.775 0.744 0.738 0.723   0.765    4.63
63)  METHYL METHACRYLATE
                0.385 0.354 0.353 0.354 0.351 0.342 0.344 0.348   0.354    3.78
64)  METHYL ISOBUTYL KETONE
                0.390 0.397 0.401 0.424 0.401 0.381 0.383 0.381   0.395    3.72
65)  CIS-1,3-DICHLOROPROPENE
                0.499 0.487 0.494 0.510 0.506 0.505 0.523 0.531   0.507    2.89
66)  TOLUENE
          1.126 1.079 1.071 1.088 1.083 1.060 1.045 1.078 1.084   1.079    2.05
67)  1,3-DICHLOROPROPANE
          0.531 0.509 0.506 0.544 0.548 0.534 0.525 0.537 0.541   0.531    2.80
68)  TRANS-1,3-DICHLOROPROPENE
                0.413 0.422 0.435 0.458 0.465 0.472 0.497 0.506   0.459    7.32
69)  1,1,2-TRICHLOROETHANE
                0.293 0.295 0.306 0.311 0.303 0.300 0.309 0.311   0.303    2.31
70)  2-HEXANONE
          0.710 0.583 0.621 0.606 0.610 0.588 0.566 0.562 0.557   0.600    7.80
71)  ETHYL METHACRYLATE
          0.611 0.559 0.565 0.580 0.601 0.584 0.573 0.590 0.596   0.584    2.93
72)  TETRACHLOROETHENE
          0.459 0.424 0.399 0.409 0.415 0.407 0.402 0.414 0.417   0.416    4.24
73)  DIBROMOCHLOROMETHANE
          0.576 0.551 0.545 0.556 0.606 0.611 0.623 0.656 0.663   0.599    7.41
74)  1,2-DIBROMOETHANE
          0.489 0.530 0.522 0.547 0.557 0.549 0.540 0.559 0.563   0.539    4.31
75)  OCTANE
          1.119 1.064 1.084 1.092 1.134 1.092 1.072 1.083 1.067   1.090    2.16

76) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
77)  1,1,1,2-TETRACHLOROETHANE
                0.500 0.483 0.502 0.511 0.505 0.504 0.520 0.513   0.505    2.15
78)  CHLOROBENZENE
          0.968 0.974 0.939 0.954 0.948 0.929 0.915 0.934 0.925   0.943    2.09
79)  ETHYLBENZENE
          1.521 1.556 1.550 1.552 1.598 1.557 1.547 1.576 1.556   1.557    1.34
80)  M,P-XYLENE
          1.252 1.196 1.207 1.226 1.256 1.219 1.198 1.215 1.192   1.218    1.91
81)  O-XYLENE
          1.282 1.260 1.217 1.269 1.287 1.247 1.226 1.232 1.211   1.248    2.25
82)  STYRENE
          0.836 0.784 0.831 0.890 0.927 0.915 0.909 0.926 0.914   0.881    5.85
83)  NONANE
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           1.210 1.232 1.229 1.249 1.301 1.247 1.209 1.206 1.163   1.227    3.08
 84)  BROMOFORM
                 0.487 0.500 0.510 0.612 0.621 0.646 0.683 0.679   0.592   13.72
 85)  1,1,2,2-TETRACHLOROETHANE
           0.880 0.844 0.820 0.880 0.902 0.873 0.861 0.871 0.855   0.865    2.75
 86)  1,2,3-TRICHLOROPROPANE
           0.732 0.681 0.669 0.721 0.728 0.708 0.696 0.712 0.696   0.705    3.01
 87)  4-BROMOFLUOROBENZENE
           0.739 0.729 0.746 0.759 0.772 0.768 0.784 0.800 0.786   0.765    3.08
 88)  ISOPROPYLBENZENE
                 0.478 0.450 0.468 0.465 0.452 0.447 0.456 0.445   0.458    2.53
 89)  BROMOBENZENE
           0.944 0.876 0.847 0.871 0.904 0.875 0.868 0.895 0.879   0.884    3.10
 90)  2-CHLOROTOLUENE
                 0.404 0.402 0.426 0.423 0.415 0.412 0.427 0.423   0.416    2.34
 91)  N-PROPYLBENZENE
                 0.391 0.412 0.472 0.486 0.474 0.474 0.488 0.479   0.460    7.98
 92)  4-ETHYLTOLUENE
           1.536 1.474 1.495 1.625 1.754 1.692 1.716 1.763 1.742   1.644    7.01
 93)  1,3,5-TRIMETHYLBENZENE
           1.303 1.353 1.335 1.459 1.492 1.446 1.442 1.475 1.445   1.417    4.78
 94)  ALPHA-METHYLSTYRENE
           0.640 0.575 0.577 0.661 0.735 0.733 0.732 0.748 0.740   0.682   10.40
 95)  TERT-BUTYLBENZENE
                 0.337 0.345 0.363 0.362 0.349 0.346 0.346 0.336   0.348    2.87
 96)  1,2,4-TRIMETHYLBENZENE
           1.385 1.395 1.349 1.409 1.506 1.460 1.443 1.472 1.428   1.427    3.40
 97)  BENZYL CHLORIDE
           0.692 0.646 0.661 0.709 0.929 1.024 1.091 1.200 1.209   0.907   25.82
 98)  M-DICHLOROBENZENE
           0.873 0.861 0.819 0.881 0.935 0.931 0.923 0.939 0.920   0.898    4.62
 99)  P-DICHLOROBENZENE
           0.880 0.805 0.824 0.878 0.931 0.919 0.914 0.940 0.918   0.890    5.35
100)  O-DICHLOROBENZENE
           0.937 0.750 0.816 0.862 0.899 0.880 0.875 0.890 0.862   0.863    6.21
101)  SEC-BUTYLBENZENE
                 0.396 0.427 0.436 0.453 0.433 0.425 0.427 0.416   0.427    3.88
102)  1,2,3-TRIMETHYLBENZENE
           1.521 1.386 1.403 1.439 1.502 1.454 1.432 1.482 1.438   1.451    3.06
103)  P-ISOPROPYLTOLUENE
                 0.428 0.445 0.477 0.488 0.472 0.464 0.463 0.447   0.460    4.21
104)  N-BUTYLBENZENE
                 0.337 0.349 0.402 0.443 0.450 0.457 0.471 0.458   0.421   12.37
105)  HEXACHLOROETHANE
                 0.469 0.470 0.504 0.522 0.524 0.541 0.576 0.568   0.522    7.70
106)  HEXACHLOROBUTADIENE
           0.832 0.779 0.721 0.755 0.715 0.701 0.727 0.791 0.786   0.756    5.79
107)  1,2,4-TRICHLOROBENZENE
           0.651 0.456 0.445 0.466 0.597 0.659 0.742 0.897 0.935   0.650   28.14
108)  NAPHTHALENE
           1.911 1.165 1.093 1.206 1.603 1.742 1.958 2.337 2.402   1.713   28.59

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
           1.148 1.113 0.975 0.928 0.977 0.927 0.894 0.895 0.866   0.969 E1   10.19
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W0138.M         Fri Sep 22 15:27:51 2023
```

Initial Calibration Verification

Job Number: JD81245 **Sample:** V7W138-ICV0138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03363.D
Project: EPT, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w03363.D Vial: 4
Acq On : 22 Sep 2023 2:06 pm Operator: thomash
Sample : icv0138-10 Inst : MS7W
Misc : MS73305,v7w0138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W0138.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Fri Sep 22 15:18:28 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	104	0.00	3.44
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.963	0.970	-0.7	103	0.00	1.74
4	T	CHLORODIFLUOROMETHANE	0.410	0.414	-1.0	102	0.00	1.75
5	T	CHLOROTRIFLUOROETHENE	1.960	2.024	-3.3	107	0.00	1.76
6	T	DICHLORODIFLUOROMETHANE	4.155	4.063	2.2	101	0.00	1.78
7	T	PROPYLENE	1.660	1.612	2.9	101	0.00	1.76
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.166	3.264	-3.1	107	0.00	1.82
9	T	FREON 114	3.317	3.211	3.2	100	0.00	1.86
10	T	CHLOROMETHANE	0.553	0.539	2.5	99	0.00	1.83
11	T	VINYL CHLORIDE	1.595	1.592	0.2	101	0.00	1.89
12	t	1,3-BUTADIENE	1.428	1.414	1.0	101	0.00	1.93
13	T	N-BUTANE	3.097	3.020	2.5	102	0.00	1.95
14	T	BROMOMETHANE	1.165	1.135	2.6	100	0.00	2.02
15	T	CHLOROETHANE	0.820	0.815	0.6	103	0.00	2.07
16	T	DICHLOROFLUOROMETHANE	3.124	3.006	3.8	99	0.00	2.09
17	T	ACETONITRILE	1.955	1.772	9.4	95	0.00	2.16
18	T	ACROLEIN	0.884	0.788	10.9	92	0.00	2.21
19	T	FREON 123	2.915	2.987	-2.5	106	0.00	2.22
20	T	FREON 123A	1.667	1.826	-9.5	114	0.00	2.24
21	T	TRICHLOROFLUOROMETHANE	3.584	3.523	1.7	101	0.00	2.31
22	T	ISOPROPYL ALCOHOL	4.210	4.023	4.4	99	0.00	2.33
23	T	ACETONE	1.038	0.870	16.2	101	0.00	2.25
24	T	PENTANE	2.032	2.045	-0.6	102	0.00	2.43
25	T	IODOMETHANE	3.056	2.954	3.3	100	0.00	2.49
26	T	1,1-DICHLOROETHYLENE	1.173	1.170	0.3	104	0.00	2.52
27	T	CARBON DISULFIDE	3.104	3.261	-5.1	109	0.00	2.65
28	T	ETHANOL	1.135	0.892	21.4	91	0.00	2.10
29	T	BROMOETHENE	1.137	1.145	-0.7	104	0.00	2.17
30	T	ACRYLONITRILE	1.399	1.354	3.2	98	0.00	2.40
31	T	METHYLENE CHLORIDE	1.081	1.033	4.4	103	0.00	2.55
32	T	3-CHLOROPROPENE	0.622	0.591	5.0	101	0.00	2.60
33	T	FREON 113	1.896	1.917	-1.1	102	0.00	2.65
34	T	TRANS-1,2-DICHLOROETHENE	1.376	1.413	-2.7	105	0.00	2.89
35	T	TERTIARY BUTYL ALCOHOL	3.902	3.326	14.8	88	0.00	2.53
36	t	METHYL TERTIARY BUTYL ETH	4.244	4.127	2.8	101	0.00	3.01
37	T	TETRAHYDROFURAN	0.706	0.665	5.8	96	0.00	3.74
38	T	HEXANE	3.097	3.094	0.1	104	0.00	3.50
39	T	VINYL ACETATE	0.375	0.378	-0.8	102	0.00	3.05
40	T	1,1-DICHLOROETHANE	3.023	2.977	1.5	101	0.00	2.97
41	T	METHYL ETHYL KETONE	0.781	0.746	4.5	102	0.00	3.15
42	T	CIS-1,2-DICHLOROETHENE	1.482	1.471	0.7	101	0.00	3.36

Initial Calibration Verification

Job Number: JD81245 **Sample:** V7W138-ICV0138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03363.D
Project: EPT, Ithaca, NY

43	T	DIISOPROPYL ETHER	0.897	0.889	0.9	101	0.00	3.50
44	T	ETHYL ACETATE	0.538	0.592	-10.0	111	0.00	3.51
45	T	METHYL ACRYLATE	3.905	3.966	-1.6	102	0.00	3.49
46	T	CHLOROFORM	2.941	2.910	1.1	101	0.00	3.52
47	T	2,4-DIMETHYLPENTANE	3.712	3.614	2.6	101	0.00	4.04
48	T	1,1,1-TRICHLOROETHANE	3.057	3.030	0.9	103	0.00	4.12
49	T	CARBON TETRACHLORIDE	3.116	3.203	-2.8	103	0.00	4.57
50	T	1,2-DICHLOROETHANE	2.401	2.364	1.5	102	0.00	3.95
51	t	BENZENE	4.552	4.316	5.2	101	0.00	4.45
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	0.00	4.79
53	T	CYCLOHEXANE	0.374	0.371	0.8	101	0.00	4.67
54	T	2,3-DIMETHYLPENTANE	0.205	0.200	2.4	100	0.00	4.94
55	T	TRICHLOROETHENE	0.385	0.381	1.0	102	0.00	5.39
56	T	1,2-DICHLOROPROPANE	0.386	0.383	0.8	101	0.00	5.15
57	T	DIBROMOMETHANE	0.350	0.338	3.4	102	0.00	5.10
58	T	ETHYL ACRYLATE	0.952	0.957	-0.5	100	0.00	5.27
59	T	BROMODICHLOROMETHANE	0.626	0.630	-0.6	101	0.00	5.33
60	T	2,2,4-TRIMETHYLPENTANE	1.934	1.887	2.4	101	0.00	5.49
61	T	1,4-DIOXANE	0.201	0.196	2.5	95	0.00	5.41
62	T	HEPTANE	0.765	0.762	0.4	101	0.00	5.81
63	T	METHYL METHACRYLATE	0.354	0.333	5.9	97	0.00	5.71
64	T	METHYL ISOBUTYL KETONE	0.395	0.381	3.5	97	0.00	6.47
65	T	CIS-1,3-DICHLOROPROPENE	0.507	0.535	-5.5	109	0.00	6.36
66	T	TOLUENE	1.079	1.037	3.9	100	0.00	7.60
67	T	1,3-DICHLOROPROPANE	0.531	0.528	0.6	101	0.00	7.66
68	T	TRANS-1,3-DICHLOROPROPENE	0.459	0.466	-1.5	103	0.00	7.06
69	T	1,1,2-TRICHLOROETHANE	0.303	0.298	1.7	101	0.00	7.22
70	T	2-HEXANONE	0.600	0.540	10.0	94	0.00	8.20
71	T	ETHYL METHACRYLATE	0.584	0.569	2.6	100	0.00	8.32
72	T	TETRACHLOROETHENE	0.416	0.390	6.2	98	0.00	9.38
73	T	DIBROMOCHLOROMETHANE	0.599	0.610	-1.8	102	0.00	8.15
74	T	1,2-DIBROMOETHANE	0.539	0.537	0.4	100	0.00	8.51
75	T	OCTANE	1.090	1.051	3.6	99	0.00	9.52
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	100	0.00	10.52
77	T	1,1,1,2-TETRACHLOROETHANE	0.505	0.500	1.0	99	0.00	10.61
78	T	CHLOROBENZENE	0.943	0.920	2.4	99	0.00	10.61
79	t	ETHYLBENZENE	1.557	1.551	0.4	100	0.00	11.50
80	t	M,P-XYLENE	1.218	1.215	0.2	100	0.00	11.94
81	t	O-XYLENE	1.248	1.232	1.3	99	0.00	12.88
82	T	STYRENE	0.881	0.899	-2.0	99	0.00	12.66
83	T	NONANE	1.227	1.225	0.2	99	0.00	14.00
84	T	BROMOFORM	0.592	0.623	-5.2	101	0.00	11.74
85	T	1,1,2,2-TETRACHLOROETHANE	0.865	0.874	-1.0	101	0.00	12.88
86	T	1,2,3-TRICHLOROPROPANE	0.705	0.698	1.0	99	0.00	13.17
87	S	4-BROMOFLUOROBENZENE	0.765	0.777	-1.6	102	0.00	13.93
88	T	ISOPROPYLBENZENE	0.458	0.453	1.1	101	0.00	14.41
89	T	BROMOBENZENE	0.884	0.865	2.1	99	0.00	14.28
90	T	2-CHLOROTOLUENE	0.416	0.412	1.0	100	0.00	15.42
91	T	N-PROPYLBENZENE	0.460	0.472	-2.6	100	0.00	15.76
92	T	4-ETHYLTOLUENE	1.644	1.710	-4.0	102	0.00	16.14
93	T	1,3,5-TRIMETHYLBENZENE	1.417	1.452	-2.5	101	0.00	16.30
94	T	ALPHA-METHYLSTYRENE	0.682	0.712	-4.4	98	0.00	16.50
95	T	TERT-BUTYLBENZENE	0.348	0.353	-1.4	101	0.00	16.76
96	T	1,2,4-TRIMETHYLBENZENE	1.427	1.459	-2.2	100	0.00	16.77
97	T	BENZYL CHLORIDE	0.907	0.983	-8.4	96	0.00	16.85
98	T	M-DICHLOROBENZENE	0.898	0.919	-2.3	99	0.00	16.82
99	T	P-DICHLOROBENZENE	0.890	0.909	-2.1	99	0.00	16.91
100	T	O-DICHLOROBENZENE	0.863	0.866	-0.3	99	0.00	17.20

Initial Calibration Verification

Job Number: JD81245 **Sample:** V7W138-ICV0138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03363.D
Project: EPT, Ithaca, NY

101	T	SEC-BUTYLBENZENE	0.427	0.438	-2.6	101	0.00	17.04
102	T	1,2,3-TRIMETHYLBENZENE	1.451	1.410	2.8	97	0.00	17.15
103	T	P-ISOPROPYLTOLUENE	0.460	0.475	-3.3	101	0.00	17.22
104	T	N-BUTYLBENZENE	0.421	0.444	-5.5	99	0.00	17.56
105	T	HEXACHLOROETHANE	0.522	0.543	-4.0	104	0.00	17.74
106	T	HEXACHLOROBUTADIENE	0.756	0.702	7.1	101	0.00	18.78
107	T	1,2,4-TRICHLOROBENZENE	0.650	0.626	3.7	95	0.00	18.48
108	T	NAPHTHALENE	1.713	1.653	3.5	95	0.00	18.52
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	104	0.00	3.44
110		TVHC as equiv Pentane	9.691	9.361	3.4	105	0.00	2.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w03347.D M7W0138.M Fri Sep 22 15:27:31 2023

Continuing Calibration Summary

Job Number: JD81245 **Sample:** V7W151-CC138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03732.D
Project: EPT, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w03732.D Vial: 2
Acq On : 6 Oct 2023 9:16 am Operator: taylors
Sample : cc138-10 Inst : MS7W
Misc : MS73775,v7w0151,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W0138.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Fri Sep 22 15:18:28 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	92	0.00	3.44
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.963	0.966	-0.3	92	0.00	1.74
4	T	CHLORODIFLUOROMETHANE	0.410	0.458	-11.7	101	0.00	1.75
5	T	CHLOROTRIFLUOROETHENE	1.960	1.782	9.1	84	0.00	1.76
6	T	DICHLORODIFLUOROMETHANE	4.155	4.605	-10.8	102	0.00	1.78
7	T	PROPYLENE	1.660	1.826	-10.0	102	0.00	1.76
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.166	3.824	-20.8	111	0.00	1.82
9	T	FREON 114	3.317	3.716	-12.0	103	0.00	1.86
10	T	CHLOROMETHANE	0.553	0.686	-24.1	113	0.00	1.83
11	T	VINYL CHLORIDE	1.595	1.803	-13.0	102	0.00	1.89
12	t	1,3-BUTADIENE	1.428	1.715	-20.1	109	0.00	1.93
13	T	N-BUTANE	3.097	4.034	-30.3#	121	0.00	1.95
14	T	BROMOMETHANE	1.165	1.229	-5.5	97	0.00	2.01
15	T	CHLOROETHANE	0.820	0.898	-9.5	101	0.00	2.06
16	T	DICHLOROFLUOROMETHANE	3.124	3.581	-14.6	105	0.00	2.09
17	T	ACETONITRILE	1.955	2.576	-31.8#	123	0.00	2.16
18	T	ACROLEIN	0.884	1.034	-17.0	108	0.00	2.21
19	T	FREON 123	2.915	3.203	-9.9	101	0.00	2.22
20	T	FREON 123A	1.667	1.652	0.9	92	0.00	2.24
21	T	TRICHLOROFLUOROMETHANE	3.584	3.930	-9.7	100	0.00	2.31
22	T	ISOPROPYL ALCOHOL	4.210	5.422	-28.8	118	0.00	2.33
23	T	ACETONE	1.038	1.010	2.7	104	0.00	2.25
24	T	PENTANE	2.032	2.853	-40.4#	127	0.00	2.43
25	T	IODOMETHANE	3.056	2.995	2.0	91	0.00	2.49
26	T	1,1-DICHLOROETHYLENE	1.173	1.251	-6.6	100	0.00	2.51
27	T	CARBON DISULFIDE	3.104	3.455	-11.3	103	0.00	2.65
28	T	ETHANOL	1.135	1.313	-15.7	120	0.00	2.10
29	T	BROMOETHENE	1.137	1.177	-3.5	95	0.00	2.17
30	T	ACRYLONITRILE	1.399	1.745	-24.7	113	0.00	2.40
31	T	METHYLENE CHLORIDE	1.081	1.187	-9.8	105	0.00	2.55
32	T	3-CHLOROPROPENE	0.622	0.657	-5.6	100	0.00	2.60
33	T	FREON 113	1.896	1.951	-2.9	93	0.00	2.65
34	T	TRANS-1,2-DICHLOROETHENE	1.376	1.467	-6.6	97	0.00	2.89
35	T	TERTIARY BUTYL ALCOHOL	3.902	4.573	-17.2	108	0.00	2.53
36	t	METHYL TERTIARY BUTYL ETH	4.244	4.607	-8.6	101	0.00	3.01
37	T	TETRAHYDROFURAN	0.706	0.812	-15.0	104	0.00	3.75
38	T	HEXANE	3.097	3.580	-15.6	107	0.00	3.50
39	T	VINYL ACETATE	0.375	0.426	-13.6	103	0.00	3.05
40	T	1,1-DICHLOROETHANE	3.023	3.441	-13.8	104	0.00	2.98
41	T	METHYL ETHYL KETONE	0.781	0.848	-8.6	103	0.00	3.15
42	T	CIS-1,2-DICHLOROETHENE	1.482	1.591	-7.4	98	0.00	3.36

Continuing Calibration Summary

Job Number: JD81245 **Sample:** V7W151-CC138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03732.D
Project: EPT, Ithaca, NY

43	T	DIISOPROPYL ETHER	0.897	1.064	-18.6	108	0.00	3.51
44	T	ETHYL ACETATE	0.538	0.636	-18.2	106	0.00	3.51
45	T	METHYL ACRYLATE	3.905	4.798	-22.9	110	0.00	3.49
46	T	CHLOROFORM	2.941	3.460	-17.6	107	0.00	3.52
47	T	2,4-DIMETHYLPENTANE	3.712	4.147	-11.7	103	0.00	4.04
48	T	1,1,1-TRICHLOROETHANE	3.057	3.376	-10.4	102	0.00	4.13
49	T	CARBON TETRACHLORIDE	3.116	3.435	-10.2	98	0.00	4.57
50	T	1,2-DICHLOROETHANE	2.401	2.817	-17.3	109	0.00	3.95
51	t	BENZENE	4.552	4.904	-7.7	102	0.00	4.45
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	4.79
53	T	CYCLOHEXANE	0.374	0.408	-9.1	98	0.00	4.67
54	T	2,3-DIMETHYLPENTANE	0.205	0.230	-12.2	101	0.00	4.94
55	T	TRICHLOROETHENE	0.385	0.424	-10.1	100	0.00	5.39
56	T	1,2-DICHLOROPROPANE	0.386	0.453	-17.4	105	0.00	5.15
57	T	DIBROMOMETHANE	0.350	0.356	-1.7	95	0.00	5.11
58	T	ETHYL ACRYLATE	0.952	1.164	-22.3	107	0.00	5.27
59	T	BROMODICHLOROMETHANE	0.626	0.759	-21.2	107	0.00	5.33
60	T	2,2,4-TRIMETHYLPENTANE	1.934	2.233	-15.5	105	0.00	5.49
61	T	1,4-DIOXANE	0.201	0.244	-21.4	104	0.00	5.41
62	T	HEPTANE	0.765	0.989	-29.3	115	0.00	5.82
63	T	METHYL METHACRYLATE	0.354	0.404	-14.1	104	0.00	5.71
64	T	METHYL ISOBUTYL KETONE	0.395	0.457	-15.7	103	0.00	6.47
65	T	CIS-1,3-DICHLOROPROPENE	0.507	0.575	-13.4	102	0.00	6.36
66	T	TOLUENE	1.079	1.172	-8.6	100	0.00	7.60
67	T	1,3-DICHLOROPROPANE	0.531	0.613	-15.4	103	0.00	7.67
68	T	TRANS-1,3-DICHLOROPROPENE	0.459	0.537	-17.0	104	0.00	7.06
69	T	1,1,2-TRICHLOROETHANE	0.303	0.354	-16.8	105	0.00	7.22
70	T	2-HEXANONE	0.600	0.665	-10.8	102	0.00	8.20
71	T	ETHYL METHACRYLATE	0.584	0.673	-15.2	104	0.00	8.32
72	T	TETRACHLOROETHENE	0.416	0.413	0.7	91	0.00	9.37
73	T	DIBROMOCHLOROMETHANE	0.599	0.680	-13.5	100	0.00	8.15
74	T	1,2-DIBROMOETHANE	0.539	0.615	-14.1	101	0.00	8.50
75	T	OCTANE	1.090	1.412	-29.5	116	0.00	9.52
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	91	0.00	10.53
77	T	1,1,1,2-TETRACHLOROETHANE	0.505	0.519	-2.8	94	0.00	10.61
78	T	CHLOROBENZENE	0.943	0.954	-1.2	94	0.00	10.61
79	t	ETHYLBENZENE	1.557	1.699	-9.1	99	0.00	11.50
80	t	M,P-XYLENE	1.218	1.325	-8.8	99	0.00	11.93
81	t	O-XYLENE	1.248	1.371	-9.9	100	0.00	12.88
82	T	STYRENE	0.881	0.985	-11.8	98	0.00	12.66
83	T	NONANE	1.227	1.626	-32.5#	119	0.00	14.00
84	T	BROMOFORM	0.592	0.684	-15.5	100	0.00	11.75
85	T	1,1,2,2-TETRACHLOROETHANE	0.865	1.047	-21.0	109	0.00	12.89
86	T	1,2,3-TRICHLOROPROPANE	0.705	0.818	-16.0	105	0.00	13.18
87	S	4-BROMOFLUOROBENZENE	0.765	0.798	-4.3	95	0.00	13.93
88	T	ISOPROPYLBENZENE	0.458	0.475	-3.7	96	0.00	14.41
89	T	BROMOBENZENE	0.884	1.006	-13.8	105	0.00	14.28
90	T	2-CHLOROTOLUENE	0.416	0.430	-3.4	94	0.00	15.42
91	T	N-PROPYLBENZENE	0.460	0.495	-7.6	95	0.00	15.76
92	T	4-ETHYLTOLUENE	1.644	1.875	-14.1	101	0.00	16.14
93	T	1,3,5-TRIMETHYLBENZENE	1.417	1.613	-13.8	102	0.00	16.30
94	T	ALPHA-METHYLSTYRENE	0.682	0.770	-12.9	96	0.00	16.50
95	T	TERT-BUTYLBENZENE	0.348	0.360	-3.4	94	0.00	16.76
96	T	1,2,4-TRIMETHYLBENZENE	1.427	1.665	-16.7	104	0.00	16.77
97	T	BENZYL CHLORIDE	0.907	1.228	-35.4#	109	0.00	16.85
98	T	M-DICHLOROBENZENE	0.898	0.971	-8.1	95	0.00	16.83
99	T	P-DICHLOROBENZENE	0.890	0.965	-8.4	96	0.00	16.91
100	T	O-DICHLOROBENZENE	0.863	0.942	-9.2	98	0.00	17.21

Continuing Calibration Summary

Job Number: JD81245 **Sample:** V7W151-CC138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03732.D
Project: EPT, Ithaca, NY

101	T	SEC-BUTYLBENZENE	0.427	0.448	-4.9	94	0.00	17.04
102	T	1,2,3-TRIMETHYLBENZENE	1.451	1.655	-14.1	104	0.00	17.15
103	T	P-ISOPROPYLTOLUENE	0.460	0.492	-7.0	95	0.00	17.22
104	T	N-BUTYLBENZENE	0.421	0.460	-9.3	93	0.00	17.57
105	T	HEXACHLOROETHANE	0.522	0.610	-16.9	106	0.00	17.75
106	T	HEXACHLOROBUTADIENE	0.756	0.791	-4.6	103	0.00	18.79
107	T	1,2,4-TRICHLOROBENZENE	0.650	0.720	-10.8	100	0.00	18.48
108	T	NAPHTHALENE	1.713	1.862	-8.7	97	0.00	18.53
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	92	0.00	3.44
110		TVHC as equiv Pentane	9.691	12.922	-33.3#	129	0.00	2.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w03347.D M7W0138.M Fri Oct 06 15:37:02 2023

Continuing Calibration Summary

Job Number: JD81245 **Sample:** V7W152-CC138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03778.D
Project: EPT, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w03778.D Vial: 2
Acq On : 7 Oct 2023 2:28 pm Operator: taylors
Sample : cc138-10 Inst : MS7W
Misc : MS73775,v7w0152,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W0138.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Fri Sep 22 15:18:28 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	103	0.00	3.44
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.963	1.098	-14.0	117	0.00	1.74
4	T	CHLORODIFLUOROMETHANE	0.410	0.500	-22.0	123	0.00	1.75
5	T	CHLOROTRIFLUOROETHENE	1.960	1.955	0.3	103	0.00	1.77
6	T	DICHLORODIFLUOROMETHANE	4.155	4.739	-14.1	118	0.00	1.78
7	T	PROPYLENE	1.660	2.090	-25.9	130	0.00	1.76
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.166	3.860	-21.9	126	0.00	1.82
9	T	FREON 114	3.317	3.640	-9.7	113	0.00	1.86
10	T	CHLOROMETHANE	0.553	0.682	-23.3	125	0.00	1.83
11	T	VINYL CHLORIDE	1.595	1.851	-16.1	117	0.00	1.89
12	t	1,3-BUTADIENE	1.428	1.758	-23.1	125	0.00	1.94
13	T	N-BUTANE	3.097	4.043	-30.5#	136	0.00	1.95
14	T	BROMOMETHANE	1.165	1.233	-5.8	108	0.00	2.02
15	T	CHLOROETHANE	0.820	0.898	-9.5	113	0.00	2.07
16	T	DICHLOROFLUOROMETHANE	3.124	3.548	-13.6	116	0.00	2.10
17	T	ACETONITRILE	1.955	2.549	-30.4#	136	0.00	2.17
18	T	ACROLEIN	0.884	1.030	-16.5	120	0.00	2.21
19	T	FREON 123	2.915	3.161	-8.4	111	0.00	2.23
20	T	FREON 123A	1.667	1.641	1.6	102	0.00	2.24
21	T	TRICHLOROFLUOROMETHANE	3.584	3.858	-7.6	110	0.00	2.31
22	T	ISOPROPYL ALCOHOL	4.210	5.402	-28.3	132	0.00	2.34
23	T	ACETONE	1.038	1.022	1.5	118	0.00	2.25
24	T	PENTANE	2.032	2.683	-32.0#	133	0.00	2.43
25	T	IODOMETHANE	3.056	2.759	9.7	93	0.00	2.49
26	T	1,1-DICHLOROETHYLENE	1.173	1.140	2.8	101	0.00	2.52
27	T	CARBON DISULFIDE	3.104	3.120	-0.5	104	0.00	2.66
28	T	ETHANOL	1.135	1.339	-18.0	136	0.00	2.10
29	T	BROMOETHENE	1.137	1.136	0.1	103	0.00	2.18
30	T	ACRYLONITRILE	1.399	1.687	-20.6	122	0.00	2.40
31	T	METHYLENE CHLORIDE	1.081	1.073	0.7	106	0.00	2.56
32	T	3-CHLOROPROPENE	0.622	0.606	2.6	103	0.00	2.60
33	T	FREON 113	1.896	1.799	5.1	96	0.00	2.66
34	T	TRANS-1,2-DICHLOROETHENE	1.376	1.522	-10.6	113	0.00	2.90
35	T	TERTIARY BUTYL ALCOHOL	3.902	4.402	-12.8	117	0.00	2.54
36	t	METHYL TERTIARY BUTYL ETH	4.244	4.780	-12.6	117	0.00	3.02
37	T	TETRAHYDROFURAN	0.706	0.829	-17.4	119	0.00	3.75
38	T	HEXANE	3.097	3.785	-22.2	127	0.00	3.50
39	T	VINYL ACETATE	0.375	0.449	-19.7	121	0.00	3.05
40	T	1,1-DICHLOROETHANE	3.023	3.603	-19.2	122	0.00	2.98
41	T	METHYL ETHYL KETONE	0.781	0.880	-12.7	119	0.00	3.15
42	T	CIS-1,2-DICHLOROETHENE	1.482	1.658	-11.9	114	0.00	3.36

Continuing Calibration Summary

Job Number: JD81245 **Sample:** V7W152-CC138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03778.D
Project: EPT, Ithaca, NY

43	T	DIISOPROPYL ETHER	0.897	1.104	-23.1	125	0.00	3.51
44	T	ETHYL ACETATE	0.538	0.687	-27.7	128	0.00	3.51
45	T	METHYL ACRYLATE	3.905	5.055	-29.4	129	0.00	3.50
46	T	CHLOROFORM	2.941	3.491	-18.7	121	0.00	3.52
47	T	2,4-DIMETHYLPENTANE	3.712	4.418	-19.0	123	0.00	4.05
48	T	1,1,1-TRICHLOROETHANE	3.057	3.520	-15.1	119	0.00	4.13
49	T	CARBON TETRACHLORIDE	3.116	3.466	-11.2	111	0.00	4.57
50	T	1,2-DICHLOROETHANE	2.401	2.886	-20.2	124	0.00	3.96
51	t	BENZENE	4.552	5.072	-11.4	118	0.00	4.45
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	100	0.00	4.79
53	T	CYCLOHEXANE	0.374	0.437	-16.8	116	0.00	4.68
54	T	2,3-DIMETHYLPENTANE	0.205	0.240	-17.1	116	0.00	4.94
55	T	TRICHLOROETHENE	0.385	0.443	-15.1	115	0.00	5.39
56	T	1,2-DICHLOROPROPANE	0.386	0.482	-24.9	124	0.00	5.15
57	T	DIBROMOMETHANE	0.350	0.367	-4.9	108	0.00	5.11
58	T	ETHYL ACRYLATE	0.952	1.258	-32.1#	128	0.00	5.27
59	T	BROMODICHLOROMETHANE	0.626	0.787	-25.7	123	0.00	5.33
60	T	2,2,4-TRIMETHYLPENTANE	1.934	2.402	-24.2	125	0.00	5.49
61	T	1,4-DIOXANE	0.201	0.250	-24.4	118	0.00	5.41
62	T	HEPTANE	0.765	1.070	-39.9#	138	0.00	5.82
63	T	METHYL METHACRYLATE	0.354	0.424	-19.8	120	0.00	5.71
64	T	METHYL ISOBUTYL KETONE	0.395	0.492	-24.6	122	0.00	6.48
65	T	CIS-1,3-DICHLOROPROPENE	0.507	0.607	-19.7	120	0.00	6.36
66	T	TOLUENE	1.079	1.225	-13.5	115	0.00	7.61
67	T	1,3-DICHLOROPROPANE	0.531	0.648	-22.0	121	0.00	7.67
68	T	TRANS-1,3-DICHLOROPROPENE	0.459	0.564	-22.9	121	0.00	7.06
69	T	1,1,2-TRICHLOROETHANE	0.303	0.367	-21.1	121	0.00	7.23
70	T	2-HEXANONE	0.600	0.710	-18.3	120	0.00	8.20
71	T	ETHYL METHACRYLATE	0.584	0.710	-21.6	121	0.00	8.32
72	T	TETRACHLOROETHENE	0.416	0.417	-0.2	102	0.00	9.38
73	T	DIBROMOCHLOROMETHANE	0.599	0.685	-14.4	112	0.00	8.15
74	T	1,2-DIBROMOETHANE	0.539	0.626	-16.1	114	0.00	8.51
75	T	OCTANE	1.090	1.519	-39.4#	139	0.00	9.52
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	10.53
77	T	1,1,1,2-TETRACHLOROETHANE	0.505	0.524	-3.8	107	0.00	10.62
78	T	CHLOROBENZENE	0.943	0.954	-1.2	106	0.00	10.60
79	t	ETHYLBENZENE	1.557	1.743	-11.9	116	0.00	11.50
80	t	M,P-XYLENE	1.218	1.359	-11.6	115	0.00	11.94
81	t	O-XYLENE	1.248	1.399	-12.1	116	0.00	12.88
82	T	STYRENE	0.881	0.979	-11.1	110	0.00	12.67
83	T	NONANE	1.227	1.711	-39.4#	142#	0.00	14.00
84	T	BROMOFORM	0.592	0.692	-16.9	115	0.00	11.75
85	T	1,1,2,2-TETRACHLOROETHANE	0.865	1.049	-21.3	124	0.00	12.89
86	T	1,2,3-TRICHLOROPROPANE	0.705	0.835	-18.4	122	0.00	13.18
87	S	4-BROMOFLUOROBENZENE	0.765	0.826	-8.0	111	0.00	13.93
88	T	ISOPROPYLBENZENE	0.458	0.478	-4.4	109	0.00	14.41
89	T	BROMOBENZENE	0.884	1.024	-15.8	121	0.00	14.28
90	T	2-CHLOROTOLUENE	0.416	0.430	-3.4	107	0.00	15.42
91	T	N-PROPYLBENZENE	0.460	0.490	-6.5	107	0.00	15.76
92	T	4-ETHYLTOLUENE	1.644	1.882	-14.5	115	0.00	16.14
93	T	1,3,5-TRIMETHYLBENZENE	1.417	1.568	-10.7	112	0.00	16.30
94	T	ALPHA-METHYLSTYRENE	0.682	0.764	-12.0	108	0.00	16.50
95	T	TERT-BUTYLBENZENE	0.348	0.349	-0.3	103	0.00	16.76
96	T	1,2,4-TRIMETHYLBENZENE	1.427	1.603	-12.3	113	0.00	16.77
97	T	BENZYL CHLORIDE	0.907	1.248	-37.6#	126	0.00	16.85
98	T	M-DICHLOROBENZENE	0.898	0.947	-5.5	105	0.00	16.83
99	T	P-DICHLOROBENZENE	0.890	0.944	-6.1	106	0.00	16.91
100	T	O-DICHLOROBENZENE	0.863	0.906	-5.0	106	0.00	17.20

Continuing Calibration Summary

Job Number: JD81245 **Sample:** V7W152-CC138
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 7W03778.D
Project: EPT, Ithaca, NY

101	T	SEC-BUTYLBENZENE	0.427	0.434	-1.6	103	0.00	17.04
102	T	1,2,3-TRIMETHYLBENZENE	1.451	1.595	-9.9	113	0.00	17.15
103	T	P-ISOPROPYLTOLUENE	0.460	0.476	-3.5	104	0.00	17.22
104	T	N-BUTYLBENZENE	0.421	0.449	-6.7	103	0.00	17.56
105	T	HEXACHLOROETHANE	0.522	0.598	-14.6	118	0.00	17.74
106	T	HEXACHLOROBUTADIENE	0.756	0.775	-2.5	114	0.00	18.77
107	T	1,2,4-TRICHLOROBENZENE	0.650	0.735	-13.1	115	0.00	18.47
108	T	NAPHTHALENE	1.713	1.852	-8.1	110	0.00	18.52
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	103	0.00	3.44
110		TVHC as equiv Pentane	9.691	11.962	-23.4	133	0.00	2.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w03347.D M7W0138.M Mon Oct 30 14:57:52 2023

Initial Calibration Summary

Job Number: JD81245 **Sample:** V8W124-ICC0124
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 8W03120.D
Project: EPT, Ithaca, NY

Response Factor Report GCMS

Method : C:\msdchem\1\methods\m8w0124.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

Calibration Files
0.04=8w03114.D 0.1 =8w03115.D 0.2 =8w03116.D 0.5 =8w03117.D
5 =8w03119.D 10 =8w03120.D 20 =8w03121.D 40 =8w03122.D
50 =8w03123.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.649	0.759	0.690	0.607	0.609	0.598	0.554	0.519	0.468	0.606	14.50
4) CHLORODIFLUOROMETHANE	0.235	0.284	0.247	0.271	0.262	0.246	0.230	0.213		0.249	9.32
5) CHLOROTRIFLUOROETHENE	1.257	1.247	1.118	1.262	1.236	1.108	1.005	0.902		1.142	11.72
6) DICHLORODIFLUOROMETHANE	1.195	2.167	2.189	2.010	2.168	2.123	1.929	1.669	1.486	1.882	18.86
7) PROPYLENE	0.587	0.617	0.566	0.600	0.577	0.503	0.411	0.350		0.526	18.49
8) 1-CHLORO-1,1-DIFLUOROETHANE	0.794	1.487	1.468	1.370	1.445	1.403	1.278	1.187	1.083	1.279	17.74
9) FREON 114	0.925	1.597	1.689	1.565	1.641	1.595	1.449	1.334	1.210	1.445	17.23
10) CHLOROMETHANE	0.111	0.109	0.101	0.114	0.109	0.097	0.091	0.082		0.102	10.87
11) VINYL CHLORIDE	0.489	0.484	0.449	0.490	0.484	0.439	0.417	0.382		0.454	8.73
12) 1,3-BUTADIENE	0.325	0.336	0.321	0.337	0.334	0.296	0.281	0.258		0.311	9.50
13) N-BUTANE	0.622	0.618	0.524	0.556	0.543	0.474	0.448	0.407		0.524	14.75
14) BROMOMETHANE	0.532	0.516	0.477	0.515	0.503	0.464	0.445	0.417		0.484	8.25
15) CHLOROETHANE	0.279	0.273	0.247	0.270	0.264	0.240	0.229	0.211		0.252	9.52
16) DICHLOROFLUOROMETHANE	1.316	1.330	1.249	1.311	1.281	1.160	1.072	0.978		1.212	10.69
17) ACETONITRILE	0.327	0.309	0.309	0.319	0.307	0.269	0.256	0.234		0.291	11.61
18) ACROLEIN	0.232	0.218	0.208	0.222	0.216	0.192	0.183	0.167		0.205	10.77
19) FREON 123	1.383	1.318	1.234	1.301	1.276	1.154	1.059	0.976		1.213	11.46
20) FREON 123A	0.866	0.880	0.804	0.844	0.832	0.766	0.716	0.670		0.797	9.33
21) TRICHLOROFLUOROMETHANE	1.142	1.992	2.017	1.884	1.988	1.949	1.799	1.662	1.534	1.774	16.25
22) ISOPROPYL ALCOHOL	0.983	0.941	0.813	0.871	0.855	0.766	0.718	0.656		0.825	13.34
23) ACETONE											

		0.289	0.259	0.241	0.228	0.203	0.185	0.170	0.225	18.68
24)	PENTANE										
		0.385	0.378	0.354	0.381	0.366	0.324	0.301	0.277	0.346	11.73
25)	IODOMETHANE										
		0.828	1.474	1.506	1.368	1.488	1.480	1.376	1.323	1.241	1.343	15.82
26)	1,1-DICHLOROETHYLENE										
		0.515	0.555	0.475	0.532	0.516	0.477	0.451	0.424	0.493	8.88
27)	CARBON DISULFIDE										
		0.884	0.888	0.865	1.088	1.113	1.035	0.963	0.886	0.965	10.40
28)	ETHANOL										
			0.233	0.191	0.185	0.160	0.148	0.135	0.175	20.22
29)	BROMOETHENE										
		0.518	0.520	0.473	0.531	0.529	0.486	0.463	0.434	0.494	7.20
30)	ACRYLONITRILE										
		0.358	0.349	0.304	0.314	0.306	0.280	0.265	0.247	0.303	12.68
31)	METHYLENE CHLORIDE										
		0.494	0.482	0.429	0.457	0.448	0.411	0.395	0.370	0.436	9.80
32)	3-CHLOROPROPENE										
		0.190	0.213	0.194	0.228	0.227	0.214	0.208	0.194	0.209	7.11
33)	FREON 113										
		1.065	1.081	0.991	1.042	1.034	0.955	0.911	0.853	0.992	8.05
34)	TRANS-1,2-DICHLOROETHENE										
		0.952	0.797	0.837	0.923	0.896	0.838	0.805	0.739	0.848	8.36
35)	TERTIARY BUTYL ALCOHOL										
		1.096	1.109	1.049	1.117	1.126	1.037	0.965	0.893	1.049	7.89
36)	METHYL TERTIARY BUTYL ETHER										
		1.239	2.397	2.424	2.261	2.609	2.628	2.496	2.356	2.191	2.289	18.33
37)	TETRAHYDROFURAN										
		0.385	0.369	0.381	0.454	0.460	0.428	0.405	0.379	0.408	8.76
38)	HEXANE										
		0.949	1.627	1.574	1.513	1.612	1.501	1.270	1.029	0.905	1.331	22.38
39)	VINYL ACETATE										
		0.180	0.178	0.167	0.232	0.250	0.238	0.231	0.216	0.212	15.08
40)	1,1-DICHLOROETHANE										
		1.027	1.624	1.670	1.618	1.729	1.694	1.570	1.485	1.357	1.530	14.42
41)	METHYL ETHYL KETONE										
		0.472	0.468	0.428	0.486	0.482	0.448	0.420	0.388	0.449	7.71
42)	CIS-1,2-DICHLOROETHENE										
		0.596	0.929	1.007	0.948	1.058	1.053	0.976	0.914	0.844	0.925	15.24
43)	DIISOPROPYL ETHER										
		0.511	0.484	0.450	0.479	0.453	0.387	0.316	0.279	0.420	20.03
44)	ETHYL ACETATE										
		0.243	0.283	0.267	0.297	0.285	0.239	0.195	0.172	0.248	18.06
45)	METHYL ACRYLATE										
		0.928	1.841	1.936	1.761	1.927	1.841	1.601	1.336	1.183	1.595	22.79
46)	CHLOROFORM										
		1.151	2.118	2.086	1.943	2.073	1.999	1.835	1.679	1.547	1.826	17.45
47)	2,4-DIMETHYLPENTANE										
		0.977	1.773	1.780	1.715	1.975	1.941	1.765	1.596	1.447	1.663	18.23
48)	1,1,1-TRICHLOROETHANE										
		0.920	1.783	1.726	1.732	2.026	2.089	2.002	1.941	1.813	1.781	19.61
49)	CARBON TETRACHLORIDE										
		0.839	1.609	1.629	1.634	2.044	2.133	2.050	2.047	1.918	1.767	22.93
50)	1,2-DICHLOROETHANE										
		0.805	1.545	1.524	1.387	1.499	1.478	1.387	1.318	1.226	1.352	17.00
51)	BENZENE										
		1.939	2.788	2.849	2.694	2.897	2.887	2.682	2.544	2.367	2.627	11.81
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------									
53)	CYCLOHEXANE										

		0.120	0.232	0.238	0.234	0.265	0.264	0.251	0.238	0.220	0.229	18.96
54)	2,3-DIMETHYLPENTANE											
		0.118	0.129	0.120	0.135	0.133	0.125	0.117	0.108		0.123	7.37
55)	TRICHLOROETHENE											
		0.150	0.271	0.271	0.257	0.275	0.270	0.259	0.238	0.219	0.245	16.41
56)	1,2-DICHLOROPROPANE											
		0.222	0.228	0.214	0.226	0.219	0.214	0.196	0.181		0.213	7.55
57)	DIBROMOMETHANE											
		0.233	0.274	0.259	0.233	0.250	0.247	0.234	0.224	0.209	0.240	8.14
58)	ETHYL ACRYLATE											
		0.179	0.378	0.389	0.378	0.468	0.468	0.459	0.425	0.391	0.393	22.60
59)	BROMODICHLOROMETHANE											
		0.198	0.346	0.350	0.343	0.435	0.436	0.426	0.407	0.377	0.369	20.16
60)	2,2,4-TRIMETHYLPENTANE											
		0.564	1.010	1.017	0.991	1.050	1.012	0.947	0.845	0.764	0.911	17.56
61)	1,4-DIOXANE											
		0.131	0.139	0.140	0.147	0.142	0.134	0.120	0.110		0.133	9.36
62)	HEPTANE											
		0.163	0.291	0.294	0.294	0.326	0.316	0.296	0.263	0.237	0.276	18.16
63)	METHYL METHACRYLATE											
		0.182	0.189	0.175	0.213	0.214	0.210	0.197	0.183		0.195	7.87
64)	METHYL ISOBUTYL KETONE											
		0.194	0.190	0.180	0.198	0.192	0.186	0.171	0.157		0.183	7.55
65)	CIS-1,3-DICHLOROPROPENE											
		0.208	0.226	0.223	0.300	0.315	0.320	0.312	0.290		0.274	17.06
66)	TOLUENE											
		0.391	0.689	0.662	0.631	0.732	0.724	0.703	0.659	0.613	0.645	16.03
67)	1,3-DICHLOROPROPANE											
		0.177	0.344	0.348	0.336	0.361	0.353	0.346	0.325	0.301	0.321	17.69
68)	TRANS-1,3-DICHLOROPROPENE											
		0.168	0.166	0.164	0.255	0.278	0.292	0.294	0.276		0.237	25.14
69)	1,1,2-TRICHLOROETHANE											
		0.200	0.198	0.201	0.210	0.202	0.203	0.189	0.176		0.198	5.32
70)	2-HEXANONE											
		0.242	0.252	0.241	0.265	0.257	0.251	0.227	0.207		0.243	7.55
71)	ETHYL METHACRYLATE											
		0.274	0.286	0.266	0.338	0.342	0.345	0.327	0.305		0.310	10.27
72)	TETRACHLOROETHENE											
		0.174	0.271	0.288	0.276	0.310	0.291	0.285	0.267	0.248	0.268	14.64
73)	DIBROMOCHLOROMETHANE											
		0.281	0.281	0.292	0.409	0.424	0.434	0.417	0.389		0.366	18.72
74)	1,2-DIBROMOETHANE											
		0.185	0.363	0.362	0.362	0.393	0.387	0.386	0.365	0.340	0.349	18.25
75)	OCTANE											
		0.214	0.380	0.400	0.381	0.483	0.431	0.423	0.379	0.344	0.382	19.46
76)	I CHLOROBENZENE-D5	----------ISTD----------										
77)	1,1,1,2-TETRACHLOROETHANE											
		0.255	0.281	0.264	0.332	0.333	0.316	0.299	0.280		0.295	10.16
78)	CHLOROBENZENE											
		0.383	0.662	0.656	0.616	0.668	0.650	0.594	0.550	0.511	0.588	15.98
79)	ETHYLBENZENE											
		0.508	0.912	0.901	0.888	1.100	1.086	1.012	0.951	0.886	0.916	18.99
80)	M,P-XYLENE											
		0.399	0.669	0.714	0.712	0.867	0.846	0.787	0.741	0.689	0.714	19.10
81)	O-XYLENE											
		0.375	0.712	0.744	0.727	0.880	0.855	0.780	0.724	0.672	0.719	20.25
82)	STYRENE											
		0.267	0.490	0.497	0.504	0.663	0.657	0.610	0.575	0.537	0.533	22.43
83)	NONANE											

Initial Calibration Summary

Job Number: JD81245 **Sample:** V8W124-ICC0124
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 8W03120.D
Project: EPT, Ithaca, NY

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          0.304 0.521 0.531 0.489 0.534 0.513 0.460 0.413 0.375   0.460   17.47
 84)  BROMOFORM
                0.277 0.272 0.278 0.413 0.437 0.438 0.436 0.411   0.370   21.35
 85)  1,1,2,2-TETRACHLOROETHANE
          0.328 0.590 0.605 0.557 0.613 0.586 0.528 0.480 0.440   0.525   17.96
 86)  1,2,3-TRICHLOROPROPANE
          0.258 0.475 0.480 0.438 0.487 0.475 0.440 0.417 0.389   0.429   16.74
 87)  4-BROMOFLUOROBENZENE
          0.768 0.770 0.767 0.764 0.773 0.774 0.776 0.773 0.774   0.771    0.50
 88)  ISOPROPYLBENZENE
                0.263 0.279 0.274 0.329 0.319 0.293 0.275 0.255   0.286    9.17
 89)  BROMOBENZENE
          0.295 0.552 0.563 0.536 0.611 0.594 0.555 0.522 0.487   0.524   17.84
 90)  2-CHLOROTOLUENE
                0.239 0.238 0.238 0.295 0.292 0.273 0.259 0.242   0.260    9.33
 91)  N-PROPYLBENZENE
                0.258 0.277 0.273 0.340 0.332 0.306 0.284 0.265   0.292   10.62
 92)  4-ETHYLTOLUENE
          0.515 0.945 1.009 1.016 1.267 1.220 1.117 1.027 0.943   1.007   21.53
 93)  1,3,5-TRIMETHYLBENZENE
          0.449 0.800 0.852 0.890 1.065 1.019 0.934 0.854 0.789   0.850   20.82
 94)  ALPHA-METHYLSTYRENE
          0.201 0.377 0.414 0.421 0.516 0.499 0.452 0.409 0.382   0.408   22.34
 95)  TERT-BUTYLBENZENE
                0.194 0.218 0.214 0.242 0.219 0.193 0.172 0.160   0.201   13.33
 96)  1,2,4-TRIMETHYLBENZENE
          0.453 0.859 0.937 0.944 1.042 0.973 0.867 0.752 0.689   0.835   21.58
 97)  BENZYL CHLORIDE
                     0.224 0.224 0.403 0.495 0.553 0.605 0.585   0.441   36.87
 98)  M-DICHLOROBENZENE
          0.359 0.647 0.658 0.638 0.690 0.654 0.587 0.530 0.493   0.584   18.21
 99)  P-DICHLOROBENZENE
          0.350 0.652 0.658 0.630 0.693 0.660 0.590 0.538 0.501   0.586   18.44
100)  O-DICHLOROBENZENE
          0.345 0.626 0.642 0.616 0.649 0.606 0.530 0.468 0.433   0.546   19.86
101)  SEC-BUTYLBENZENE
                0.240 0.261 0.262 0.298 0.281 0.248 0.223 0.206   0.252   11.85
102)  1,2,3-TRIMETHYLBENZENE
          0.444 0.832 0.934 0.944 1.062 1.006 0.916 0.833 0.765   0.859   21.06
103)  P-ISOPROPYLTOLUENE
                0.280 0.299 0.305 0.322 0.298 0.259 0.225 0.208   0.274   14.72
104)  N-BUTYLBENZENE
                0.226 0.259 0.260 0.311 0.294 0.262 0.231 0.217   0.257   12.72
105)  HEXACHLOROETHANE
                0.221 0.227 0.236 0.323 0.335 0.319 0.292 0.266   0.277   16.57
106)  HEXACHLOROBUTADIENE
          0.340 0.557 0.531 0.497 0.526 0.523 0.514 0.530 0.513   0.503   12.62
107)  1,2,4-TRICHLOROBENZENE
          0.349 0.507 0.515 0.501 0.617 0.615 0.586 0.599 0.611   0.544   16.16
108)  NAPHTHALENE
          0.772 1.060 1.101 1.129 1.417 1.401 1.318 1.235 1.255   1.188   16.88

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          1.816 2.968 2.448 1.999 2.071 1.994 1.785 1.670 1.531   2.031   21.62
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           m8w0124.M         Thu Dec 21 10:24:08 2023
```

Initial Calibration Verification

Job Number: JD81245 **Sample:** V8W124-ICV0124
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 8W03126.D
Project: EPT, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\8w\8w03126.D Vial: 4
Acq On : 20 Dec 2023 04:21 am Operator: taylors
Sample : icv0124-10 Inst : GCMS
Misc : MS75442,V8W0124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m8w0124.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Dec 21 08:07:01 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	103	0.00	3.48
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.606	0.597	1.5	102	0.00	1.74
4	T	CHLORODIFLUOROMETHANE	0.249	0.259	-4.0	102	0.00	1.75
5	T	CHLOROTRIFLUOROETHENE	1.142	1.264	-10.7	105	0.00	1.76
6	T	DICHLORODIFLUOROMETHANE	1.882	2.059	-9.4	100	0.00	1.78
7	T	PROPYLENE	0.526	0.545	-3.6	97	0.00	1.76
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.279	1.413	-10.5	104	0.00	1.82
9	T	FREON 114	1.445	1.534	-6.2	99	0.00	1.86
10	T	CHLOROMETHANE	0.102	0.104	-2.0	99	0.00	1.83
11	T	VINYL CHLORIDE	0.454	0.465	-2.4	99	0.00	1.89
12	t	1,3-BUTADIENE	0.311	0.316	-1.6	97	0.00	1.93
13	T	N-BUTANE	0.524	0.513	2.1	97	0.00	1.95
14	T	BROMOMETHANE	0.484	0.492	-1.7	100	0.00	2.01
15	T	CHLOROETHANE	0.252	0.257	-2.0	100	0.00	2.06
16	T	DICHLOROFLUOROMETHANE	1.212	1.195	1.4	96	0.00	2.09
17	T	ACETONITRILE	0.291	0.275	5.5	92	0.00	2.16
18	T	ACROLEIN	0.205	0.182	11.2	87	0.00	2.20
19	T	FREON 123	1.213	1.299	-7.1	105	0.00	2.22
20	T	FREON 123A	0.797	0.915	-14.8	113	0.00	2.23
21	T	TRICHLOROFLUOROMETHANE	1.774	1.866	-5.2	98	0.00	2.30
22	T	ISOPROPYL ALCOHOL	0.825	0.862	-4.5	104	0.00	2.32
23	T	ACETONE	0.225	0.227	-0.9	102	0.00	2.24
24	T	PENTANE	0.346	0.353	-2.0	99	0.00	2.42
25	T	IODOMETHANE	1.343	1.428	-6.3	99	0.00	2.48
26	T	1,1-DICHLOROETHYLENE	0.493	0.529	-7.3	106	0.00	2.51
27	T	CARBON DISULFIDE	0.965	1.193	-23.6	110	0.00	2.65
28	T	ETHANOL	0.175	0.157	10.3	87	0.00	2.09
29	T	BROMOETHENE	0.494	0.528	-6.9	103	0.00	2.17
30	T	ACRYLONITRILE	0.303	0.288	5.0	97	0.00	2.39
31	T	METHYLENE CHLORIDE	0.436	0.439	-0.7	101	0.00	2.55
32	T	3-CHLOROPROPENE	0.209	0.224	-7.2	101	0.00	2.59
33	T	FREON 113	0.992	1.023	-3.1	102	0.00	2.65
34	T	TRANS-1,2-DICHLOROETHENE	0.848	0.911	-7.4	105	0.00	2.90
35	T	TERTIARY BUTYL ALCOHOL	1.049	1.022	2.6	93	0.00	2.53
36	t	METHYL TERTIARY BUTYL ETH	2.289	2.629	-14.9	103	0.00	3.03
37	T	TETRAHYDROFURAN	0.408	0.421	-3.2	94	0.00	3.79
38	T	HEXANE	1.331	1.496	-12.4	102	0.00	3.53
39	T	VINYL ACETATE	0.212	0.247	-16.5	102	0.00	3.07
40	T	1,1-DICHLOROETHANE	1.530	1.651	-7.9	100	0.00	2.99
41	T	METHYL ETHYL KETONE	0.449	0.478	-6.5	102	0.00	3.17
42	T	CIS-1,2-DICHLOROETHENE	0.925	1.039	-12.3	101	0.00	3.39

Initial Calibration Verification

Job Number: JD81245 **Sample:** V8W124-ICV0124
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 8W03126.D
Project: EPT, Ithaca, NY

43	T	DIISOPROPYL ETHER	0.420	0.437	-4.0	99	0.00	3.54
44	T	ETHYL ACETATE	0.248	0.302	-21.8	109	0.00	3.54
45	T	METHYL ACRYLATE	1.595	1.811	-13.5	101	0.00	3.53
46	T	CHLOROFORM	1.826	1.969	-7.8	101	0.00	3.56
47	T	2,4-DIMETHYLPENTANE	1.663	1.890	-13.7	100	0.00	4.10
48	T	1,1,1-TRICHLOROETHANE	1.781	2.063	-15.8	102	0.00	4.19
49	T	CARBON TETRACHLORIDE	1.767	2.018	-14.2	97	0.00	4.64
50	T	1,2-DICHLOROETHANE	1.352	1.431	-5.8	100	0.00	4.00
51	t	BENZENE	2.627	2.835	-7.9	101	0.00	4.52
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	102	0.00	4.87
53	T	CYCLOHEXANE	0.229	0.263	-14.8	101	0.00	4.75
54	T	2,3-DIMETHYLPENTANE	0.123	0.132	-7.3	101	0.00	5.03
55	T	TRICHLOROETHENE	0.245	0.270	-10.2	102	0.00	5.49
56	T	1,2-DICHLOROPROPANE	0.213	0.218	-2.3	101	0.00	5.24
57	T	DIBROMOMETHANE	0.240	0.246	-2.5	102	0.00	5.20
58	T	ETHYL ACRYLATE	0.393	0.462	-17.6	100	0.00	5.37
59	T	BROMODICHLOROMETHANE	0.369	0.426	-15.4	99	0.00	5.43
60	T	2,2,4-TRIMETHYLPENTANE	0.911	0.990	-8.7	99	0.00	5.59
61	T	1,4-DIOXANE	0.133	0.133	0.0	95	0.00	5.50
62	T	HEPTANE	0.276	0.322	-16.7	104	0.00	5.93
63	T	METHYL METHACRYLATE	0.195	0.221	-13.3	105	0.00	5.82
64	T	METHYL ISOBUTYL KETONE	0.183	0.205	-12.0	108	0.00	6.59
65	T	CIS-1,3-DICHLOROPROPENE	0.274	0.350	-27.7	113	0.00	6.48
66	T	TOLUENE	0.645	0.757	-17.4	106	0.00	7.76
67	T	1,3-DICHLOROPROPANE	0.321	0.377	-17.4	109	0.00	7.82
68	T	TRANS-1,3-DICHLOROPROPENE	0.237	0.292	-23.2	107	0.00	7.20
69	T	1,1,2-TRICHLOROETHANE	0.198	0.218	-10.1	109	0.00	7.37
70	T	2-HEXANONE	0.243	0.286	-17.7	113	0.00	8.35
71	T	ETHYL METHACRYLATE	0.310	0.373	-20.3	111	0.00	8.48
72	T	TETRACHLOROETHENE	0.268	0.312	-16.4	109	0.00	9.56
73	T	DIBROMOCHLOROMETHANE	0.366	0.439	-19.9	105	0.00	8.32
74	T	1,2-DIBROMOETHANE	0.349	0.410	-17.5	108	0.00	8.67
75	T	OCTANE	0.382	0.450	-17.8	106	0.00	9.70
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	10.72
77	T	1,1,1,2-TETRACHLOROETHANE	0.295	0.322	-9.2	99	0.00	10.81
78	T	CHLOROBENZENE	0.588	0.641	-9.0	101	0.00	10.80
79	t	ETHYLBENZENE	0.916	1.077	-17.6	102	0.00	11.70
80	t	M,P-XYLENE	0.714	0.840	-17.6	102	0.00	12.14
81	t	O-XYLENE	0.719	0.836	-16.3	100	0.00	13.10
82	T	STYRENE	0.533	0.623	-16.9	97	0.00	12.88
83	T	NONANE	0.460	0.487	-5.9	97	0.00	14.23
84	T	BROMOFORM	0.370	0.421	-13.8	99	0.00	11.95
85	T	1,1,2,2-TETRACHLOROETHANE	0.525	0.576	-9.7	101	0.00	13.10
86	T	1,2,3-TRICHLOROPROPANE	0.429	0.463	-7.9	100	0.00	13.39
87	S	4-BROMOFLUOROBENZENE	0.771	0.771	0.0	102	0.00	14.15
88	T	ISOPROPYLBENZENE	0.286	0.316	-10.5	101	0.00	14.63
89	T	BROMOBENZENE	0.524	0.583	-11.3	101	0.00	14.51
90	T	2-CHLOROTOLUENE	0.260	0.289	-11.2	102	0.00	15.65
91	T	N-PROPYLBENZENE	0.292	0.329	-12.7	102	0.00	15.98
92	T	4-ETHYLTOLUENE	1.007	1.208	-20.0	102	0.00	16.27
93	T	1,3,5-TRIMETHYLBENZENE	0.850	1.005	-18.2	101	0.00	16.40
94	T	ALPHA-METHYLSTYRENE	0.408	0.439	-7.6	90	0.00	16.59
95	T	TERT-BUTYLBENZENE	0.201	0.219	-9.0	103	0.00	16.82
96	T	1,2,4-TRIMETHYLBENZENE	0.835	0.964	-15.4	102	0.00	16.83
97	T	BENZYL CHLORIDE	0.441	0.483	-9.5	100	0.00	16.91
98	T	M-DICHLOROBENZENE	0.584	0.640	-9.6	100	0.00	16.89
99	T	P-DICHLOROBENZENE	0.586	0.648	-10.6	101	0.00	16.96
100	T	O-DICHLOROBENZENE	0.546	0.590	-8.1	100	0.00	17.23

Initial Calibration Verification

Job Number: JD81245 **Sample:** V8W124-ICV0124
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 8W03126.D
Project: EPT, Ithaca, NY

101	T	SEC-BUTYLBENZENE	0.252	0.276	-9.5	101	0.00	17.08
102	T	1,2,3-TRIMETHYLBENZENE	0.859	0.969	-12.8	99	0.00	17.18
103	T	P-ISOPROPYLTOLUENE	0.274	0.294	-7.3	101	0.00	17.24
104	T	N-BUTYLBENZENE	0.257	0.286	-11.3	100	0.00	17.57
105	T	HEXACHLOROETHANE	0.277	0.290	-4.7	89	0.00	17.73
106	T	HEXACHLOROBUTADIENE	0.503	0.517	-2.8	101	0.00	18.67
107	T	1,2,4-TRICHLOROBENZENE	0.544	0.603	-10.8	101	0.00	18.40
108	T	NAPHTHALENE	1.188	1.450	-22.1	106	0.00	18.44
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	103	0.00	3.48
110		TVHC as equiv Pentane	2.031	1.939	4.5	100	0.00	2.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8w03120.D m8w0124.M Thu Dec 21 10:24:25 2023

Continuing Calibration Summary

Job Number: JD81245 **Sample:** V8W162-CC124
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 8W04090.D
Project: EPT, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\8w\8w04090.D Vial: 2
Acq On : 30 Jan 2024 01:12 pm Operator: taylors
Sample : cc124-10 Inst : GCMS
Misc : MS77312,V8W0162,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m8w0124.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Dec 21 08:07:01 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	3.48
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.606	0.528	12.9	84	0.00	1.74
4	T	CHLORODIFLUOROMETHANE	0.249	0.229	8.0	83	0.00	1.75
5	T	CHLOROTRIFLUOROETHENE	1.142	1.332	-16.6	102	0.00	1.76
6	T	DICHLORODIFLUOROMETHANE	1.882	2.070	-10.0	92	0.00	1.78
7	T	PROPYLENE	0.526	0.394	25.1	65	0.00	1.76
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.279	1.234	3.5	83	0.00	1.82
9	T	FREON 114	1.445	1.597	-10.5	95	0.00	1.86
10	T	CHLOROMETHANE	0.102	0.103	-1.0	90	0.00	1.83
11	T	VINYL CHLORIDE	0.454	0.466	-2.6	91	0.00	1.89
12	t	1,3-BUTADIENE	0.311	0.318	-2.3	90	0.00	1.93
13	T	N-BUTANE	0.524	0.527	-0.6	92	0.00	1.95
14	T	BROMOMETHANE	0.484	0.588	-21.5	111	0.00	2.01
15	T	CHLOROETHANE	0.252	0.274	-8.7	98	0.00	2.06
16	T	DICHLOROFLUOROMETHANE	1.212	1.260	-4.0	93	0.00	2.09
17	T	ACETONITRILE	0.291	0.317	-8.9	98	0.00	2.16
18	T	ACROLEIN	0.205	0.170	17.1	75	0.00	2.20
19	T	FREON 123	1.213	1.412	-16.4	105	0.00	2.22
20	T	FREON 123A	0.797	0.929	-16.6	106	0.00	2.23
21	T	TRICHLOROFLUOROMETHANE	1.774	1.898	-7.0	92	0.00	2.30
22	T	ISOPROPYL ALCOHOL	0.825	0.796	3.5	88	0.00	2.32
23	T	ACETONE	0.225	0.235	-4.4	97	0.00	2.24
24	T	PENTANE	0.346	0.362	-4.6	94	0.00	2.42
25	T	IODOMETHANE	1.343	1.629	-21.3	104	0.00	2.48
26	T	1,1-DICHLOROETHYLENE	0.493	0.568	-15.2	104	0.00	2.51
27	T	CARBON DISULFIDE	0.965	1.035	-7.3	88	0.00	2.65
28	T	ETHANOL	0.175	0.175	0.0	89	0.00	2.09
29	T	BROMOETHENE	0.494	0.614	-24.3	110	0.00	2.17
30	T	ACRYLONITRILE	0.303	0.296	2.3	92	0.00	2.39
31	T	METHYLENE CHLORIDE	0.436	0.476	-9.2	101	0.00	2.55
32	T	3-CHLOROPROPENE	0.209	0.226	-8.1	94	0.00	2.59
33	T	FREON 113	0.992	1.093	-10.2	100	0.00	2.65
34	T	TRANS-1,2-DICHLOROETHENE	0.848	1.076	-26.9	114	0.00	2.90
35	T	TERTIARY BUTYL ALCOHOL	1.049	0.824	21.4	69	0.00	2.53
36	t	METHYL TERTIARY BUTYL ETH	2.289	2.424	-5.9	87	0.00	3.03
37	T	TETRAHYDROFURAN	0.408	0.466	-14.2	96	0.00	3.79
38	T	HEXANE	1.331	1.142	14.2	72	0.00	3.53
39	T	VINYL ACETATE	0.212	0.275	-29.7	104	0.00	3.07
40	T	1,1-DICHLOROETHANE	1.530	1.553	-1.5	87	0.00	2.99
41	T	METHYL ETHYL KETONE	0.449	0.490	-9.1	96	0.00	3.17
42	T	CIS-1,2-DICHLOROETHENE	0.925	1.099	-18.8	99	0.00	3.39

Continuing Calibration Summary

Job Number: JD81245 **Sample:** V8W162-CC124
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 8W04090.D
Project: EPT, Ithaca, NY

43	T	DIISOPROPYL ETHER	0.420	0.346	17.6	72	0.00	3.54
44	T	ETHYL ACETATE	0.248	0.231	6.9	77	0.00	3.54
45	T	METHYL ACRYLATE	1.595	1.337	16.2	69	0.00	3.53
46	T	CHLOROFORM	1.826	1.932	-5.8	91	0.00	3.56
47	T	2,4-DIMETHYLPENTANE	1.663	1.482	10.9	72	0.00	4.10
48	T	1,1,1-TRICHLOROETHANE	1.781	1.960	-10.1	89	0.00	4.19
49	T	CARBON TETRACHLORIDE	1.767	2.003	-13.4	89	0.00	4.64
50	T	1,2-DICHLOROETHANE	1.352	1.191	11.9	76	0.00	4.00
51	t	BENZENE	2.627	3.000	-14.2	98	0.00	4.52
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.87
53	T	CYCLOHEXANE	0.229	0.272	-18.8	101	0.00	4.75
54	T	2,3-DIMETHYLPENTANE	0.123	0.132	-7.3	97	0.00	5.03
55	T	TRICHLOROETHENE	0.245	0.274	-11.8	100	0.00	5.49
56	T	1,2-DICHLOROPROPANE	0.213	0.188	11.7	84	0.00	5.24
57	T	DIBROMOMETHANE	0.240	0.282	-17.5	113	0.00	5.20
58	T	ETHYL ACRYLATE	0.393	0.343	12.7	72	0.00	5.37
59	T	BROMODICHLOROMETHANE	0.369	0.411	-11.4	93	0.00	5.43
60	T	2,2,4-TRIMETHYLPENTANE	0.911	0.753	17.3	73	0.00	5.59
61	T	1,4-DIOXANE	0.133	0.146	-9.8	101	0.00	5.50
62	T	HEPTANE	0.276	0.216	21.7	67	0.00	5.93
63	T	METHYL METHACRYLATE	0.195	0.209	-7.2	96	0.00	5.82
64	T	METHYL ISOBUTYL KETONE	0.183	0.152	16.9	78	0.00	6.59
65	T	CIS-1,3-DICHLOROPROPENE	0.274	0.301	-9.9	94	0.00	6.48
66	T	TOLUENE	0.645	0.752	-16.6	102	0.00	7.76
67	T	1,3-DICHLOROPROPANE	0.321	0.354	-10.3	98	0.00	7.81
68	T	TRANS-1,3-DICHLOROPROPENE	0.237	0.259	-9.3	92	0.00	7.20
69	T	1,1,2-TRICHLOROETHANE	0.198	0.217	-9.6	105	0.00	7.37
70	T	2-HEXANONE	0.243	0.210	13.6	80	0.00	8.35
71	T	ETHYL METHACRYLATE	0.310	0.341	-10.0	98	0.00	8.48
72	T	TETRACHLOROETHENE	0.268	0.326	-21.6	110	0.00	9.56
73	T	DIBROMOCHLOROMETHANE	0.366	0.401	-9.6	93	0.00	8.31
74	T	1,2-DIBROMOETHANE	0.349	0.407	-16.6	104	0.00	8.67
75	T	OCTANE	0.382	0.300	21.5	69	0.00	9.70
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	10.72
77	T	1,1,1,2-TETRACHLOROETHANE	0.295	0.319	-8.1	91	0.00	10.81
78	T	CHLOROBENZENE	0.588	0.669	-13.8	98	0.00	10.80
79	t	ETHYLBENZENE	0.916	1.076	-17.5	94	0.00	11.70
80	t	M,P-XYLENE	0.714	0.833	-16.7	94	0.00	12.14
81	t	O-XYLENE	0.719	0.844	-17.4	94	0.00	13.09
82	T	STYRENE	0.533	0.633	-18.8	92	0.00	12.87
83	T	NONANE	0.460	0.341	25.9	63	0.00	14.22
84	T	BROMOFORM	0.370	0.440	-18.9	96	0.00	11.95
85	T	1,1,2,2-TETRACHLOROETHANE	0.525	0.590	-12.4	96	0.00	13.10
86	T	1,2,3-TRICHLOROPROPANE	0.429	0.459	-7.0	92	0.00	13.39
87	S	4-BROMOFLUOROBENZENE	0.771	0.745	3.4	92	0.00	14.15
88	T	ISOPROPYLBENZENE	0.286	0.325	-13.6	97	0.00	14.63
89	T	BROMOBENZENE	0.524	0.575	-9.7	92	0.00	14.50
90	T	2-CHLOROTOLUENE	0.260	0.296	-13.8	97	0.00	15.65
91	T	N-PROPYLBENZENE	0.292	0.341	-16.8	98	0.00	15.98
92	T	4-ETHYLTOLUENE	1.007	1.232	-22.3	96	0.00	16.26
93	T	1,3,5-TRIMETHYLBENZENE	0.850	1.024	-20.5	96	0.00	16.40
94	T	ALPHA-METHYLSTYRENE	0.408	0.358	12.3	68	0.00	16.59
95	T	TERT-BUTYLBENZENE	0.201	0.228	-13.4	99	0.00	16.83
96	T	1,2,4-TRIMETHYLBENZENE	0.835	0.982	-17.6	96	0.00	16.84
97	T	BENZYL CHLORIDE	0.441	0.430	2.5	83	0.00	16.91
98	T	M-DICHLOROBENZENE	0.584	0.696	-19.2	101	0.00	16.89
99	T	P-DICHLOROBENZENE	0.586	0.700	-19.5	101	0.00	16.97
100	T	O-DICHLOROBENZENE	0.546	0.645	-18.1	101	0.01	17.24

Continuing Calibration Summary

Job Number: JD81245 **Sample:** V8W162-CC124
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 8W04090.D
Project: EPT, Ithaca, NY

101	T	SEC-BUTYLBENZENE	0.252	0.288	-14.3	98	0.00	17.09
102	T	1,2,3-TRIMETHYLBENZENE	0.859	1.017	-18.4	96	0.01	17.19
103	T	P-ISOPROPYLTOLUENE	0.274	0.312	-13.9	100	0.01	17.26
104	T	N-BUTYLBENZENE	0.257	0.309	-20.2	100	0.01	17.58
105	T	HEXACHLOROETHANE	0.277	0.311	-12.3	88	0.02	17.75
106	T	HEXACHLOROBUTADIENE	0.503	0.641	-27.4	116	0.04	18.72
107	T	1,2,4-TRICHLOROBENZENE	0.544	0.724	-33.1#	112	0.03	18.43
108	T	NAPHTHALENE	1.188	1.457	-22.6	99	0.04	18.48
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	95	0.00	3.48
110		TVHC as equiv Pentane	2.031	1.939	4.5	92	0.00	2.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8w03120.D m8w0124.M Wed Jan 31 11:38:05 2024

Run Sequence Report

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Run ID: V7W138	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W138-BFB	7W03340.D	09/21/23 17:34	n/a	BFB Tune
V7W138-IC0138	7W03346.D	09/21/23 20:58	n/a	Initial cal 5
V7W138-ICC0138	7W03347.D	09/21/23 21:33	n/a	Initial cal 10
V7W138-IC0138	7W03348.D	09/21/23 22:09	n/a	Initial cal 20
V7W138-IC0138	7W03349.D	09/21/23 22:49	n/a	Initial cal 40
V7W138-IC0138	7W03350.D	09/21/23 23:30	n/a	Initial cal 50
V7W138-IC0138	7W03357.D	09/22/23 10:39	n/a	Initial cal 0.04
V7W138-IC0138	7W03358.D	09/22/23 11:13	n/a	Initial cal 0.10
V7W138-IC0138	7W03359.D	09/22/23 11:47	n/a	Initial cal 0.20
V7W138-IC0138	7W03360.D	09/22/23 12:24	n/a	Initial cal 0.50
V7W138-ICV0138	7W03363.D	09/22/23 14:06	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Run ID: V7W151	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W151-BFB	7W03731.D	10/06/23 08:41	n/a	BFB Tune
V7W151-CC138	7W03732.D	10/06/23 09:16	n/a	Continuing cal 10
V7W151-BS	7W03733.D	10/06/23 09:58	n/a	Blank Spike
V7W151-BSD	7W03734.D	10/06/23 10:33	n/a	Blank Spike Duplicate
V7W151-MB	7W03736.D	10/06/23 11:51	n/a	Method Blank
ZZZZZZ	7W03737.D	10/06/23 13:20	n/a	(unrelated sample)
JD74230-1	7W03738.D	10/06/23 14:06	n/a	(used for QC only; not part of job JD81245)
JD74230-1DUP	7W03739.D	10/06/23 14:41	n/a	Duplicate
ZZZZZZ	7W03740.D	10/06/23 15:16	n/a	(unrelated sample)
ZZZZZZ	7W03741.D	10/06/23 15:51	n/a	(unrelated sample)
ZZZZZZ	7W03742.D	10/06/23 16:25	n/a	(unrelated sample)
ZZZZZZ	7W03743.D	10/06/23 17:00	n/a	(unrelated sample)
ZZZZZZ	7W03745.D	10/06/23 18:07	n/a	(unrelated sample)
ZZZZZZ	7W03746.D	10/06/23 18:42	n/a	(unrelated sample)
ZZZZZZ	7W03747.D	10/06/23 19:16	n/a	(unrelated sample)
ZZZZZZ	7W03748.D	10/06/23 19:54	n/a	(unrelated sample)
ZZZZZZ	7W03749.D	10/06/23 20:30	n/a	(unrelated sample)
ZZZZZZ	7W03750.D	10/06/23 21:06	n/a	(unrelated sample)
ZZZZZZ	7W03751.D	10/06/23 21:41	n/a	(unrelated sample)
ZZZZZZ	7W03752.D	10/06/23 22:17	n/a	(unrelated sample)
ZZZZZZ	7W03753.D	10/06/23 22:52	n/a	(unrelated sample)
ZZZZZZ	7W03754.D	10/06/23 23:28	n/a	(unrelated sample)
ZZZZZZ	7W03755.D	10/07/23 00:02	n/a	(unrelated sample)
ZZZZZZ	7W03756.D	10/07/23 00:38	n/a	(unrelated sample)
V7W151-SCC	7W03757.D	10/07/23 01:13	n/a	Summa Cleaning Certification
V7W151-SCC	7W03758.D	10/07/23 01:47	n/a	Summa Cleaning Certification
V7W151-SCC	7W03759.D	10/07/23 02:22	n/a	Summa Cleaning Certification
V7W151-SCC	7W03760.D	10/07/23 03:02	n/a	Summa Cleaning Certification
V7W151-SCC	7W03761.D	10/07/23 03:41	n/a	Summa Cleaning Certification
V7W151-SCC	7W03762.D	10/07/23 04:22	n/a	Summa Cleaning Certification
V7W151-SCC	7W03763.D	10/07/23 05:02	n/a	Summa Cleaning Certification
V7W151-SCC	7W03764.D	10/07/23 05:42	n/a	Summa Cleaning Certification
V7W151-SCC	7W03765.D	10/07/23 06:22	n/a	Summa Cleaning Certification
V7W151-SCC	7W03766.D	10/07/23 07:02	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Run ID: V7W152	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W152-BFB	7W03777.D	10/07/23 13:55	n/a	BFB Tune
V7W152-CC138	7W03778.D	10/07/23 14:28	n/a	Continuing cal 10
V7W152-BS	7W03779.D	10/07/23 15:05	n/a	Blank Spike
V7W152-BSD	7W03780.D	10/07/23 15:40	n/a	Blank Spike Duplicate
V7W152-MB	7W03782.D	10/07/23 16:54	n/a	Method Blank
V7W152-SCC	7W03783.D	10/07/23 17:29	n/a	Summa Cleaning Certification
V7W152-SCC	7W03784.D	10/07/23 18:04	n/a	Summa Cleaning Certification
V7W152-SCC	7W03786.D	10/07/23 19:19	n/a	Summa Cleaning Certification
V7W152-SCC	7W03788.D	10/07/23 20:39	n/a	Summa Cleaning Certification
V7W152-SCC	7W03790.D	10/07/23 22:00	n/a	Summa Cleaning Certification
V7W152-SCC	7W03792.D	10/07/23 23:19	n/a	Summa Cleaning Certification
V7W152-SCC	7W03793.D	10/07/23 23:58	n/a	Summa Cleaning Certification
V7W152-SCC	7W03795.D	10/08/23 01:18	n/a	Summa Cleaning Certification
V7W152-SCC	7W03797.D	10/08/23 02:38	n/a	Summa Cleaning Certification
V7W152-SCC	7W03798.D	10/08/23 03:13	n/a	Summa Cleaning Certification
V7W152-SCC	7W03799.D	10/08/23 03:47	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Run ID: V8W124	**Method:** TO-15	**Instrument ID:** GCMS8W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V8W124-BFB	8W03113.D	12/19/23 20:37	n/a	BFB Tune
V8W124-IC0124	8W03114.D	12/19/23 21:11	n/a	Initial cal 0.04
V8W124-IC0124	8W03115.D	12/19/23 21:45	n/a	Initial cal 0.10
V8W124-IC0124	8W03116.D	12/19/23 22:20	n/a	Initial cal 0.20
V8W124-IC0124	8W03117.D	12/19/23 22:56	n/a	Initial cal 0.50
V8W124-IC0124	8W03119.D	12/20/23 00:03	n/a	Initial cal 5
V8W124-ICC0124	8W03120.D	12/20/23 00:38	n/a	Initial cal 10
V8W124-IC0124	8W03121.D	12/20/23 01:14	n/a	Initial cal 20
V8W124-IC0124	8W03122.D	12/20/23 01:55	n/a	Initial cal 40
V8W124-IC0124	8W03123.D	12/20/23 02:37	n/a	Initial cal 50
V8W124-ICV0124	8W03126.D	12/20/23 04:21	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD81245
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Run ID: V8W162	**Method:** TO-15	**Instrument ID:** GCMS8W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V8W162-BFB	8W04089.D	01/30/24 12:37	n/a	BFB Tune
V8W162-CC124	8W04090.D	01/30/24 13:12	n/a	Continuing cal 10
V8W162-BS	8W04091.D	01/30/24 14:02	n/a	Blank Spike
V8W162-BSD	8W04092.D	01/30/24 14:38	n/a	Blank Spike Duplicate
V8W162-MB	8W04094.D	01/30/24 16:14	n/a	Method Blank
JD81246-1	8W04095.D	01/30/24 17:06	n/a	(used for QC only; not part of job JD81245)
JD81246-1DUP	8W04096.D	01/30/24 17:42	n/a	Duplicate
JD81245-1	8W04097.D	01/30/24 18:19	n/a	VINF
JD81245-2	8W04098.D	01/30/24 18:54	n/a	VPOST GAC
ZZZZZZ	8W04099.D	01/30/24 19:30	n/a	(unrelated sample)
ZZZZZZ	8W04100.D	01/30/24 20:06	n/a	(unrelated sample)
ZZZZZZ	8W04101.D	01/30/24 20:42	n/a	(unrelated sample)
ZZZZZZ	8W04102.D	01/30/24 21:27	n/a	(unrelated sample)
ZZZZZZ	8W04103.D	01/30/24 22:09	n/a	(unrelated sample)
ZZZZZZ	8W04104.D	01/30/24 22:44	n/a	(unrelated sample)
ZZZZZZ	8W04105.D	01/30/24 23:26	n/a	(unrelated sample)
ZZZZZZ	8W04106.D	01/31/24 00:09	n/a	(unrelated sample)
ZZZZZZ	8W04107.D	01/31/24 00:50	n/a	(unrelated sample)
V8W162-SCC	8W04109.D	01/31/24 01:59	n/a	Summa Cleaning Certification
V8W162-SCC	8W04110.D	01/31/24 02:34	n/a	Summa Cleaning Certification
V8W162-SCC	8W04112.D	01/31/24 03:44	n/a	Summa Cleaning Certification
V8W162-SCC	8W04113.D	01/31/24 04:20	n/a	Summa Cleaning Certification
V8W162-SCC	8W04114.D	01/31/24 04:55	n/a	Summa Cleaning Certification
V8W162-SCC	8W04115.D	01/31/24 05:36	n/a	Summa Cleaning Certification
V8W162-SCC	8W04116.D	01/31/24 06:17	n/a	Summa Cleaning Certification

MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/02/24 10:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04097.D
Acq On : 30 Jan 2024 06:19 pm
Operator : taylors
Sample : jd81245-1
Misc : MS77312,V8W0162,148,,,,1.48
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 07:23:40 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.478	128	149886	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	767434	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.720	117	694491	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	149886	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.153	95	510383	9.53	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.740	65	3046	0.34	PPBV	92
6) DICHLORODIFLUOROMETHANE	1.783	85	2725	0.10	PPBV #	86
8) 1-CHLORO-1,1-DIFLUOROE...	1.826	65	3248	0.17	PPBV #	85
10) CHLOROMETHANE	1.832	52	237m	0.16	PPBV	
11) VINYL CHLORIDE	1.893	62	27960	4.11	PPBV	98
13) N-BUTANE	1.954	43	2187	0.28	PPBV #	65
17) ACETONITRILE	2.167	41	1897	0.43	PPBV #	85
22) ISOPROPYL ALCOHOL	2.332	45	5196	0.42	PPBV #	78
23) ACETONE	2.252	58	4382	1.30	PPBV	75
24) PENTANE	2.423	42	663	0.13	PPBV #	8
26) 1,1-DICHLOROETHYLENE	2.515	96	898	0.12	PPBV #	66
28) ETHANOL	2.100	45	2319	0.88	PPBV #	93
31) METHYLENE CHLORIDE	2.551	84	4626	0.71	PPBV	90
34) TRANS-1,2-DICHLOROETHENE	2.905	96	4785	0.38	PPBV #	82
38) HEXANE	3.533	57	5884	0.29	PPBV #	79
41) METHYL ETHYL KETONE	3.191	72	820	0.12	PPBV #	60
42) CIS-1,2-DICHLOROETHENE	3.393	96	662682	47.81	PPBV #	80
55) TRICHLOROETHENE	5.490	95	407592	21.64	PPBV	100

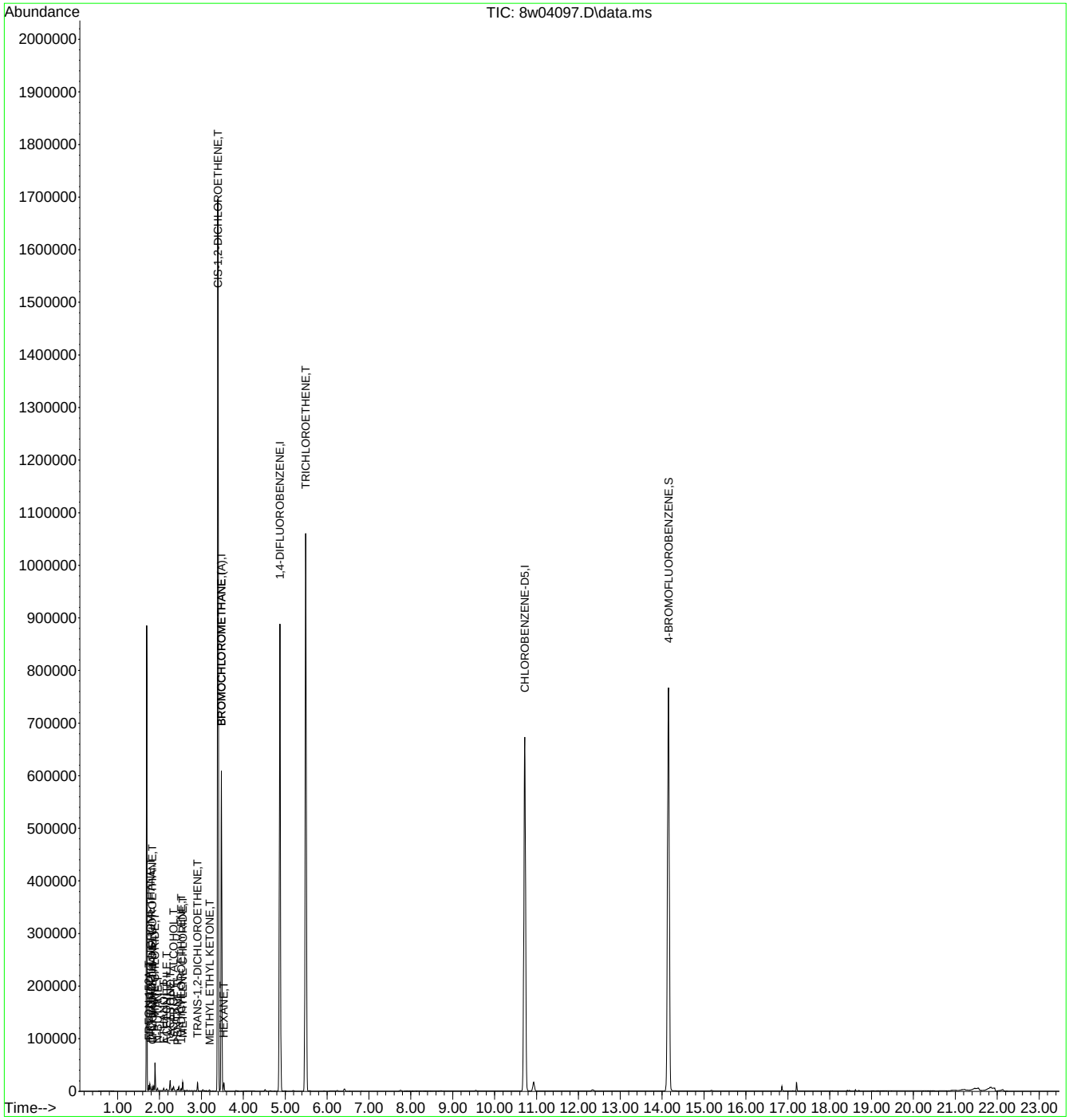
(#) = qualifier out of range (m) = manual integration (+) = signals summed

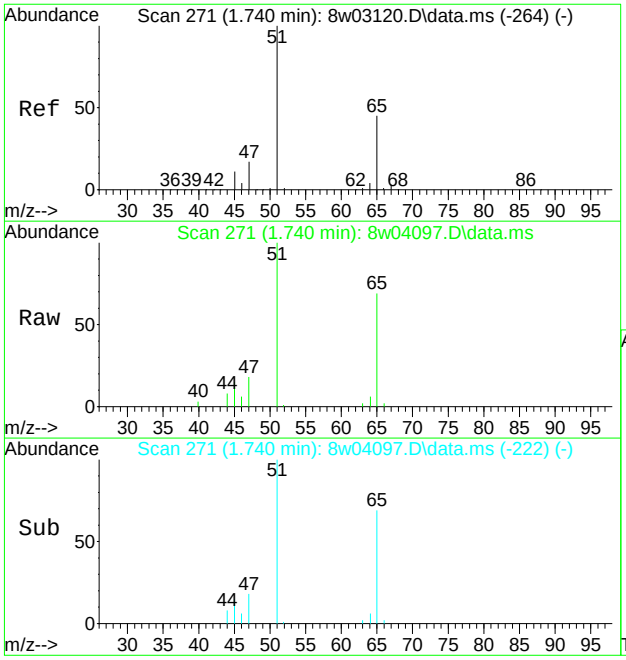
7.1.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04097.D
Acq On : 30 Jan 2024 06:19 pm
Operator : taylors
Sample : jd81245-1
Misc : MS77312,V8W0162,148,,,,1.48
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 07:23:40 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

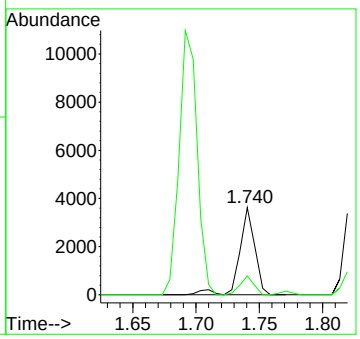


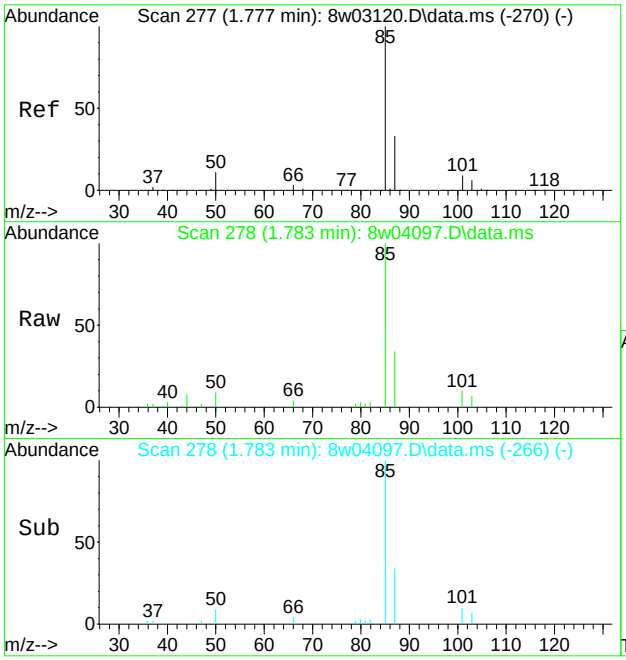


#3
FREON 152A
Concen: 0.34 PPBV
RT: 1.740 min Scan# 271
Delta R.T. -0.000 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 65 Resp: 3046

Ion	Ratio	Lower	Upper
65	100		
45	23.0	21.5	32.3

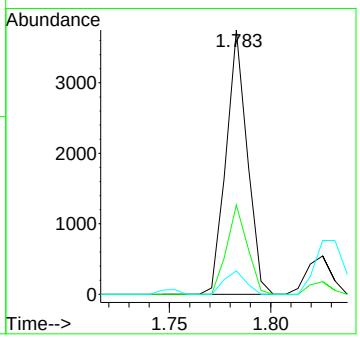


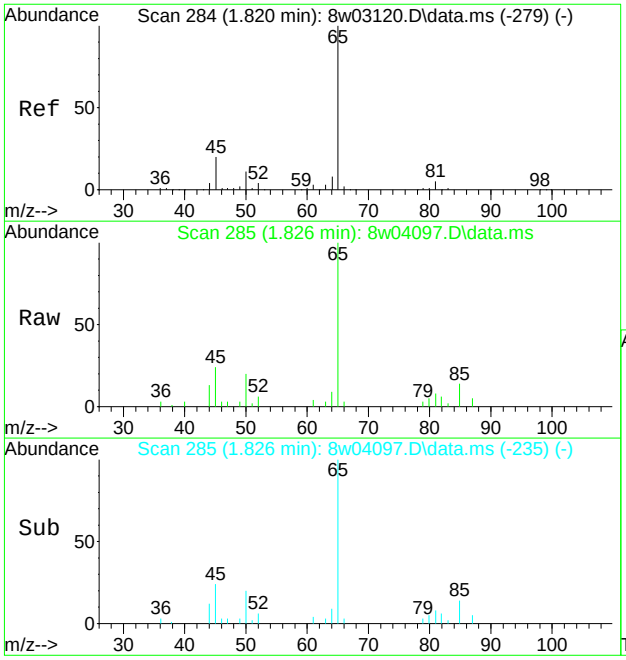


#6
DICHLORODIFLUOROMETHANE
Concen: 0.10 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 85 Resp: 2725

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.3	39.5
50	0.0	13.8	20.6#

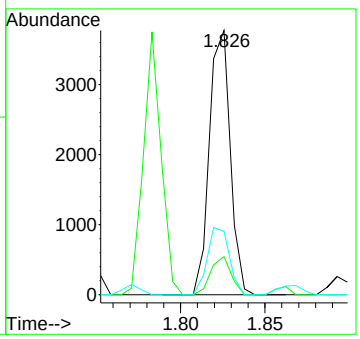


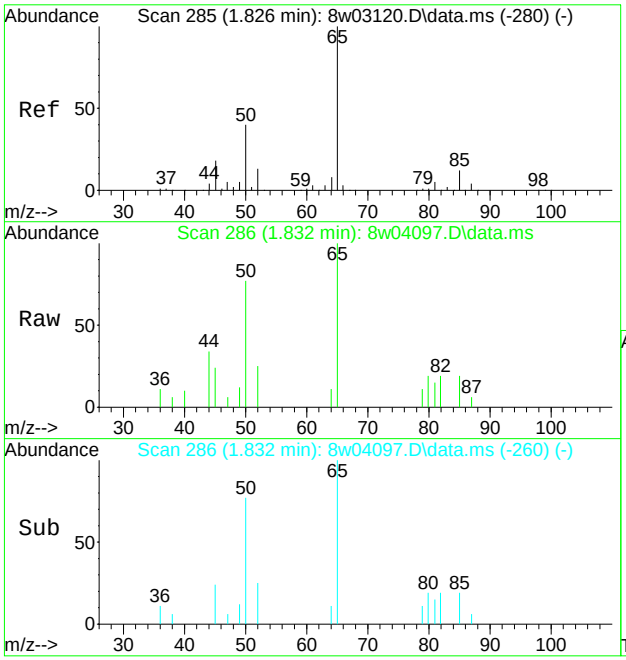


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.17 PPBV
RT: 1.826 min Scan# 285
Delta R.T. 0.006 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 65 Resp: 3248

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	26.9	15.9	23.9#

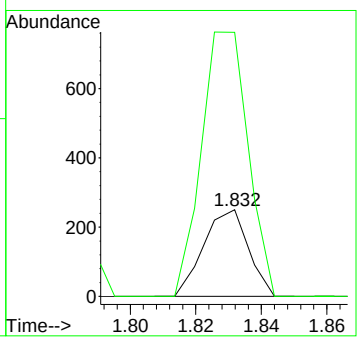


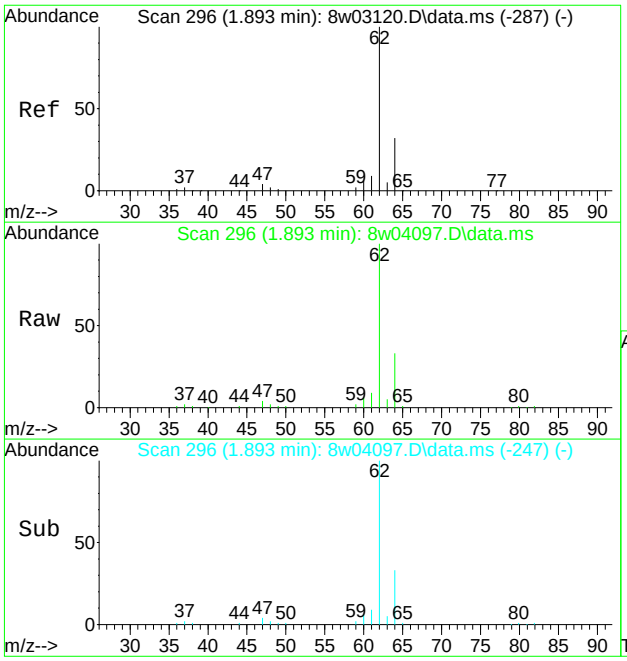


#10
CHLOROMETHANE
Concen: 0.16 PPBV m
RT: 1.832 min Scan# 286
Delta R.T. 0.006 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 52 Resp: 237

Ion	Ratio	Lower	Upper
52	100		
50	0.0	358.1	537.1#

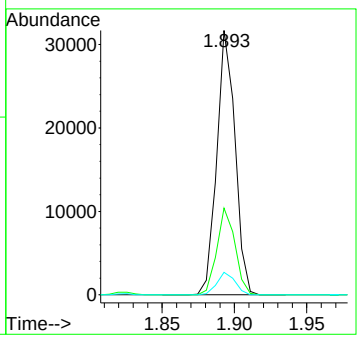


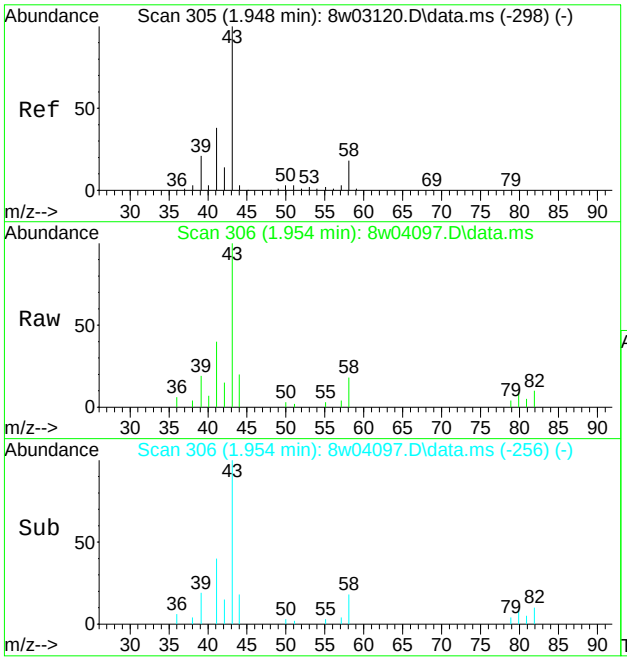


#11
VINYL CHLORIDE
Concen: 4.11 PPBV
RT: 1.893 min Scan# 296
Delta R.T. -0.000 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 62 Resp: 27960

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.9	37.3
61	8.5	7.0	10.4

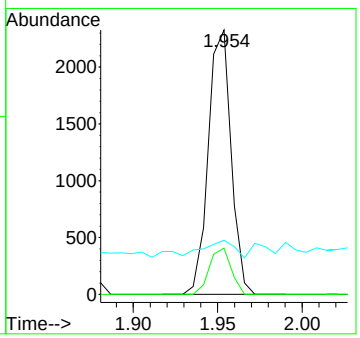


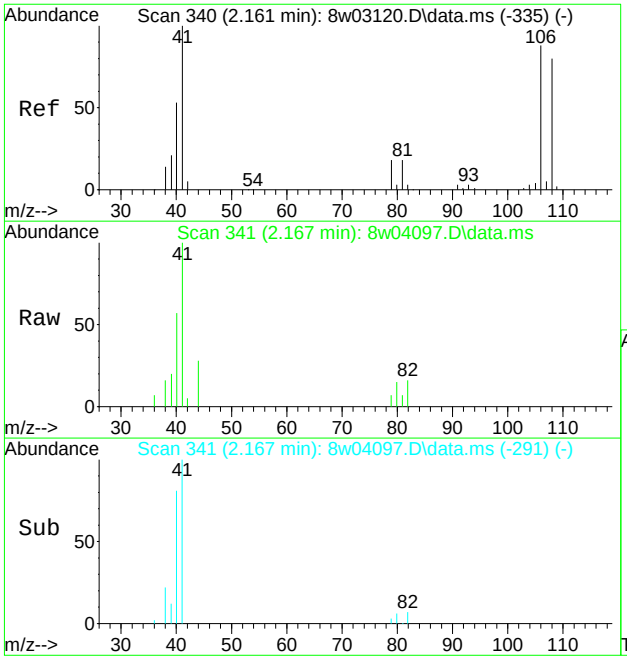


#13
N-BUTANE
Concen: 0.28 PPBV
RT: 1.954 min Scan# 306
Delta R.T. 0.006 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 43 Resp: 2187

Ion	Ratio	Lower	Upper
43	100		
58	0.0	14.2	21.4#
44	0.0	2.9	4.3#

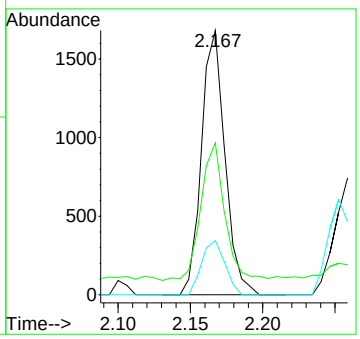


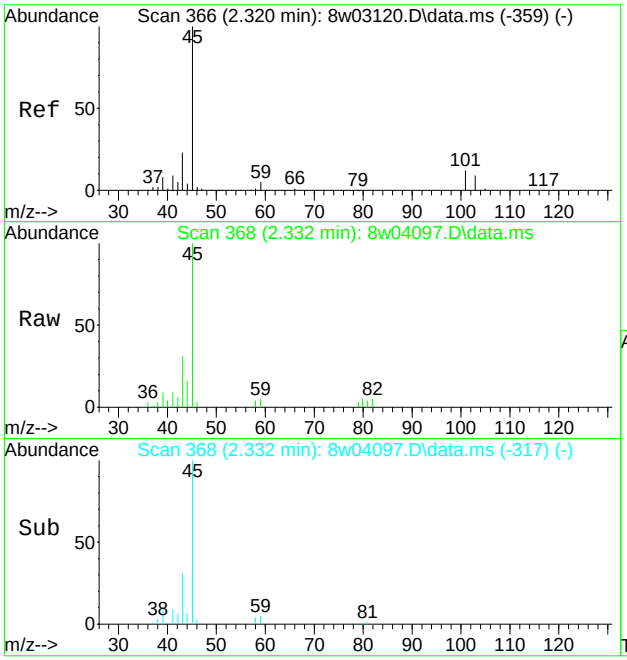


#17
ACETONITRILE
Concen: 0.43 PPBV
RT: 2.167 min Scan# 341
Delta R.T. 0.006 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 41 Resp: 1897

Ion	Ratio	Lower	Upper
41	100		
40	53.1	43.3	64.9
39	0.0	17.8	26.6#

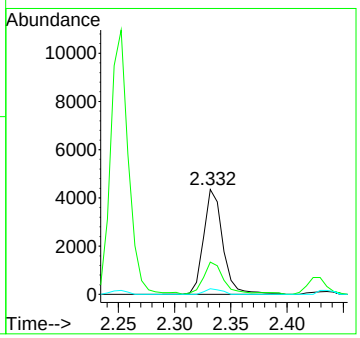


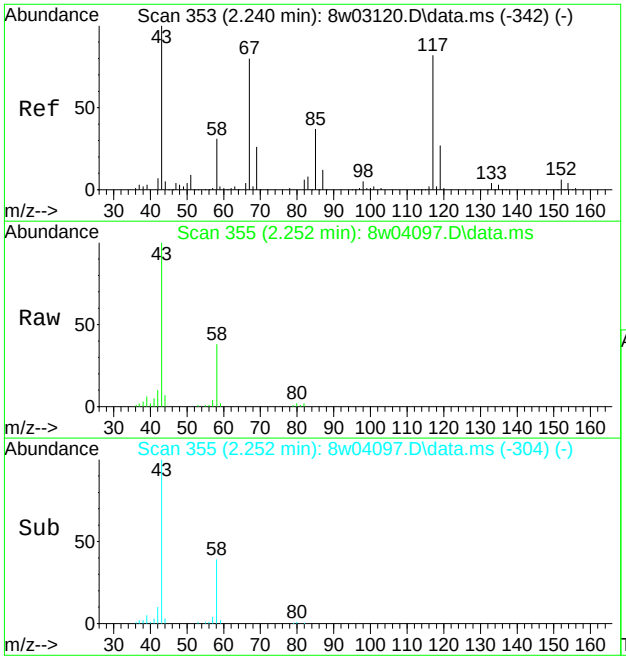


#22
ISOPROPYL ALCOHOL
Concen: 0.42 PPBV
RT: 2.332 min Scan# 368
Delta R.T. 0.012 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 45 Resp: 5196

Ion	Ratio	Lower	Upper
45	100		
43	35.1	18.8	28.2#
59	0.0	3.8	5.6#

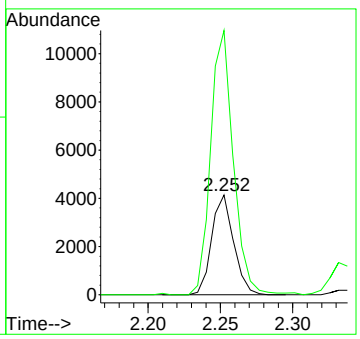


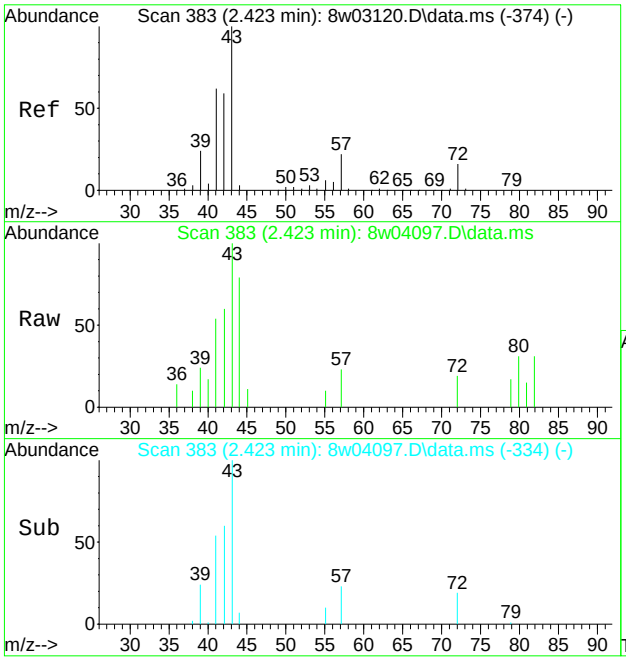


#23
ACETONE
Concen: 1.30 PPBV
RT: 2.252 min Scan# 355
Delta R.T. 0.012 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 58 Resp: 4382

Ion	Ratio	Lower	Upper
58	100		
43	275.1	261.4	392.2

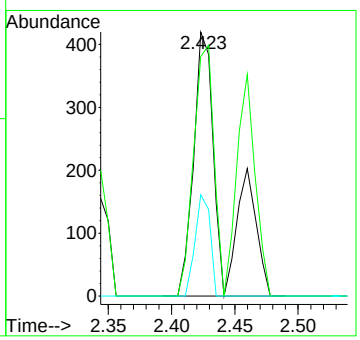


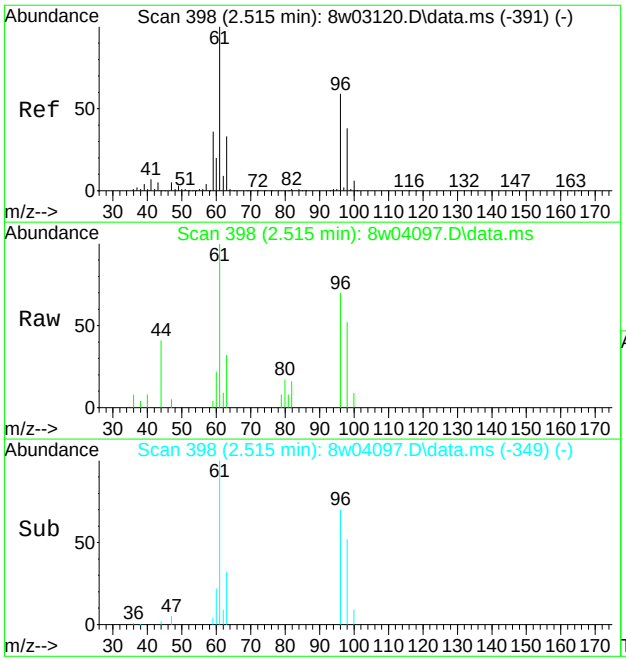


#24
PENTANE
Concen: 0.13 PPBV
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 42 Resp: 663

Ion	Ratio	Lower	Upper
42	100		
41	0.0	84.2	126.4#
57	0.0	28.9	43.3#

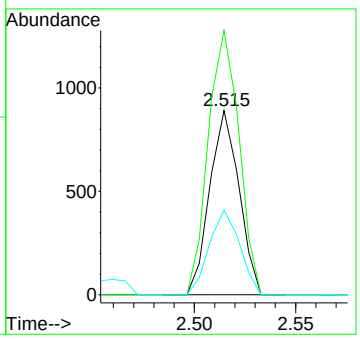


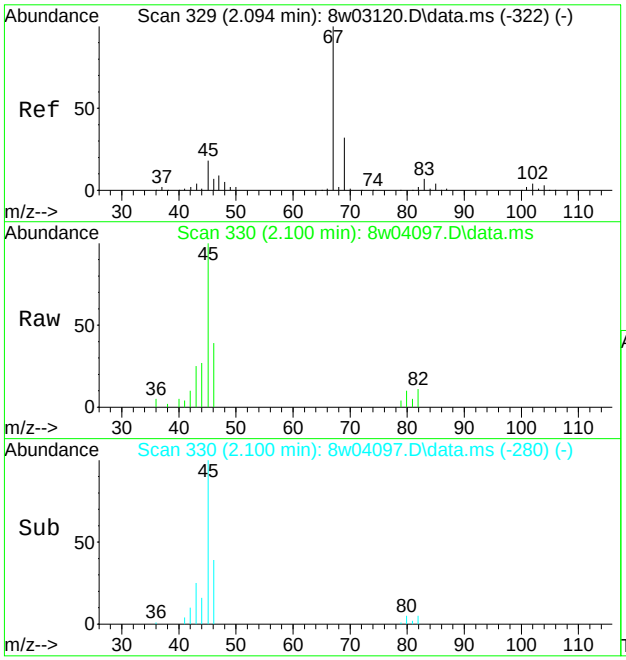


#26
1,1-DICHLOROETHYLENE
Concen: 0.12 PPBV
RT: 2.515 min Scan# 398
Delta R.T. -0.000 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 96 Resp: 898

Ion	Ratio	Lower	Upper
96	100		
61	150.4	141.9	212.9
63	0.0	47.2	70.8#

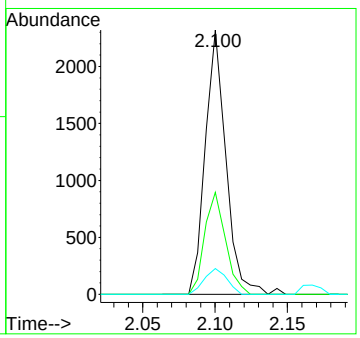


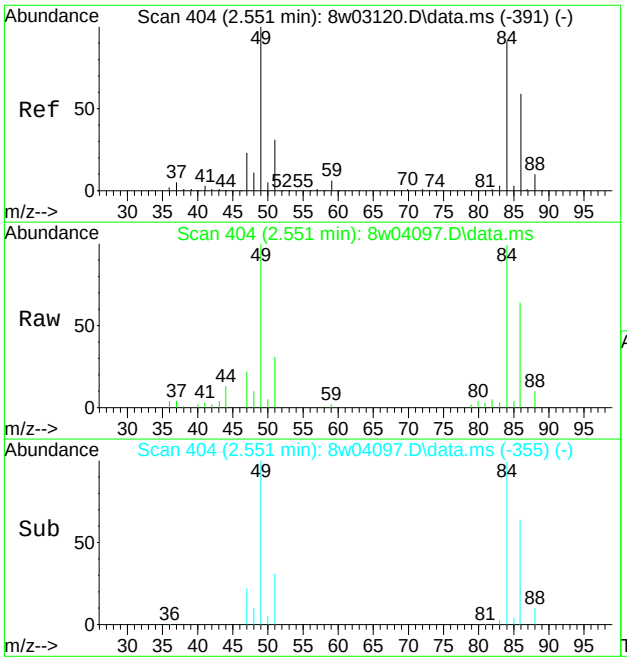


#28
ETHANOL
Concen: 0.88 PPBV
RT: 2.100 min Scan# 330
Delta R.T. 0.006 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 45 Resp: 2319

Ion	Ratio	Lower	Upper
45	100		
46	38.7	30.1	45.1
42	0.0	8.3	12.5#

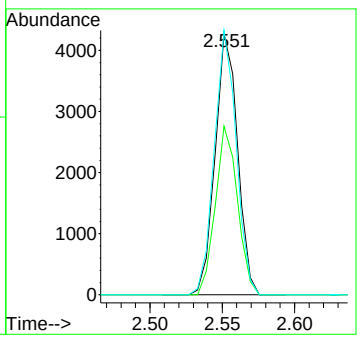


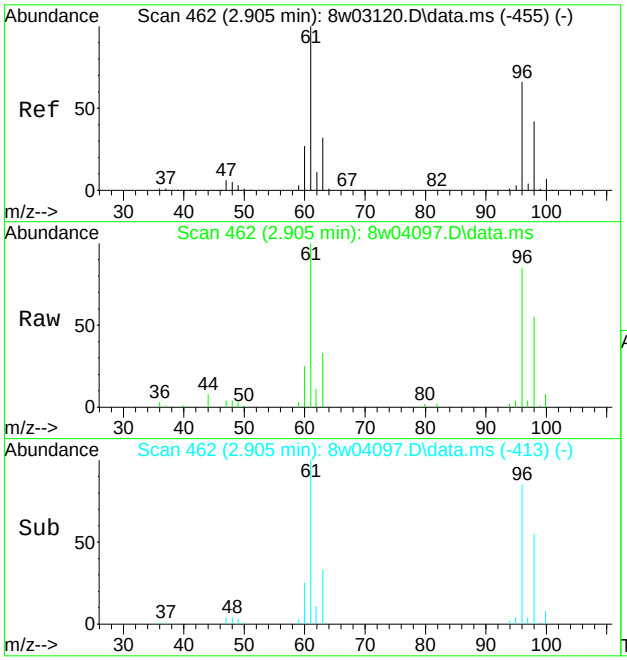


#31
METHYLENE CHLORIDE
Concen: 0.71 PPBV
RT: 2.551 min Scan# 404
Delta R.T. -0.000 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 84 Resp: 4626

Ion	Ratio	Lower	Upper
84	100		
86	63.6	51.0	76.4
49	99.1	92.1	138.1

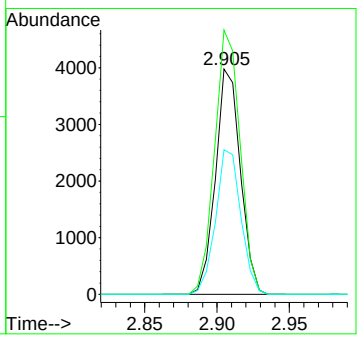


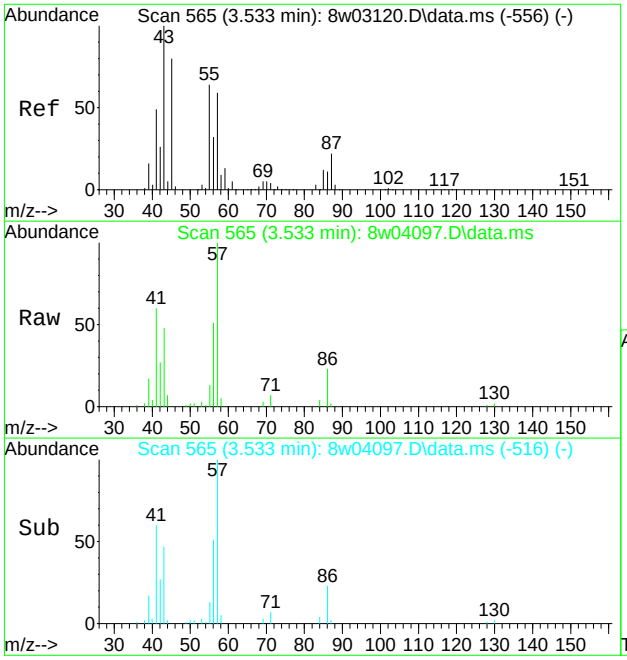


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.38 PPBV
RT: 2.905 min Scan# 462
Delta R.T. -0.000 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 96 Resp: 4785

Ion	Ratio	Lower	Upper
96	100		
61	120.1	120.8	181.2#
98	65.0	51.0	76.4

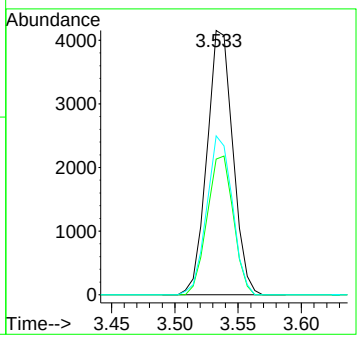


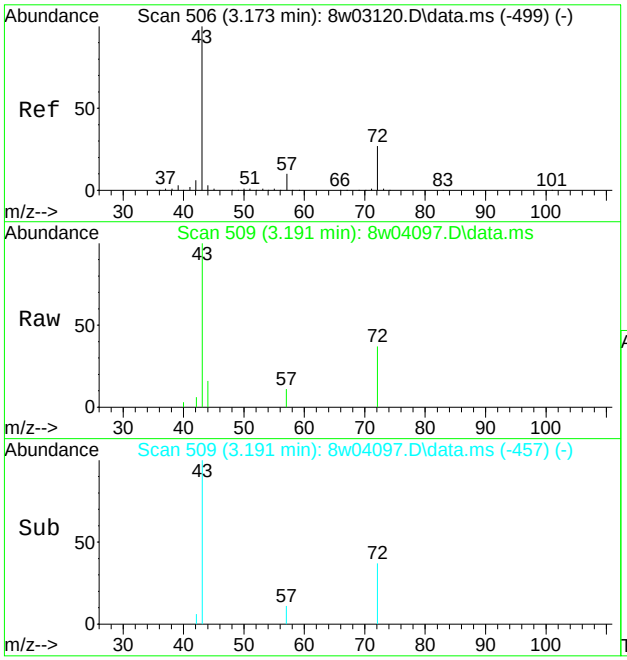


#38
HEXANE
Concen: 0.29 PPBV
RT: 3.533 min Scan# 565
Delta R.T. -0.000 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 57 Resp: 5884

Ion	Ratio	Lower	Upper
57	100		
56	53.0	43.8	65.8
41	59.5	72.2	108.4#

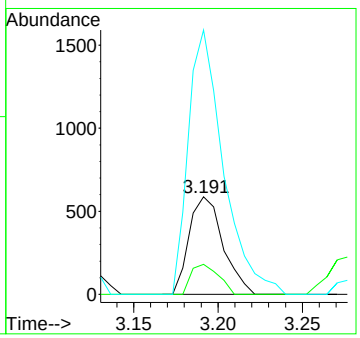


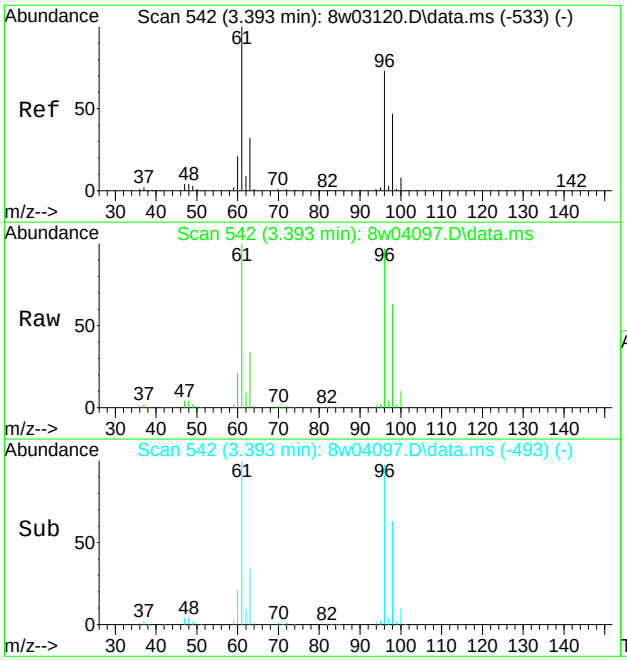


#41
METHYL ETHYL KETONE
Concen: 0.12 PPBV
RT: 3.191 min Scan# 509
Delta R.T. 0.018 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 72 Resp: 820

Ion	Ratio	Lower	Upper
72	100		
57	0.0	27.8	41.8#
43	281.2	292.3	438.5#

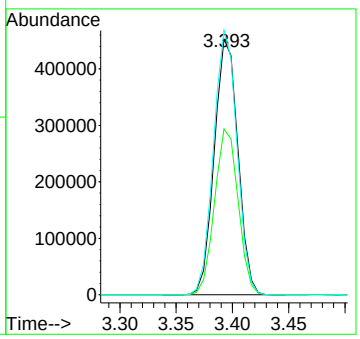


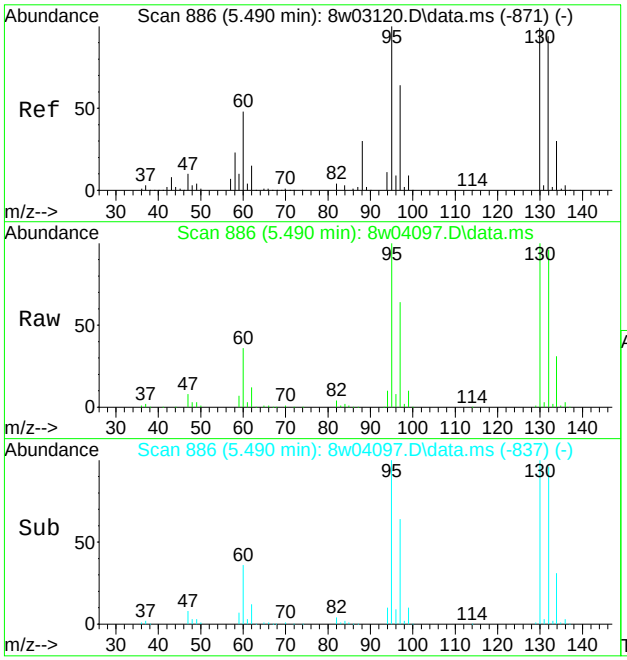


#42
CIS-1,2-DICHLOROETHENE
Concen: 47.81 PPBV
RT: 3.393 min Scan# 542
Delta R.T. -0.000 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 96 Resp: 662682

Ion	Ratio	Lower	Upper
96	100		
98	64.6	50.9	76.3
61	102.8	109.1	163.7#

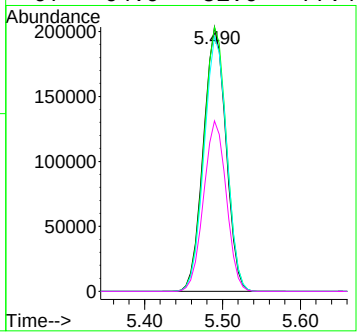




#55
TRICHLOROETHENE
Concen: 21.64 PPBV
RT: 5.490 min Scan# 886
Delta R.T. -0.000 min
Lab File: 8w04097.D
Acq: 30 Jan 2024 06:19 pm

Tgt Ion: 95 Resp: 407592

Ion	Ratio	Lower	Upper
95	100		
130	100.9	80.6	120.8
132	96.9	77.0	115.4
97	64.9	51.6	77.4



Manual Integration Approval Summary

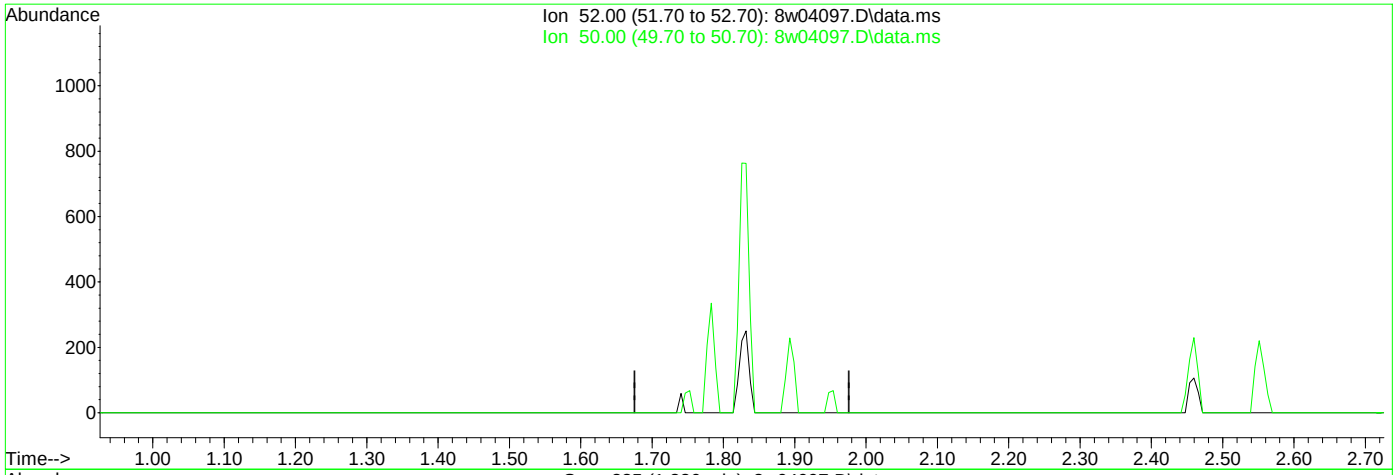
Sample Number:	JD81245-1	**Method:**	TO-15
Lab FileID:	8W04097.D	**Analyst approved:**	02/02/24 08:49 Taylor Sauter
Injection Time:	01/30/24 18:19	**Supervisor approved:**	02/02/24 10:41 Kanya Veerawat

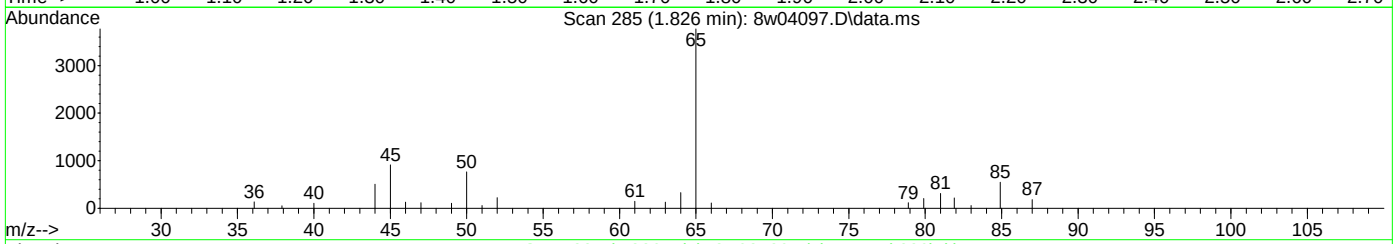
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloromethane	74-87-3		1.83	Missed peak

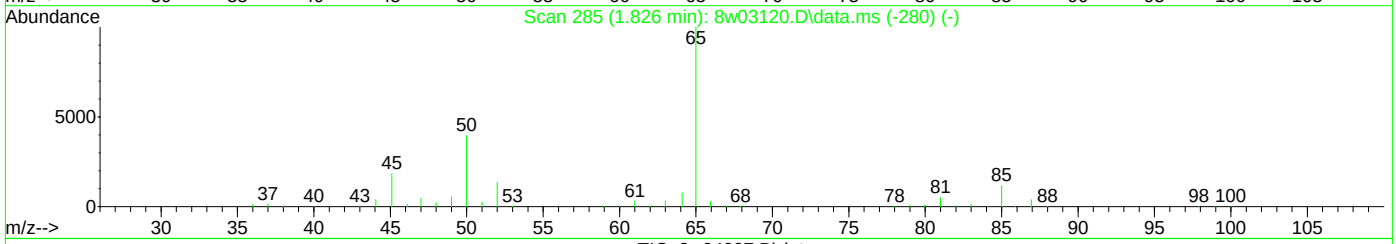
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04097.D
Acq On : 30 Jan 2024 06:19 pm
Operator : taylors
Sample : jd81245-1
Misc : MS77312,V8W0162,148,,,,1.48
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 08:39:09 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration







TIC: 8w04097.D\data.ms

(10) CHLOROMETHANE (T)

1.826min (-1.826) 0.00PPBV

response 0

Ion	Exp%	Act%
52.00	100	0.00
50.00	447.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/02/24 10:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04098.D
Acq On : 30 Jan 2024 06:54 pm
Operator : taylors
Sample : jd81245-2
Misc : MS77312,V8W0162,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 02 08:25:02 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

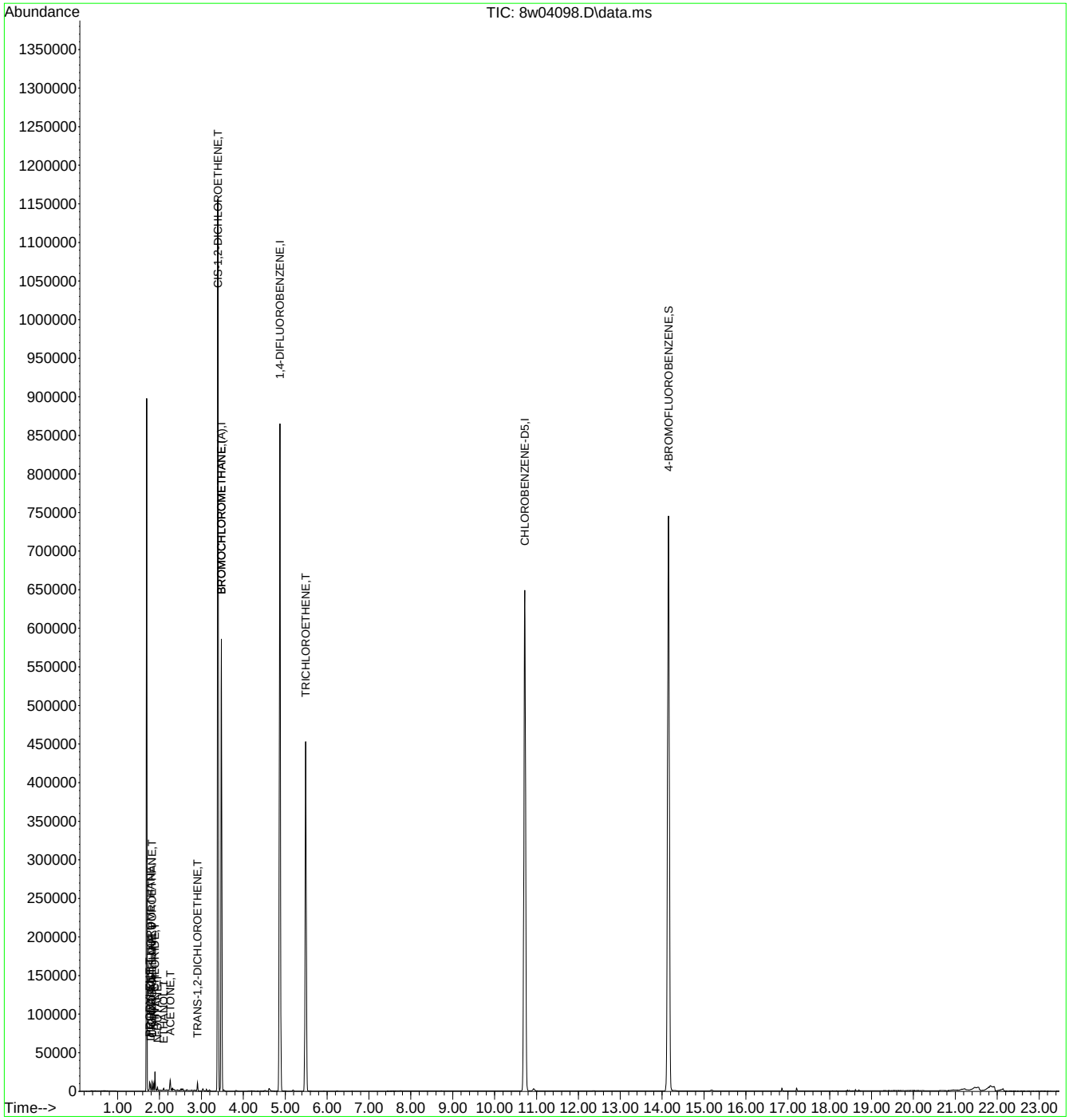
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.478	128	145422	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	745301	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.720	117	670396	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	145422	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.153	95	492968	9.54	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.783	85	3041	0.11	PPBV	# 85
7) PROPYLENE	1.765	41	1480	0.19	PPBV	# 64
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	5341	0.29	PPBV	# 91
10) CHLOROMETHANE	1.826	52	208m	0.14	PPBV	
11) VINYL CHLORIDE	1.893	62	12330	1.87	PPBV	97
13) N-BUTANE	1.948	43	1802	0.24	PPBV	# 65
23) ACETONE	2.252	58	3217	0.98	PPBV	# 55
28) ETHANOL	2.100	45	1436	0.56	PPBV	# 91
34) TRANS-1,2-DICHLOROETHENE	2.905	96	3254	0.26	PPBV	# 80
42) CIS-1,2-DICHLOROETHENE	3.392	96	435511	32.38	PPBV	# 80
55) TRICHLOROETHENE	5.490	95	171984	9.40	PPBV	100

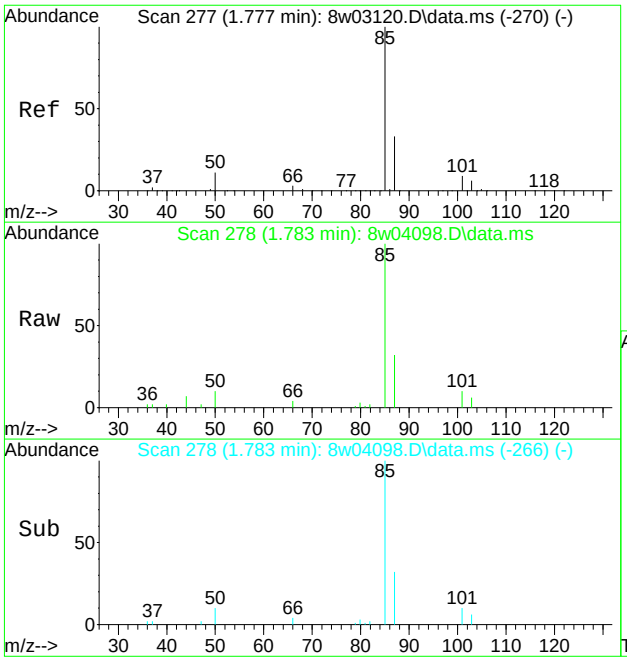
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04098.D
Acq On : 30 Jan 2024 06:54 pm
Operator : taylors
Sample : jd81245-2
Misc : MS77312,V8W0162,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 02 08:25:02 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

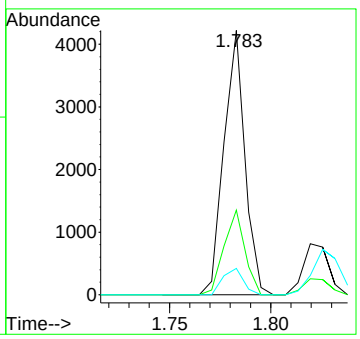


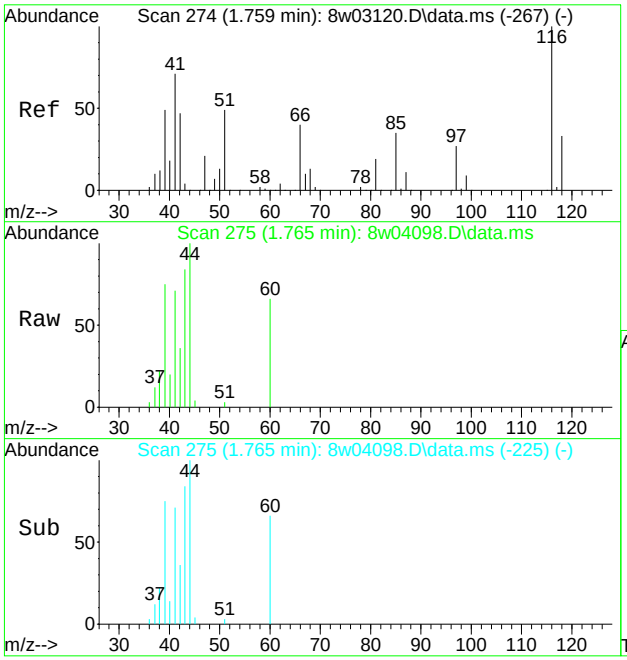


#6
DICHLORODIFLUOROMETHANE
Concen: 0.11 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 85 Resp: 3041

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.3	39.5
50	0.0	13.8	20.6#

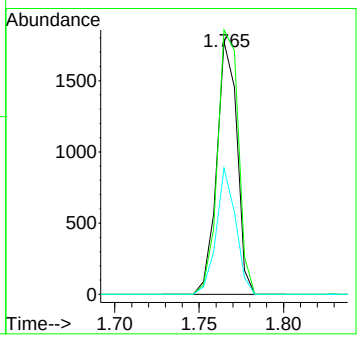


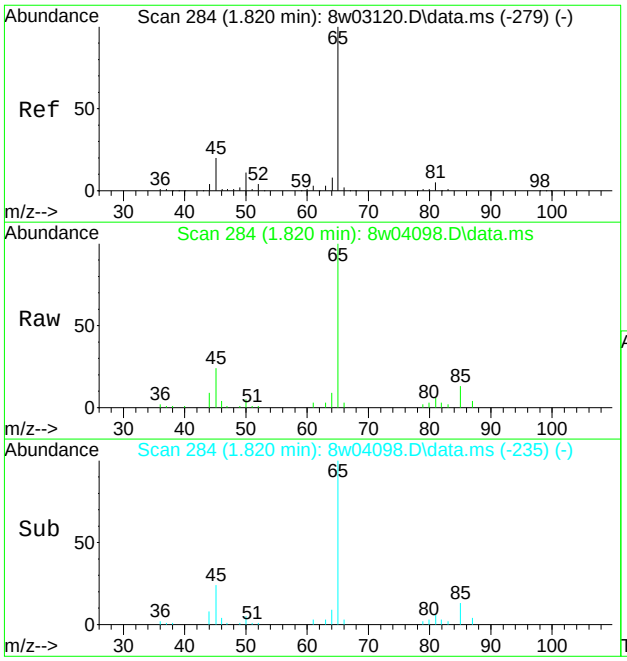


#7
PROPYLENE
Concen: 0.19 PPBV
RT: 1.765 min Scan# 275
Delta R.T. 0.006 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 41 Resp: 1480

Ion	Ratio	Lower	Upper
41	100		
39	107.8	55.8	83.6#
42	47.8	53.8	80.6#

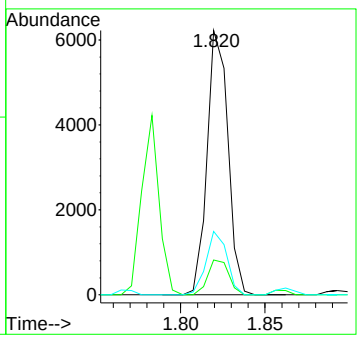


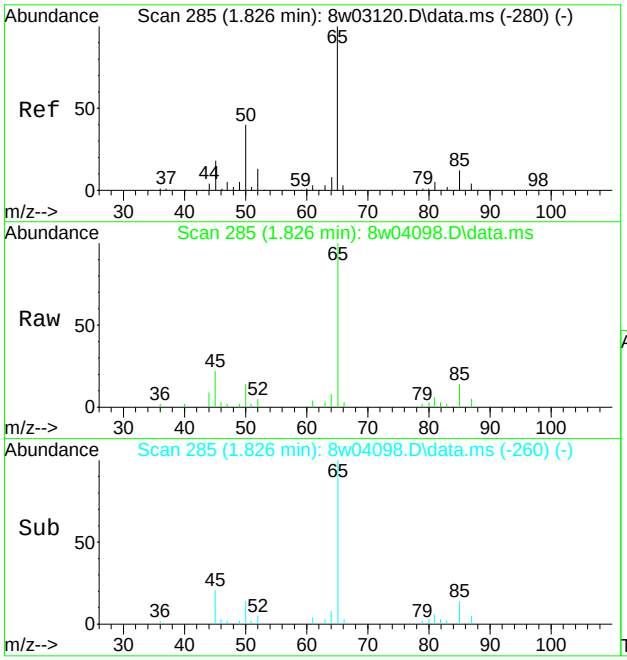


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.29 PPBV
RT: 1.820 min Scan# 284
Delta R.T. -0.000 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 65 Resp: 5341

Ion	Ratio	Lower	Upper
65	100		
85	11.9	0.0	0.0#
45	24.1	15.9	23.9#

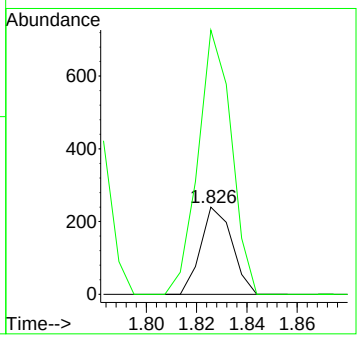


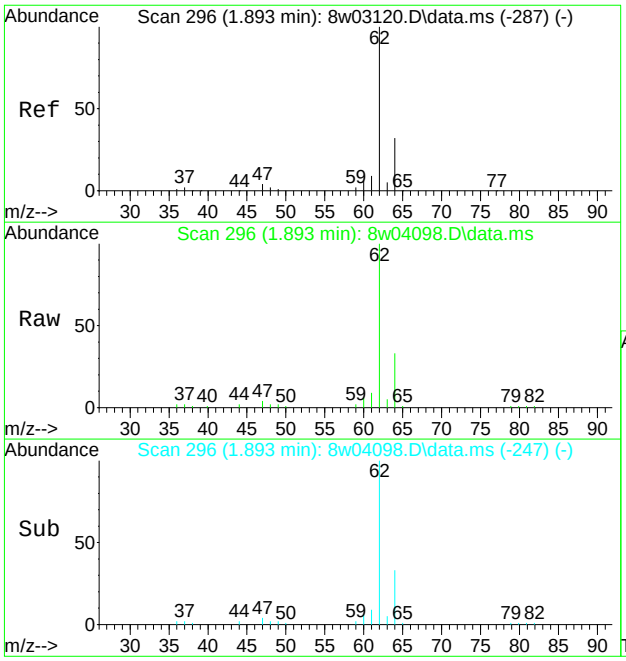


#10
CHLOROMETHANE
Concen: 0.14 PPBV m
RT: 1.826 min Scan# 285
Delta R.T. -0.000 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 52 Resp: 208

Ion	Ratio	Lower	Upper
52	100		
50	0.0	358.1	537.1#

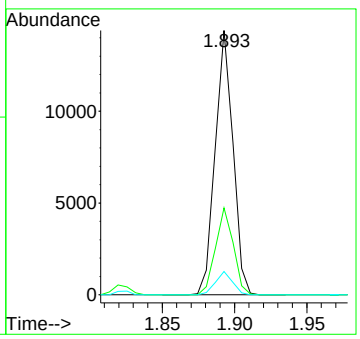


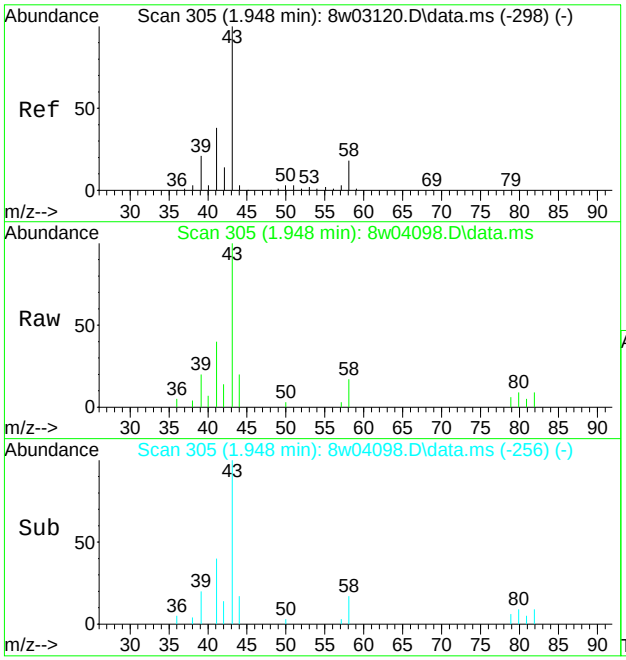


#11
VINYL CHLORIDE
Concen: 1.87 PPBV
RT: 1.893 min Scan# 296
Delta R.T. -0.000 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 62 Resp: 12330

Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.9	37.3
61	8.5	7.0	10.4

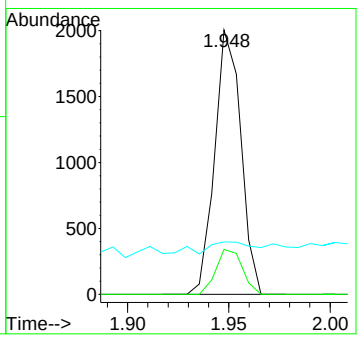


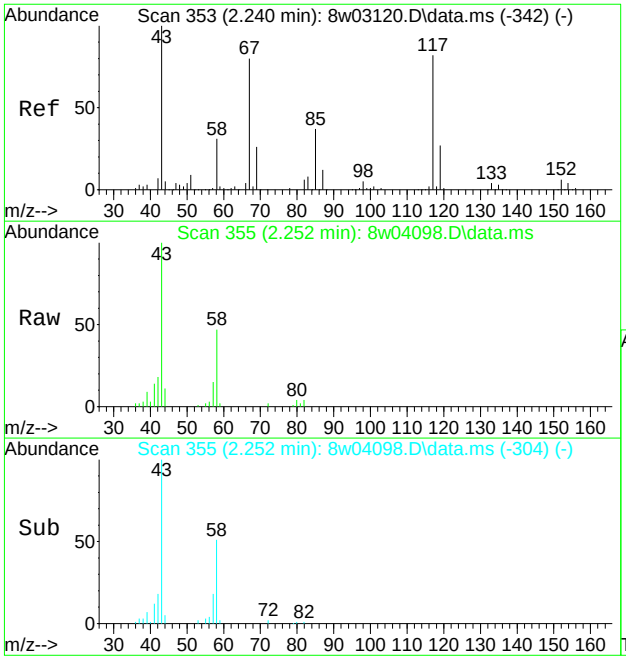


#13
N-BUTANE
Concen: 0.24 PPBV
RT: 1.948 min Scan# 305
Delta R.T. -0.000 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 43 Resp: 1802

Ion	Ratio	Lower	Upper
43	100		
58	0.0	14.2	21.4#
44	0.0	2.9	4.3#

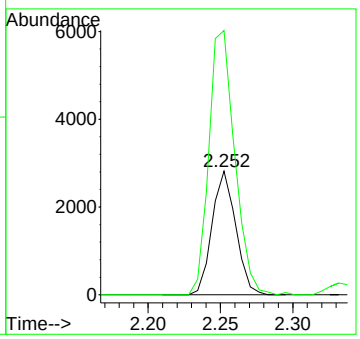


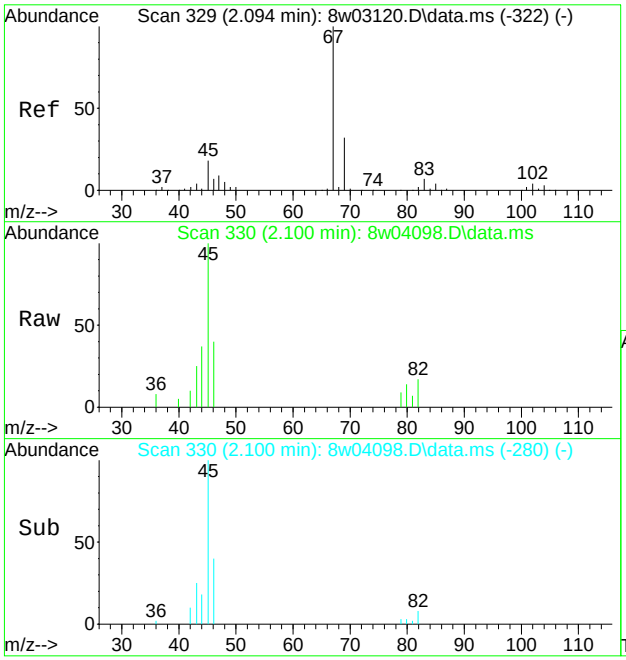


#23
ACETONE
Concen: 0.98 PPBV
RT: 2.252 min Scan# 355
Delta R.T. 0.012 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 58 Resp: 3217

Ion	Ratio	Lower	Upper
58	100		
43	233.9	261.4	392.2#

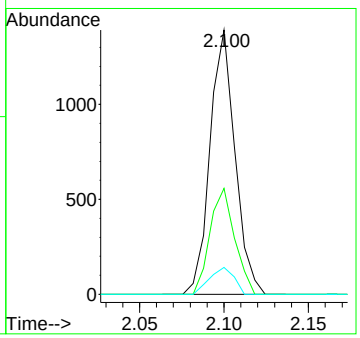


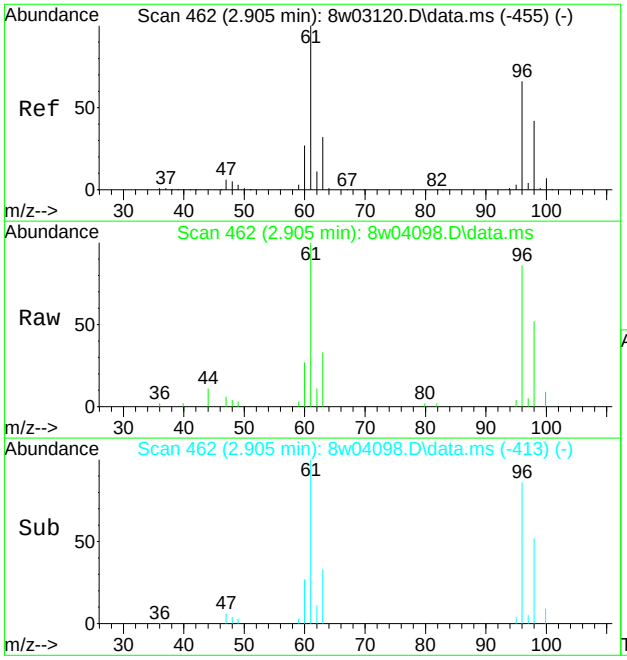


#28
ETHANOL
Concen: 0.56 PPBV
RT: 2.100 min Scan# 330
Delta R.T. 0.006 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 45 Resp: 1436

Ion	Ratio	Lower	Upper
45	100		
46	39.6	30.1	45.1
42	0.0	8.3	12.5#

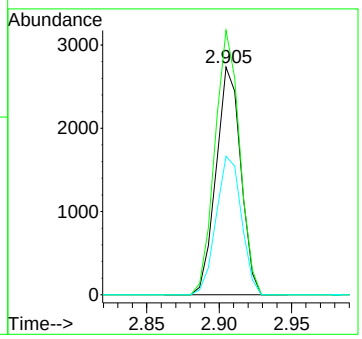


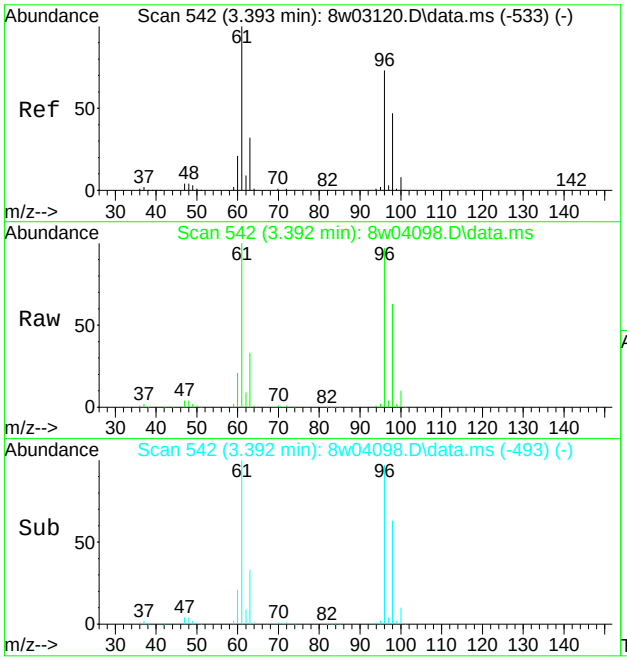


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.26 PPBV
RT: 2.905 min Scan# 462
Delta R.T. -0.000 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 96 Resp: 3254

Ion	Ratio	Lower	Upper
96	100		
61	116.2	120.8	181.2#
98	62.4	51.0	76.4

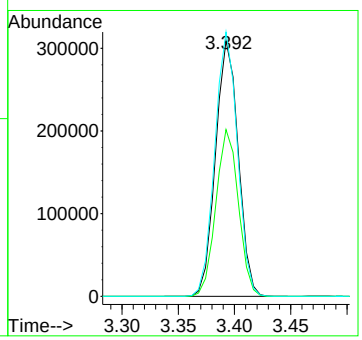


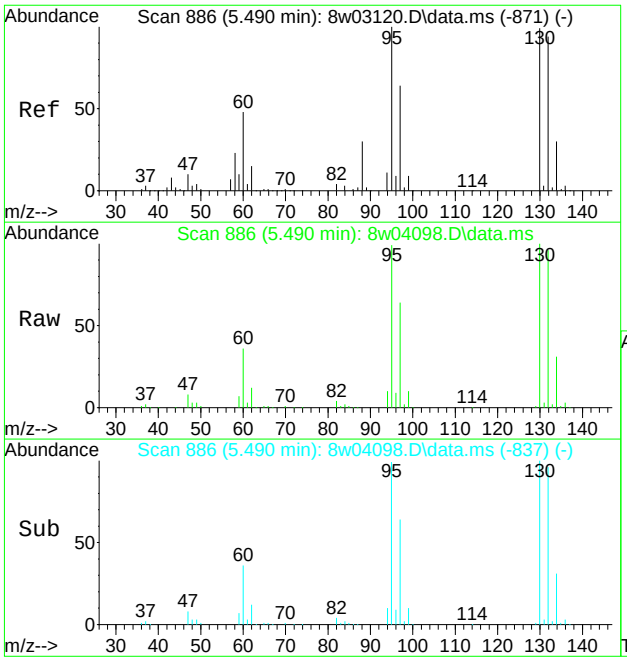


#42
CIS-1,2-DICHLOROETHENE
Concen: 32.38 PPBV
RT: 3.392 min Scan# 542
Delta R.T. -0.000 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 96 Resp: 435511

Ion	Ratio	Lower	Upper
96	100		
98	64.6	50.9	76.3
61	102.8	109.1	163.7#

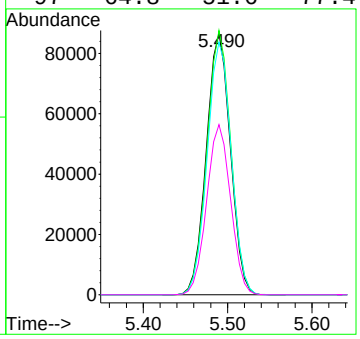




#55
TRICHLOROETHENE
Concen: 9.40 PPBV
RT: 5.490 min Scan# 886
Delta R.T. -0.000 min
Lab File: 8w04098.D
Acq: 30 Jan 2024 06:54 pm

Tgt Ion: 95 Resp: 171984

Ion	Ratio	Lower	Upper
95	100		
130	100.5	80.6	120.8
132	96.7	77.0	115.4
97	64.8	51.6	77.4



Manual Integration Approval Summary

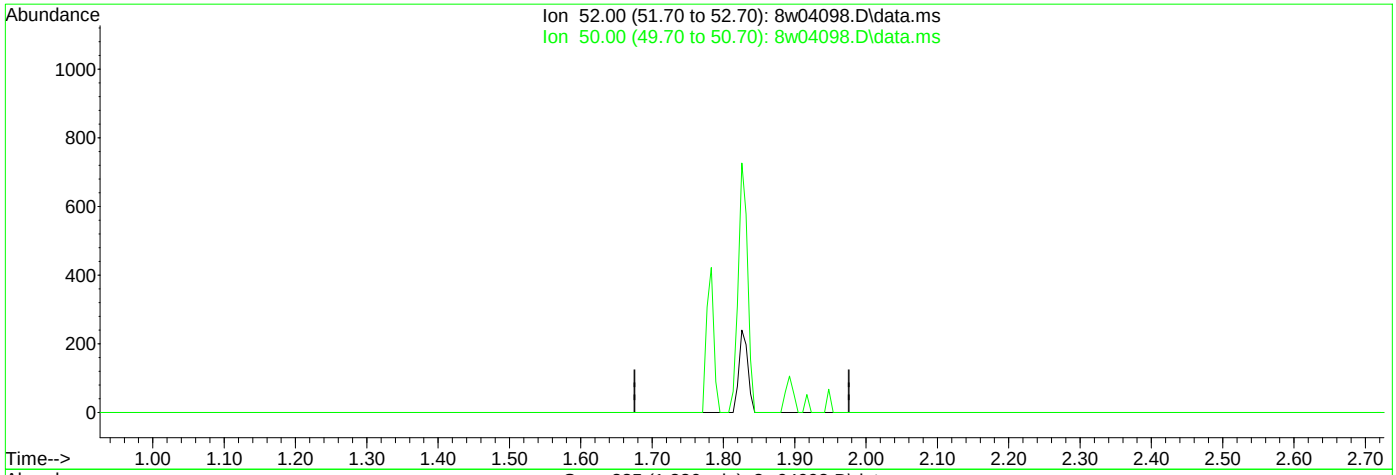
Sample Number:	JD81245-2	**Method:**	TO-15
Lab FileID:	8W04098.D	**Analyst approved:**	02/02/24 08:50 Taylor Sauter
Injection Time:	01/30/24 18:54	**Supervisor approved:**	02/02/24 10:46 Kanya Veerawat

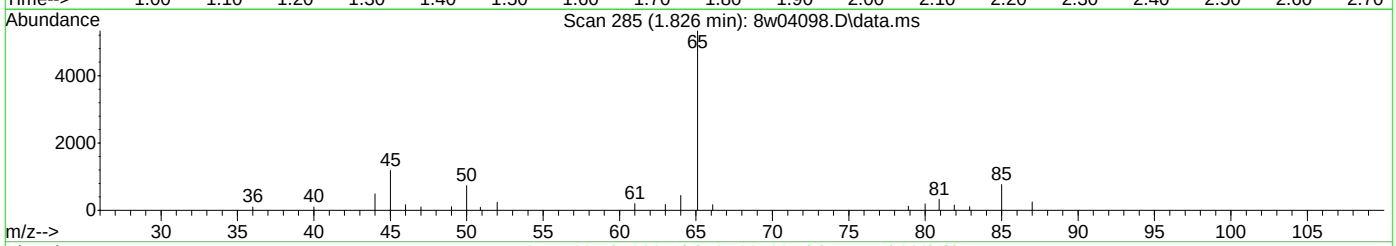
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloromethane	74-87-3		1.83	Missed peak

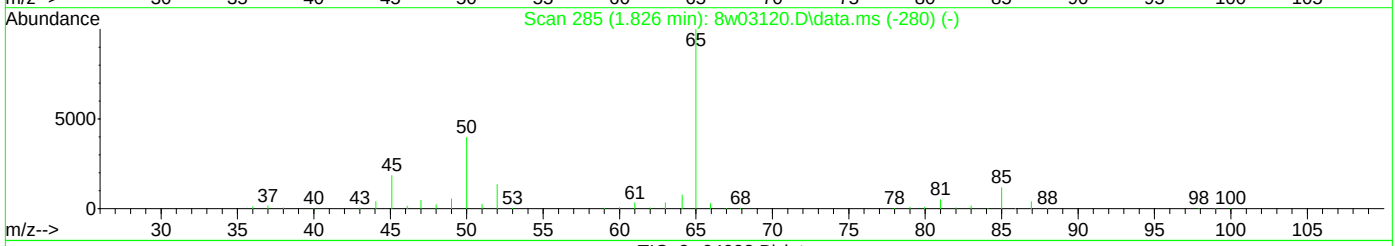
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04098.D
Acq On : 30 Jan 2024 06:54 pm
Operator : taylors
Sample : jd81245-2
Misc : MS77312,V8W0162,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 08:39:20 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration







TIC: 8w04098.D\data.ms

(10) CHLOROMETHANE (T)

1.826min (-1.826) 0.00PPBV

response 0

Ion	Exp%	Act%
52.00	100	0.00
50.00	447.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04094.D
Acq On : 30 Jan 2024 04:14 pm
Operator : taylors
Sample : mb
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 11:17:45 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

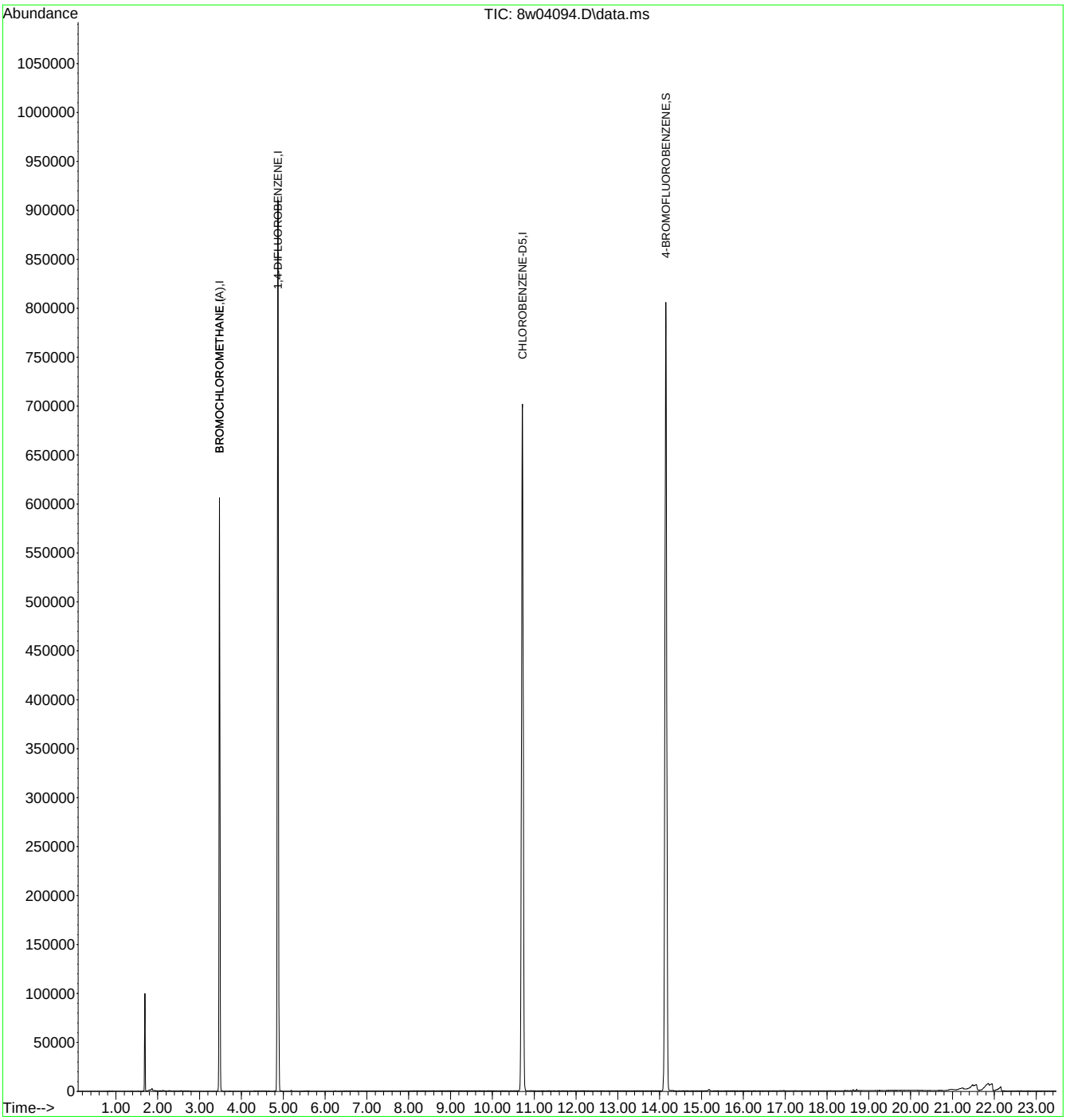
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.478	128	153432	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	804264	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.720	117	732675	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	153432	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.146	95	533450	9.44	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04094.D
Acq On : 30 Jan 2024 04:14 pm
Operator : taylors
Sample : mb
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 11:17:45 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03736.D
Acq On : 6 Oct 2023 11:51 am
Operator : taylors
Sample : mb
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 15:31:57 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

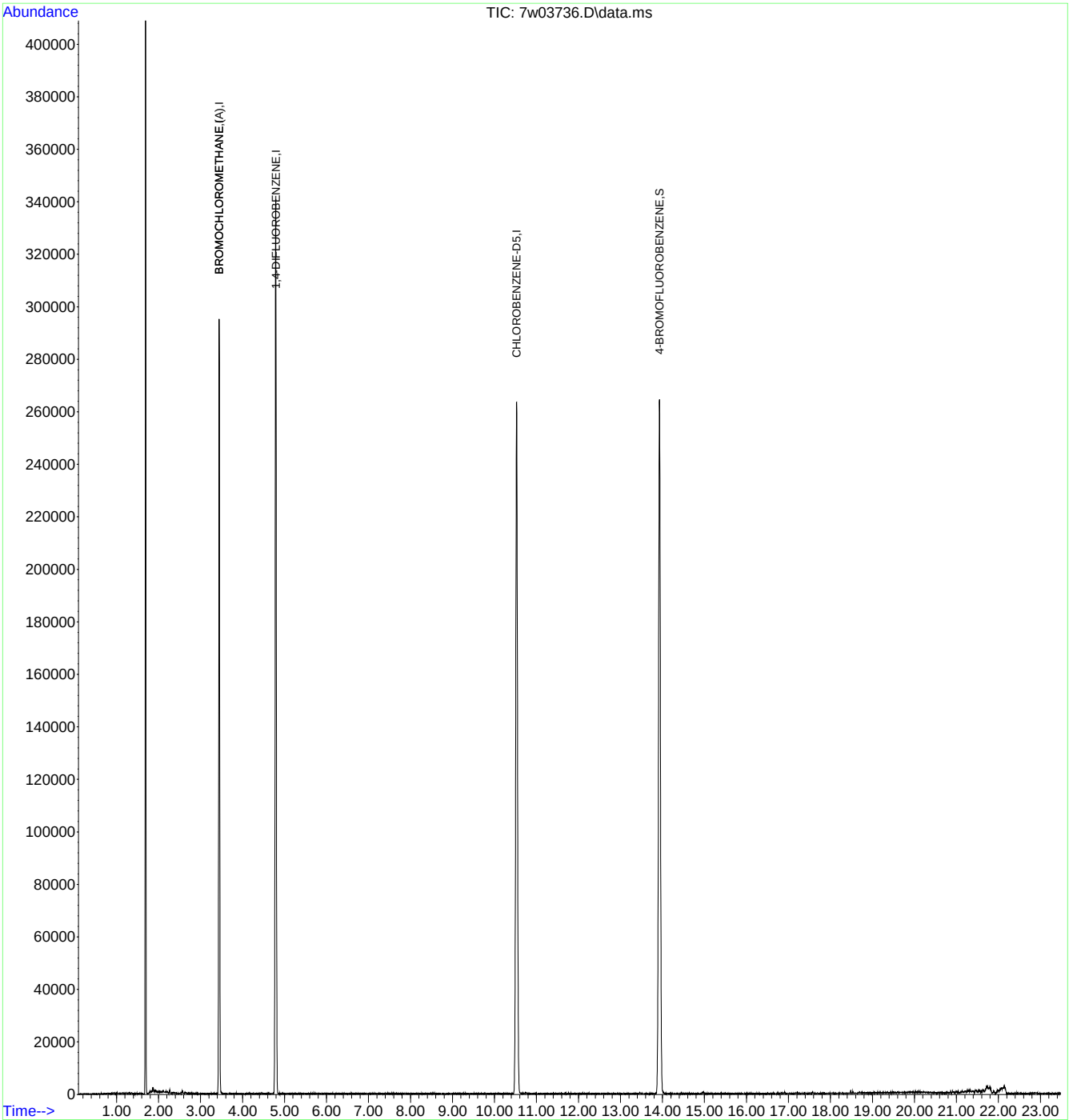
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.444	128	45434	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.791	114	230605	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.524	117	208229	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.444	128	45434	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.929	95	156034	9.80	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03736.D
Acq On : 6 Oct 2023 11:51 am
Operator : taylors
Sample : mb
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 15:31:57 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03782.D
Acq On : 7 Oct 2023 4:54 pm
Operator : taylors
Sample : mb
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 13:38:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

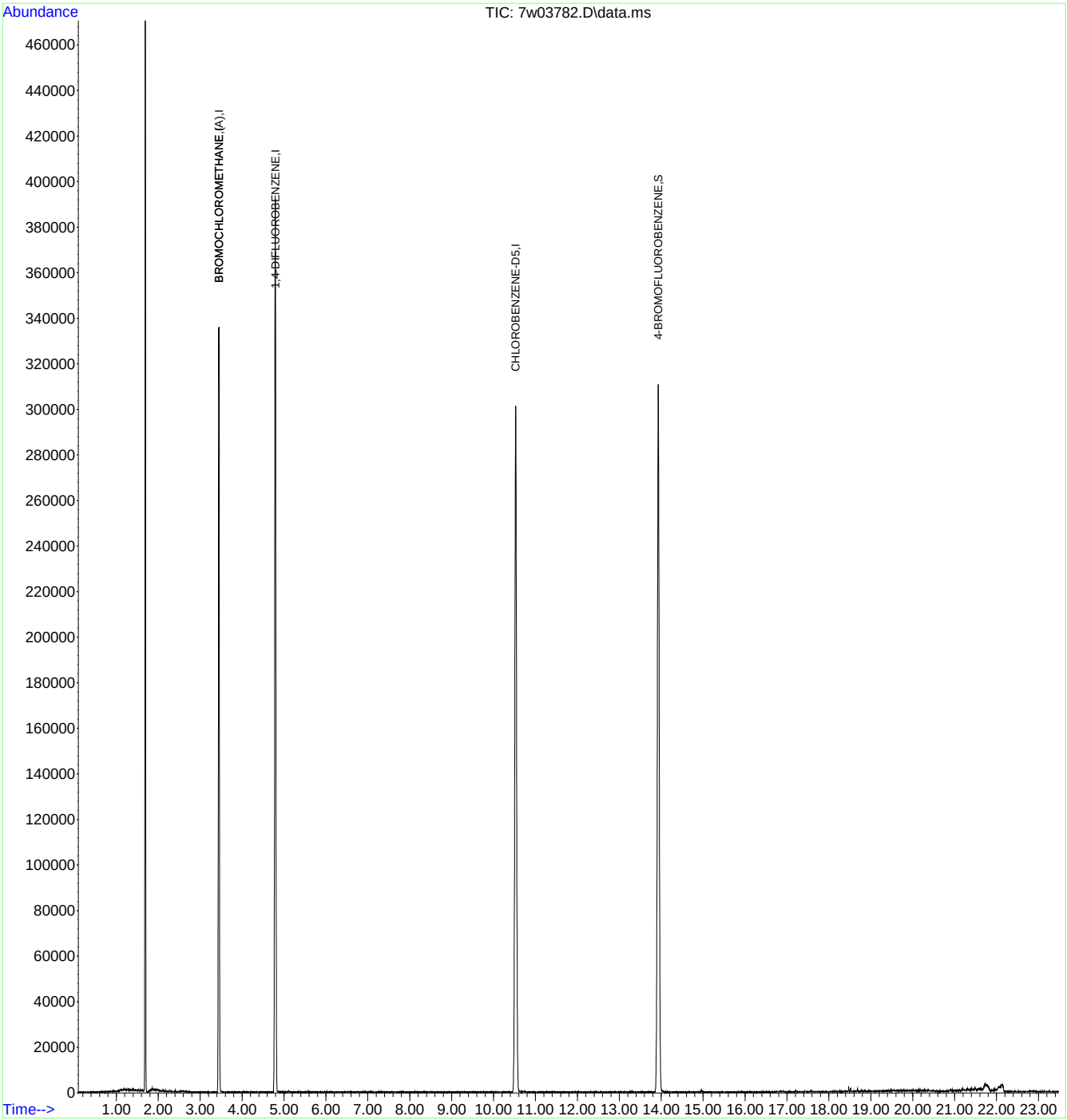
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.447	128	50984	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.794	114	262475	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.524	117	236107	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.447	128	50984	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.929	95	185884	10.29	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03782.D
Acq On : 7 Oct 2023 4:54 pm
Operator : taylors
Sample : mb
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 13:38:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/31/24 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04091.D
Acq On : 30 Jan 2024 02:02 pm
Operator : taylors
Sample : bs
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:08:24 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	154207	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	793577	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.720	117	738159	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	154207	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.147	95	545446	9.58	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	79180	8.47	PPBV	#	88
4) CHLORODIFLUOROMETHANE	1.753	67	34483	9.00	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.765	116	198843	11.29	PPBV		90
6) DICHLORODIFLUOROMETHANE	1.783	85	310087	10.69	PPBV	#	97
7) PROPYLENE	1.759	41	60400	7.44	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	186435	9.45	PPBV	#	99
9) FREON 114	1.856	85	240581	10.80	PPBV		96
10) CHLOROMETHANE	1.826	52	15705	10.00	PPBV		94
11) VINYL CHLORIDE	1.893	62	70553	10.07	PPBV		99
12) 1,3-BUTADIENE	1.935	54	48038	10.02	PPBV		98
13) N-BUTANE	1.948	43	80425	9.96	PPBV		99
14) BROMOMETHANE	2.015	94	88279	11.84	PPBV		99
15) CHLOROETHANE	2.064	64	41359	10.66	PPBV		96
16) DICHLOROFLUOROMETHANE	2.088	67	188632	10.09	PPBV		98
17) ACETONITRILE	2.161	41	47659	10.61	PPBV		98
18) ACROLEIN	2.204	56	25910	8.20	PPBV		99
19) FREON 123	2.216	83	211418	11.31	PPBV		98
20) FREON 123A	2.234	117	139939	11.38	PPBV		91
21) TRICHLOROFLUOROMETHANE	2.307	101	284156	10.39	PPBV		100
22) ISOPROPYL ALCOHOL	2.320	45	122628	9.63	PPBV		98
23) ACETONE	2.240	58	35720	10.29	PPBV		84
24) PENTANE	2.423	42	55226	10.36	PPBV		95
25) IODOMETHANE	2.484	142	244768	11.82	PPBV		89
26) 1,1-DICHLOROETHYLENE	2.515	96	84066	11.05	PPBV		80
27) CARBON DISULFIDE	2.655	76	156322	10.50	PPBV	#	100
28) ETHANOL	2.094	45	27108	10.03	PPBV		98
29) BROMOETHENE	2.173	106	92686	12.16	PPBV		97
30) ACRYLONITRILE	2.393	52	44984	9.63	PPBV		99
31) METHYLENE CHLORIDE	2.551	84	71225	10.60	PPBV		92
32) 3-CHLOROPROPENE	2.594	76	34273	10.65	PPBV		88
33) FREON 113	2.655	151	163576	10.70	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	2.905	96	162132	12.39	PPBV	#	81
35) TERTIARY BUTYL ALCOHOL	2.527	59	126888	7.84	PPBV	#	94
36) METHYL TERTIARY BUTYL ...	3.027	73	373350	10.58	PPBV	#	95
37) TETRAHYDROFURAN	3.783	72	71497	11.38	PPBV	#	71
38) HEXANE	3.533	57	173709	8.46	PPBV		95
39) VINYL ACETATE	3.069	86	42096	12.90	PPBV	#	27
40) 1,1-DICHLOROETHANE	2.990	63	235079	9.96	PPBV		97
41) METHYL ETHYL KETONE	3.173	72	75218	10.87	PPBV	#	53
42) CIS-1,2-DICHLOROETHENE	3.393	96	168218	11.80	PPBV	#	82
43) DIISOPROPYL ETHER	3.539	59	52853	8.16	PPBV		82
44) ETHYL ACETATE	3.545	61	35514	9.30	PPBV	#	65
45) METHYL ACRYLATE	3.527	55	204673	8.32	PPBV	#	97
46) CHLOROFORM	3.557	83	293583	10.43	PPBV	#	96
47) 2,4-DIMETHYLPENTANE	4.100	57	225982	8.81	PPBV	#	93
48) 1,1,1-TRICHLOROETHANE	4.185	97	300385	10.94	PPBV		96
49) CARBON TETRACHLORIDE	4.642	117	304811	11.19	PPBV		99
50) 1,2-DICHLOROETHANE	4.002	62	180181	8.64	PPBV	#	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04091.D
Acq On : 30 Jan 2024 02:02 pm
Operator : taylors
Sample : bs
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:08:24 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) BENZENE	4.520	78	456946	11.28	PPBV		88
53) CYCLOHEXANE	4.746	84	213744	11.76	PPBV	#	77
54) 2,3-DIMETHYLPENTANE	5.020	71	102519	10.49	PPBV	#	65
55) TRICHLOROETHENE	5.490	95	215678	11.07	PPBV		100
56) 1,2-DICHLOROPROPANE	5.240	63	148497	8.81	PPBV		97
57) DIBROMOMETHANE	5.197	174	220735	11.58	PPBV		92
58) ETHYL ACRYLATE	5.362	55	270710	8.69	PPBV	#	97
59) BROMODICHLOROMETHANE	5.429	83	322147	11.01	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.587	57	594260	8.22	PPBV	#	99
61) 1,4-DIOXANE	5.496	88	115832	10.99	PPBV	#	80
62) HEPTANE	5.929	43	170545	7.80	PPBV	#	78
63) METHYL METHACRYLATE	5.813	69	164226	10.60	PPBV	#	75
64) METHYL ISOBUTYL KETONE	6.593	58	120202	8.26	PPBV	#	83
65) CIS-1,3-DICHLOROPROPENE	6.483	75	240406	11.04	PPBV	#	87
66) TOLUENE	7.752	91	592579	11.58	PPBV		99
67) 1,3-DICHLOROPROPANE	7.812	76	276875	10.86	PPBV		98
68) TRANS-1,3-DICHLOROPROPENE	7.197	75	208273	11.09	PPBV	#	89
69) 1,1,2-TRICHLOROETHANE	7.361	83	170072	10.85	PPBV		100
70) 2-HEXANONE	8.343	58	166276	8.63	PPBV	#	87
71) ETHYL METHACRYLATE	8.483	69	269916	10.96	PPBV	#	84
72) TETRACHLOROETHENE	9.550	164	256810	12.09	PPBV		93
73) DIBROMOCHLOROMETHANE	8.312	129	315936	10.88	PPBV		100
74) 1,2-DIBROMOETHANE	8.666	107	320498	11.56	PPBV		100
75) OCTANE	9.702	43	237824	7.85	PPBV	#	76
77) 1,1,1,2-TETRACHLOROETHANE	10.812	131	231287	10.62	PPBV		99
78) CHLOROBENZENE	10.794	112	484746	11.17	PPBV		97
79) ETHYLBENZENE	11.696	91	778730	11.52	PPBV		98
80) M,P-XYLENE	12.141	91	1205313	22.87	PPBV		98
81) O-XYLENE	13.092	91	609571	11.49	PPBV		97
82) STYRENE	12.873	104	458204	11.64	PPBV		97
83) NONANE	14.220	43	247509	7.29	PPBV	#	82
84) BROMOFORM	11.952	173	321422	11.76	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.104	83	425822	10.98	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	13.391	75	333546	10.54	PPBV		100
88) ISOPROPYLBENZENE	14.628	120	236099	11.18	PPBV		93
89) BROMOBENZENE	14.500	77	415963	10.76	PPBV		92
90) 2-CHLOROTOLUENE	15.646	126	215546	11.25	PPBV		99
91) N-PROPYLBENZENE	15.970	120	247135	11.47	PPBV		100
92) 4-ETHYLTOLUENE	16.262	105	891467	12.00	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.402	105	733468	11.69	PPBV		98
94) ALPHA-METHYLSTYRENE	16.585	118	262493	8.72	PPBV		98
95) TERT-BUTYLBENZENE	16.823	134	164837	11.09	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	16.835	105	711576	11.54	PPBV		99
97) BENZYL CHLORIDE	16.908	91	323797	9.94	PPBV		98
98) M-DICHLOROBENZENE	16.890	146	506520	11.75	PPBV		98
99) P-DICHLOROBENZENE	16.963	146	508713	11.76	PPBV		99
100) O-DICHLOROBENZENE	17.244	146	471896	11.71	PPBV		98
101) SEC-BUTYLBENZENE	17.085	134	211412	11.35	PPBV		98
102) 1,2,3-TRIMETHYLBENZENE	17.189	105	736695	11.61	PPBV		97
103) P-ISOPROPYLTOLUENE	17.256	134	224065	11.06	PPBV		96
104) N-BUTYLBENZENE	17.579	134	223526	11.76	PPBV		92
105) HEXACHLOROETHANE	17.750	117	226249	11.05	PPBV	#	91
106) HEXACHLOROBUTADIENE	18.713	225	464444	12.50	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.433	180	530462	13.20	PPBV		98
108) NAPHTHALENE	18.475	128	1064744	12.15	PPBV		100
110) TVHC as equiv Pentane	2.423	TIC	293495m	9.37	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04091.D
Acq On : 30 Jan 2024 02:02 pm
Operator : taylors
Sample : bs
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:08:24 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

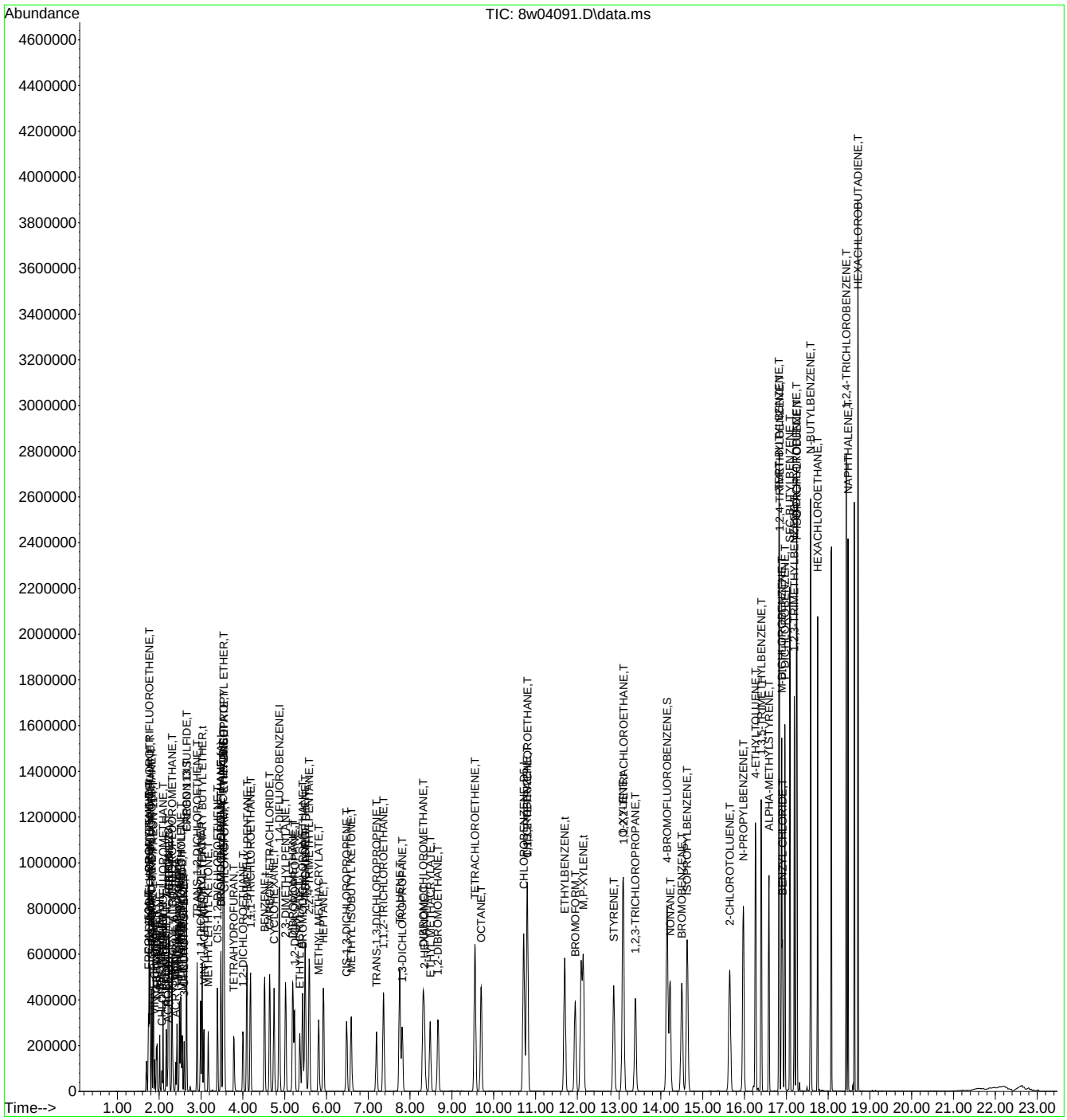
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04091.D
Acq On : 30 Jan 2024 02:02 pm
Operator : taylors
Sample : bs
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:08:24 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



Manual Integration Approval Summary

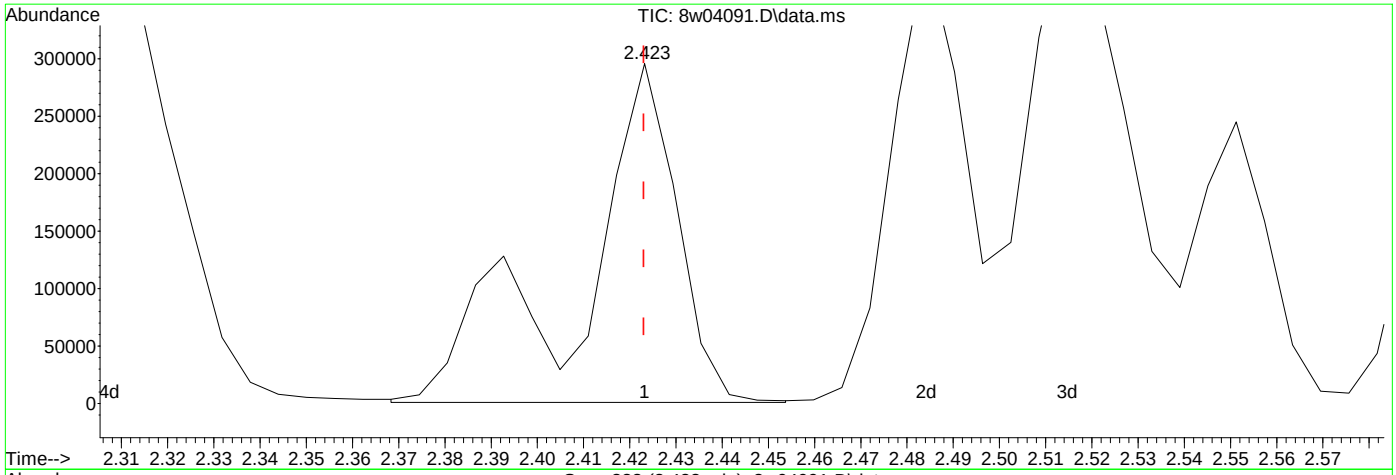
Sample Number:	V8W162-BS	**Method:**	TO-15
Lab FileID:	8W04091.D	**Analyst approved:**	01/31/24 11:39 Taylor Sauter
Injection Time:	01/30/24 14:02	**Supervisor approved:**	01/31/24 13:01 Kanya Veerawat

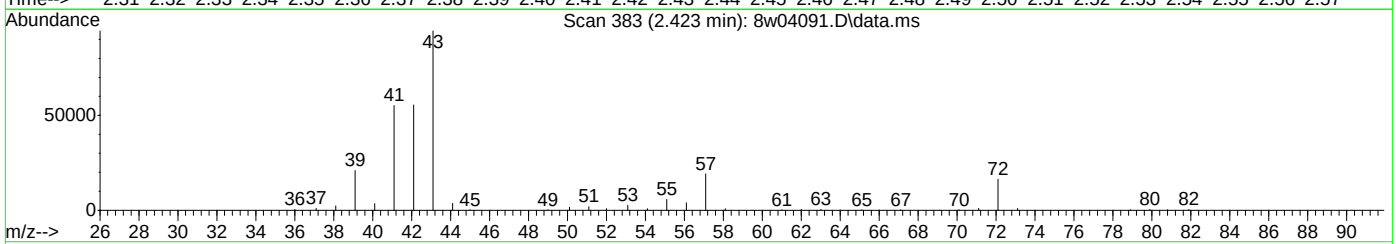
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Overlapping peak

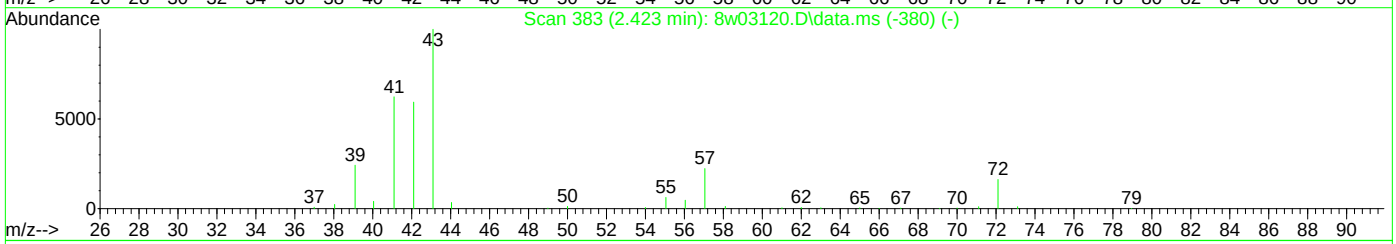
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04091.D
Acq On : 30 Jan 2024 02:02 pm
Operator : taylors
Sample : bs
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 14:40:23 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration







TIC: 8w04091.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 13.75PPBV

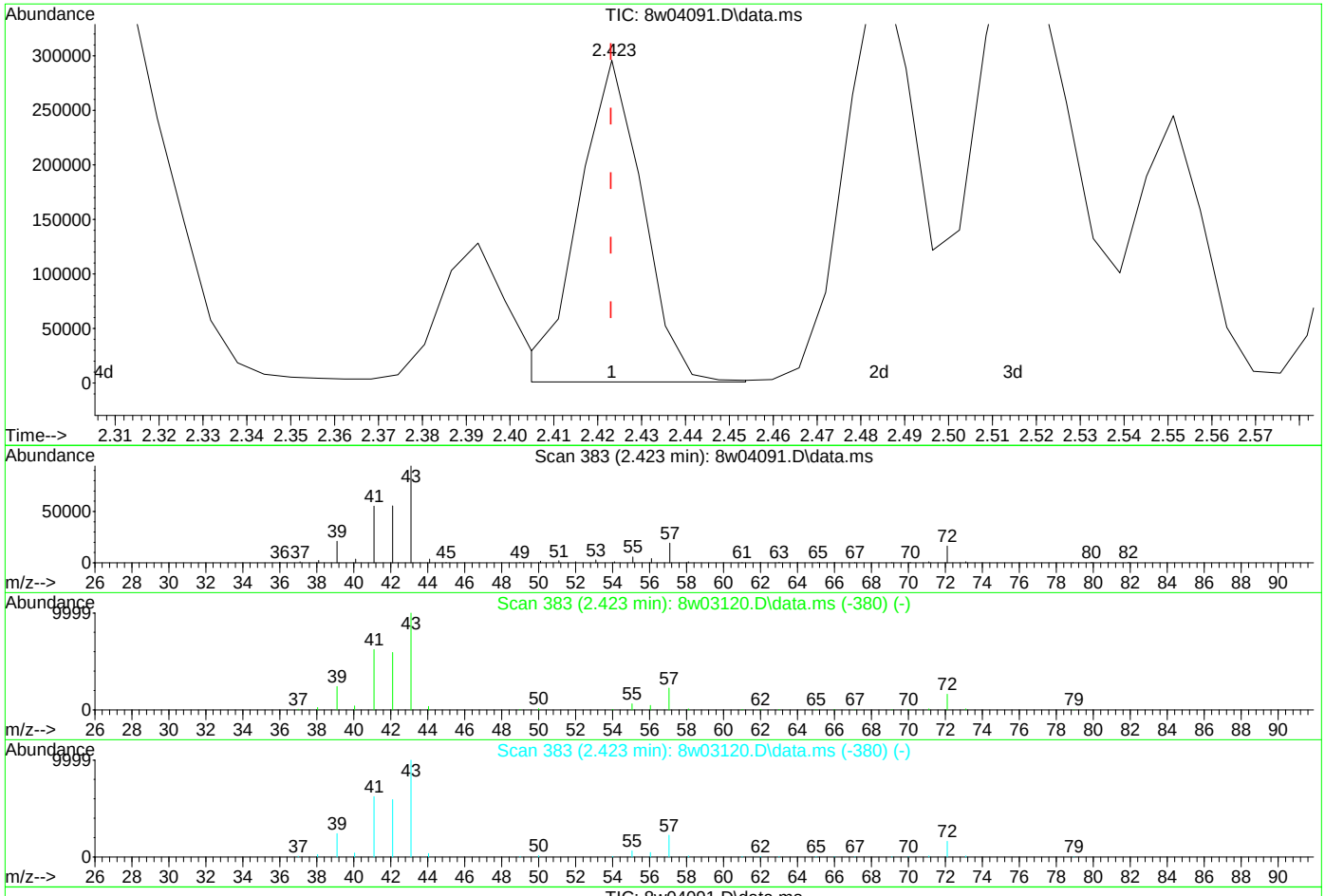
response 430864

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04091.D
Acq On : 30 Jan 2024 02:02 pm
Operator : taylors
Sample : bs
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 14:40:23 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



TIC: 8w04091.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 9.37PPBV m

response 293495

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/31/24 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04092.D
Acq On : 30 Jan 2024 02:38 pm
Operator : taylors
Sample : bsd
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:11:52 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	152157	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	779520	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.721	117	725685	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	152157	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.153	95	537500	9.61	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	78634	8.53	PPBV		91
4) CHLORODIFLUOROMETHANE	1.753	67	34400	9.10	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.765	116	195767	11.27	PPBV		91
6) DICHLORODIFLUOROMETHANE	1.783	85	306116	10.69	PPBV		97
7) PROPYLENE	1.765	41	61115	7.63	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	184795	9.49	PPBV	#	99
9) FREON 114	1.856	85	239954	10.91	PPBV		97
10) CHLOROMETHANE	1.826	52	15789	10.19	PPBV		93
11) VINYL CHLORIDE	1.893	62	70234	10.16	PPBV		98
12) 1,3-BUTADIENE	1.936	54	47963	10.14	PPBV		98
13) N-BUTANE	1.948	43	79776	10.01	PPBV		100
14) BROMOMETHANE	2.015	94	87890	11.94	PPBV		99
15) CHLOROETHANE	2.064	64	41177	10.76	PPBV		96
16) DICHLOROFLUOROMETHANE	2.094	67	188540	10.22	PPBV		98
17) ACETONITRILE	2.161	41	48043	10.84	PPBV		98
18) ACROLEIN	2.204	56	25693	8.24	PPBV		98
19) FREON 123	2.222	83	210943	11.43	PPBV		98
20) FREON 123A	2.240	117	139176	11.48	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.307	101	283014	10.48	PPBV		99
22) ISOPROPYL ALCOHOL	2.320	45	123971	9.87	PPBV		98
23) ACETONE	2.246	58	36133	10.55	PPBV		83
24) PENTANE	2.423	42	55074	10.47	PPBV		96
25) IODOMETHANE	2.484	142	244647	11.98	PPBV		89
26) 1,1-DICHLOROETHYLENE	2.515	96	84900	11.31	PPBV		79
27) CARBON DISULFIDE	2.655	76	156293	10.64	PPBV	#	100
28) ETHANOL	2.094	45	27103	10.16	PPBV		98
29) BROMOETHENE	2.173	106	92783	12.33	PPBV		98
30) ACRYLONITRILE	2.393	52	45135	9.79	PPBV		99
31) METHYLENE CHLORIDE	2.551	84	71292	10.75	PPBV		92
32) 3-CHLOROPROPENE	2.594	76	34470	10.86	PPBV		88
33) FREON 113	2.655	151	162284	10.76	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	2.905	96	161443	12.51	PPBV	#	82
35) TERTIARY BUTYL ALCOHOL	2.527	59	129930	8.14	PPBV		95
36) METHYL TERTIARY BUTYL ...	3.027	73	380521	10.93	PPBV	#	95
37) TETRAHYDROFURAN	3.789	72	72092	11.63	PPBV	#	71
38) HEXANE	3.533	57	174449	8.61	PPBV		95
39) VINYL ACETATE	3.069	86	42082	13.07	PPBV	#	30
40) 1,1-DICHLOROETHANE	2.990	63	235563	10.12	PPBV		97
41) METHYL ETHYL KETONE	3.173	72	74831	10.96	PPBV	#	54
42) CIS-1,2-DICHLOROETHENE	3.393	96	168129	11.95	PPBV	#	82
43) DIISOPROPYL ETHER	3.539	59	52804	8.26	PPBV		83
44) ETHYL ACETATE	3.545	61	35761	9.49	PPBV	#	65
45) METHYL ACRYLATE	3.527	55	205703	8.48	PPBV	#	98
46) CHLOROFORM	3.557	83	292764	10.54	PPBV	#	96
47) 2,4-DIMETHYLPENTANE	4.100	57	227093	8.97	PPBV	#	93
48) 1,1,1-TRICHLOROETHANE	4.185	97	300867	11.10	PPBV		96
49) CARBON TETRACHLORIDE	4.642	117	303711	11.30	PPBV		100
50) 1,2-DICHLOROETHANE	4.008	62	180967	8.80	PPBV	#	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04092.D
Acq On : 30 Jan 2024 02:38 pm
Operator : taylors
Sample : bsd
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:11:52 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.520	78	456128	11.41	PPBV		88
53)	CYCLOHEXANE	4.746	84	214594	12.02	PPBV	#	77
54)	2,3-DIMETHYLPENTANE	5.026	71	102955	10.72	PPBV	#	66
55)	TRICHLOROETHENE	5.490	95	216041	11.29	PPBV		100
56)	1,2-DICHLOROPROPANE	5.240	63	149757	9.04	PPBV		97
57)	DIBROMOMETHANE	5.197	174	220254	11.77	PPBV		92
58)	ETHYL ACRYLATE	5.368	55	274275	8.96	PPBV	#	97
59)	BROMODICHLOROMETHANE	5.435	83	321808	11.20	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.593	57	597638	8.41	PPBV	#	99
61)	1,4-DIOXANE	5.502	88	115153	11.13	PPBV	#	81
62)	HEPTANE	5.929	43	172109	8.01	PPBV	#	78
63)	METHYL METHACRYLATE	5.819	69	165427	10.87	PPBV	#	75
64)	METHYL ISOBUTYL KETONE	6.593	58	120280	8.42	PPBV	#	84
65)	CIS-1,3-DICHLOROPROPENE	6.483	75	240202	11.23	PPBV	#	87
66)	TOLUENE	7.758	91	594550	11.83	PPBV		99
67)	1,3-DICHLOROPROPANE	7.813	76	277415	11.08	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.203	75	209457	11.35	PPBV	#	89
69)	1,1,2-TRICHLOROETHANE	7.367	83	169363	11.00	PPBV		100
70)	2-HEXANONE	8.349	58	167250	8.84	PPBV	#	87
71)	ETHYL METHACRYLATE	8.483	69	271690	11.23	PPBV	#	84
72)	TETRACHLOROETHENE	9.556	164	258810	12.40	PPBV		93
73)	DIBROMOCHLOROMETHANE	8.312	129	315751	11.07	PPBV		99
74)	1,2-DIBROMOETHANE	8.672	107	320996	11.79	PPBV		100
75)	OCTANE	9.702	43	239763	8.06	PPBV	#	76
77)	1,1,1,2-TETRACHLOROETHANE	10.812	131	231504	10.81	PPBV		99
78)	CHLOROBENZENE	10.800	112	486729	11.41	PPBV		96
79)	ETHYLBENZENE	11.702	91	783880	11.79	PPBV		98
80)	M,P-XYLENE	12.141	91	1213220	23.42	PPBV		100
81)	O-XYLENE	13.092	91	612626	11.75	PPBV		98
82)	STYRENE	12.879	104	459650	11.88	PPBV		97
83)	NONANE	14.220	43	249426	7.47	PPBV	#	83
84)	BROMOFORM	11.952	173	319436	11.88	PPBV	#	99
85)	1,1,2,2-TETRACHLOROETHANE	13.104	83	427269	11.21	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	13.391	75	334607	10.75	PPBV		100
88)	ISOPROPYLBENZENE	14.634	120	236321	11.39	PPBV		93
89)	BROMOBENZENE	14.500	77	417475	10.98	PPBV		92
90)	2-CHLOROTOLUENE	15.646	126	215874	11.46	PPBV		99
91)	N-PROPYLBENZENE	15.976	120	247321	11.68	PPBV		100
92)	4-ETHYLTOLUENE	16.262	105	893157	12.23	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.402	105	741627	12.02	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.585	118	261252	8.83	PPBV		98
95)	TERT-BUTYLBENZENE	16.823	134	164694	11.27	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.835	105	704121	11.62	PPBV		98
97)	BENZYL CHLORIDE	16.908	91	321415	10.04	PPBV		98
98)	M-DICHLOROBENZENE	16.890	146	497055	11.73	PPBV		98
99)	P-DICHLOROBENZENE	16.963	146	506486	11.91	PPBV		99
100)	O-DICHLOROBENZENE	17.244	146	469198	11.84	PPBV		98
101)	SEC-BUTYLBENZENE	17.085	134	209827	11.46	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	736350	11.81	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.256	134	224817	11.29	PPBV		95
104)	N-BUTYLBENZENE	17.579	134	222457	11.91	PPBV		92
105)	HEXACHLOROETHANE	17.750	117	222389	11.04	PPBV	#	91
106)	HEXACHLOROBUTADIENE	18.713	225	462888	12.67	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.433	180	525830	13.31	PPBV		98
108)	NAPHTHALENE	18.475	128	1046295	12.14	PPBV		99
110)	TVHC as equiv Pentane	2.423	TIC	298093m	9.64	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04092.D
Acq On : 30 Jan 2024 02:38 pm
Operator : taylors
Sample : bsd
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:11:52 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

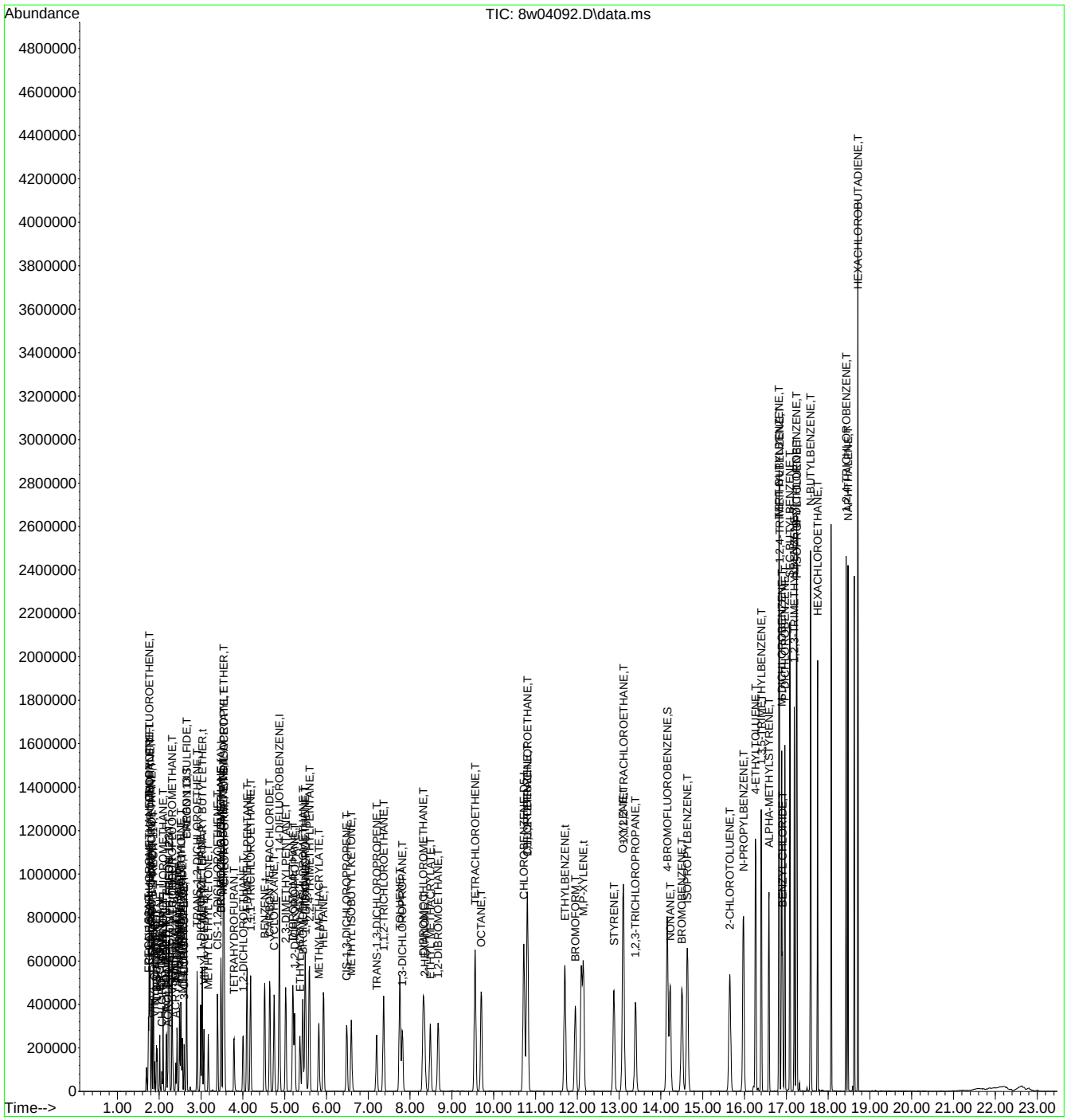
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04092.D
Acq On : 30 Jan 2024 02:38 pm
Operator : taylors
Sample : bsd
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:11:52 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



Manual Integration Approval Summary

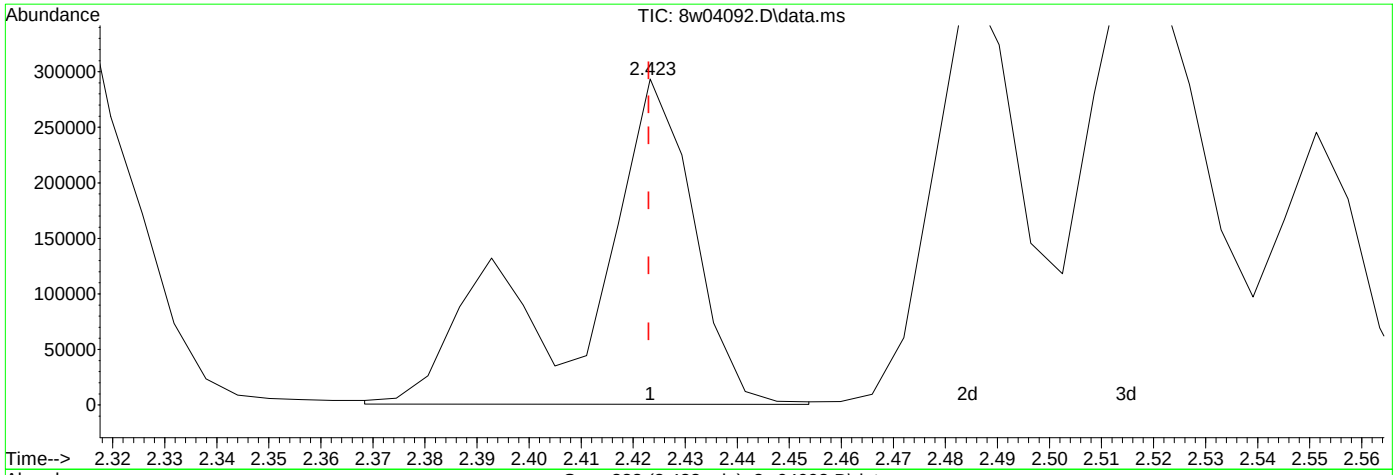
Sample Number:	V8W162-BSD	**Method:**	TO-15
Lab FileID:	8W04092.D	**Analyst approved:**	01/31/24 11:42 Taylor Sauter
Injection Time:	01/30/24 14:38	**Supervisor approved:**	01/31/24 13:01 Kanya Veerawat

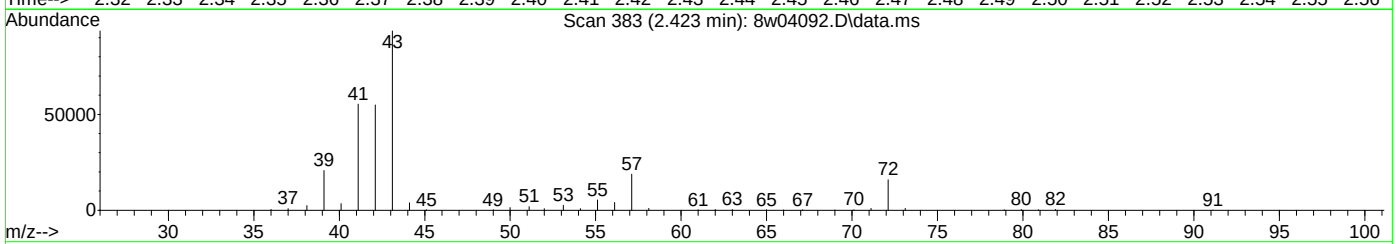
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Overlapping peak

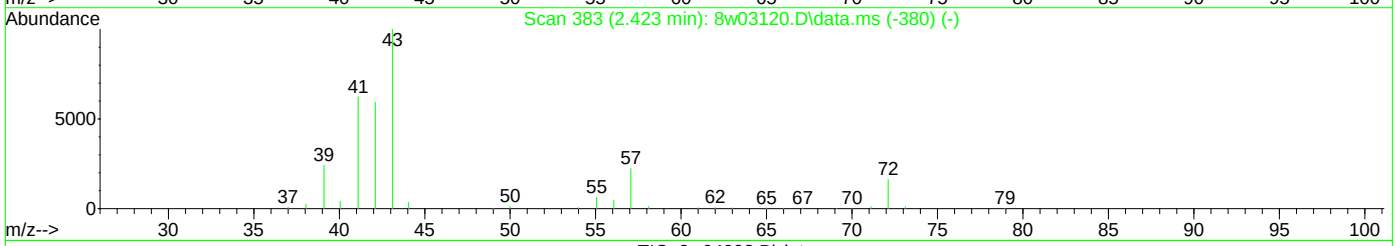
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04092.D
Acq On : 30 Jan 2024 02:38 pm
Operator : taylors
Sample : bsd
Misc : MS77312,V8W0161,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 15:12:03 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration







TIC: 8w04092.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 14.04PPBV

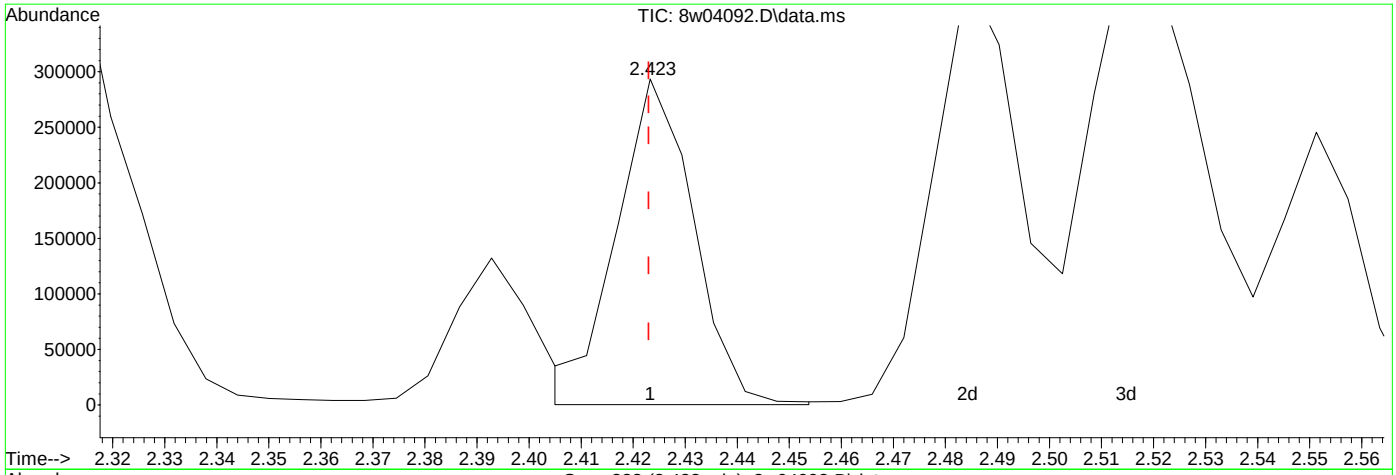
response 434043

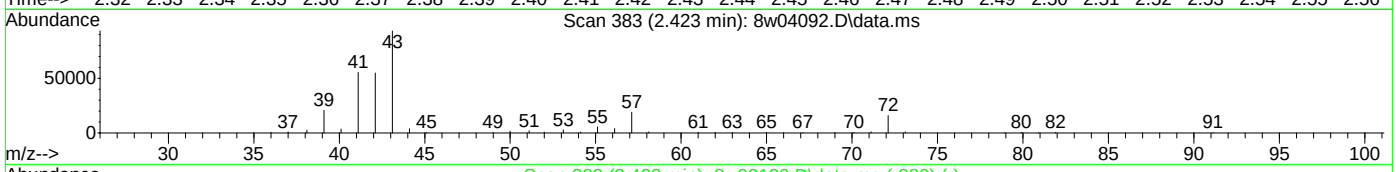
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

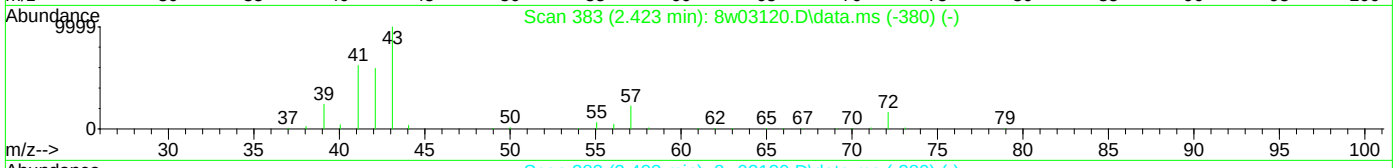
Quantitation Report (Qedit)

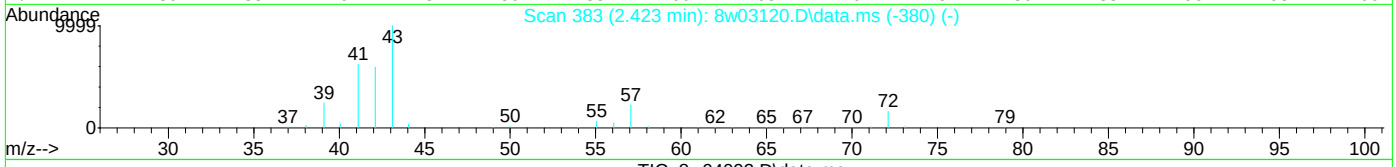
Data Path : C:\msdchem\1\data\8w\
Data File : 8w04092.D
Acq On : 30 Jan 2024 02:38 pm
Operator : taylors
Sample : bsd
Misc : MS77312,V8W0161,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 15:12:03 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration









TIC: 8w04092.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 9.64PPBV m

response 298093

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03733.D
Acq On : 6 Oct 2023 9:58 am
Operator : taylors
Sample : bs
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:55:11 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.444	128	42415	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.791	114	211151	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.527	117	199442	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.444	128	42415	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.929	95	157811	10.35	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	42119	10.31	PPBV		92
4) CHLORODIFLUOROMETHANE	1.753	67	19098	10.99	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.766	116	77409	9.31	PPBV		75
6) DICHLORODIFLUOROMETHANE	1.782	85	198259	11.25	PPBV		98
7) PROPYLENE	1.763	41	78363	11.13	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.824	65	164099	12.22	PPBV		96
9) FREON 114	1.859	85	162327	11.54	PPBV		93
10) CHLOROMETHANE	1.830	52	29488	12.57	PPBV		93
11) VINYL CHLORIDE	1.894	62	80105	11.84	PPBV		100
12) 1,3-BUTADIENE	1.936	54	74936	12.37	PPBV		91
13) N-BUTANE	1.952	43	171846	13.08	PPBV		98
14) BROMOMETHANE	2.017	94	54023	10.93	PPBV		99
15) CHLOROETHANE	2.068	64	39304	11.30	PPBV		96
16) DICHLOROFLUOROMETHANE	2.094	67	154430	11.65	PPBV		97
17) ACETONITRILE	2.168	41	108543	13.09	PPBV		99
18) ACROLEIN	2.209	56	44336	11.83	PPBV		98
19) FREON 123	2.226	83	137984	11.16	PPBV		99
20) FREON 123A	2.242	117	73719	10.43	PPBV		86
21) TRICHLOROFLUOROMETHANE	2.312	101	170121	11.19	PPBV		99
22) ISOPROPYL ALCOHOL	2.332	45	228982	12.82	PPBV		99
23) ACETONE	2.251	58	43614	9.90	PPBV		77
24) PENTANE	2.431	42	118648	13.77	PPBV		98
25) IODOMETHANE	2.489	142	129492	9.99	PPBV		93
26) 1,1-DICHLOROETHYLENE	2.518	96	54400	10.93	PPBV		89
27) CARBON DISULFIDE	2.656	76	150084	11.40	PPBV	#	90
28) ETHANOL	2.100	45	55798	11.59	PPBV		100
29) BROMOETHENE	2.177	106	51827	10.75	PPBV		98
30) ACRYLONITRILE	2.399	52	73822	12.44	PPBV		99
31) METHYLENE CHLORIDE	2.554	84	51614	11.26	PPBV		83
32) 3-CHLOROPROPENE	2.599	76	29037	11.00	PPBV	#	57
33) FREON 113	2.653	151	84265	10.48	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.898	96	62367	10.69	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.537	59	197249	11.92	PPBV		93
36) METHYL TERTIARY BUTYL ...	3.013	73	195338	10.85	PPBV		98
37) TETRAHYDROFURAN	3.746	72	33861	11.31	PPBV		84
38) HEXANE	3.499	57	150849	11.49	PPBV		92
39) VINYL ACETATE	3.052	86	17987	11.30	PPBV		64
40) 1,1-DICHLOROETHANE	2.978	63	147273	11.48	PPBV		100
41) METHYL ETHYL KETONE	3.155	72	36261	10.94	PPBV		76
42) CIS-1,2-DICHLOROETHENE	3.364	96	68886	10.96	PPBV		95
43) DIISOPROPYL ETHER	3.505	59	45055	11.85	PPBV		77
44) ETHYL ACETATE	3.508	61	27595	12.09	PPBV		71
45) METHYL ACRYLATE	3.492	55	204065	12.32	PPBV	#	99
46) CHLOROFORM	3.521	83	146615	11.75	PPBV		97
47) 2,4-DIMETHYLPENTANE	4.042	57	176208	11.19	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.126	97	145330	11.21	PPBV		98
49) CARBON TETRACHLORIDE	4.570	117	144816	10.96	PPBV		100
50) 1,2-DICHLOROETHANE	3.952	62	118384	11.62	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03733.D
Acq On : 6 Oct 2023 9:58 am
Operator : taylors
Sample : bs
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:55:11 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) BENZENE	4.454	78	209025	10.83	PPBV	96
53) CYCLOHEXANE	4.672	84	88661	11.23	PPBV	95
54) 2,3-DIMETHYLPENTANE	4.939	71	49340	11.39	PPBV	93
55) TRICHLOROETHENE	5.389	95	91114	11.22	PPBV	93
56) 1,2-DICHLOROPROPANE	5.148	63	97255	11.93	PPBV	99
57) DIBROMOMETHANE	5.106	174	76533	10.36	PPBV	94
58) ETHYL ACRYLATE	5.270	55	250033	12.44	PPBV	99
59) BROMODICHLOROMETHANE	5.335	83	163658	12.37	PPBV	100
60) 2,2,4-TRIMETHYLPENTANE	5.489	57	477428	11.69	PPBV	99
61) 1,4-DIOXANE	5.409	88	51320	12.11	PPBV	94
62) HEPTANE	5.817	43	210763	13.05	PPBV	93
63) METHYL METHACRYLATE	5.708	69	86058	11.51	PPBV	85
64) METHYL ISOBUTYL KETONE	6.473	58	98645	11.83	PPBV	84
65) CIS-1,3-DICHLOROPROPENE	6.360	75	122955	11.49	PPBV	89
66) TOLUENE	7.605	91	251913	11.05	PPBV	98
67) 1,3-DICHLOROPROPANE	7.663	76	131519	11.74	PPBV	100
68) TRANS-1,3-DICHLOROPROPENE	7.058	75	115052	11.88	PPBV	89
69) 1,1,2-TRICHLOROETHANE	7.222	83	75830	11.83	PPBV	96
70) 2-HEXANONE	8.196	58	143085	11.29	PPBV	84
71) ETHYL METHACRYLATE	8.319	69	143328	11.62	PPBV	88
72) TETRACHLOROETHENE	9.376	164	87890	10.00	PPBV	98
73) DIBROMOCHLOROMETHANE	8.155	129	146118	11.56	PPBV	99
74) 1,2-DIBROMOETHANE	8.505	107	132128	11.60	PPBV	100
75) OCTANE	9.521	43	298460	12.97	PPBV	93
77) 1,1,1,2-TETRACHLOROETHANE	10.618	131	103885	10.32	PPBV	90
78) CHLOROBENZENE	10.601	112	190204	10.11	PPBV	94
79) ETHYLBENZENE	11.502	91	341002	10.98	PPBV	100
80) M,P-XYLENE	11.933	91	531582	21.89	PPBV	98
81) O-XYLENE	12.881	91	273350	10.98	PPBV	99
82) STYRENE	12.662	104	195716	11.13	PPBV	98
83) NONANE	14.003	43	322058	13.16	PPBV	91
84) BROMOFORM	11.749	173	137228	11.62	PPBV	99
85) 1,1,2,2-TETRACHLOROETHANE	12.891	83	208647	12.09	PPBV	99
86) 1,2,3-TRICHLOROPROPANE	13.177	75	163482	11.63	PPBV	100
88) ISOPROPYLBENZENE	14.408	120	95198	10.43	PPBV	91
89) BROMOBENZENE	14.283	77	201282	11.41	PPBV	92
90) 2-CHLOROTOLUENE	15.421	126	87041	10.48	PPBV	99
91) N-PROPYLBENZENE	15.759	120	100555	10.97	PPBV	99
92) 4-ETHYLTOLUENE	16.138	105	381780	11.64	PPBV	97
93) 1,3,5-TRIMETHYLBENZENE	16.296	105	320329	11.34	PPBV	97
94) ALPHA-METHYLSTYRENE	16.498	118	155622	11.44	PPBV	99
95) TERT-BUTYLBENZENE	16.759	134	71653	10.32	PPBV	93
96) 1,2,4-TRIMETHYLBENZENE	16.765	105	332812	11.69	PPBV	94
97) BENZYL CHLORIDE	16.849	91	248113	13.72	PPBV	98
98) M-DICHLOROBENZENE	16.826	146	196841	10.99	PPBV	99
99) P-DICHLOROBENZENE	16.910	146	195721	11.03	PPBV	99
100) O-DICHLOROBENZENE	17.206	146	189477	11.00	PPBV	99
101) SEC-BUTYLBENZENE	17.042	134	90548	10.64	PPBV	83
102) 1,2,3-TRIMETHYLBENZENE	17.151	105	328963	11.37	PPBV	97
103) P-ISOPROPYLTOLUENE	17.219	134	99896	10.88	PPBV	95
104) N-BUTYLBENZENE	17.566	134	92663	11.04	PPBV	74
105) HEXACHLOROETHANE	17.746	117	123036	11.83	PPBV	99
106) HEXACHLOROBUTADIENE	18.788	225	160532	10.64	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.479	180	149735	11.56	PPBV	99
108) NAPHTHALENE	18.527	128	392031	11.48	PPBV	100
110) TVHC as equiv Pentane	2.431	TIC	522750	12.72	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03733.D
Acq On : 6 Oct 2023 9:58 am
Operator : taylors
Sample : bs
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:55:11 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

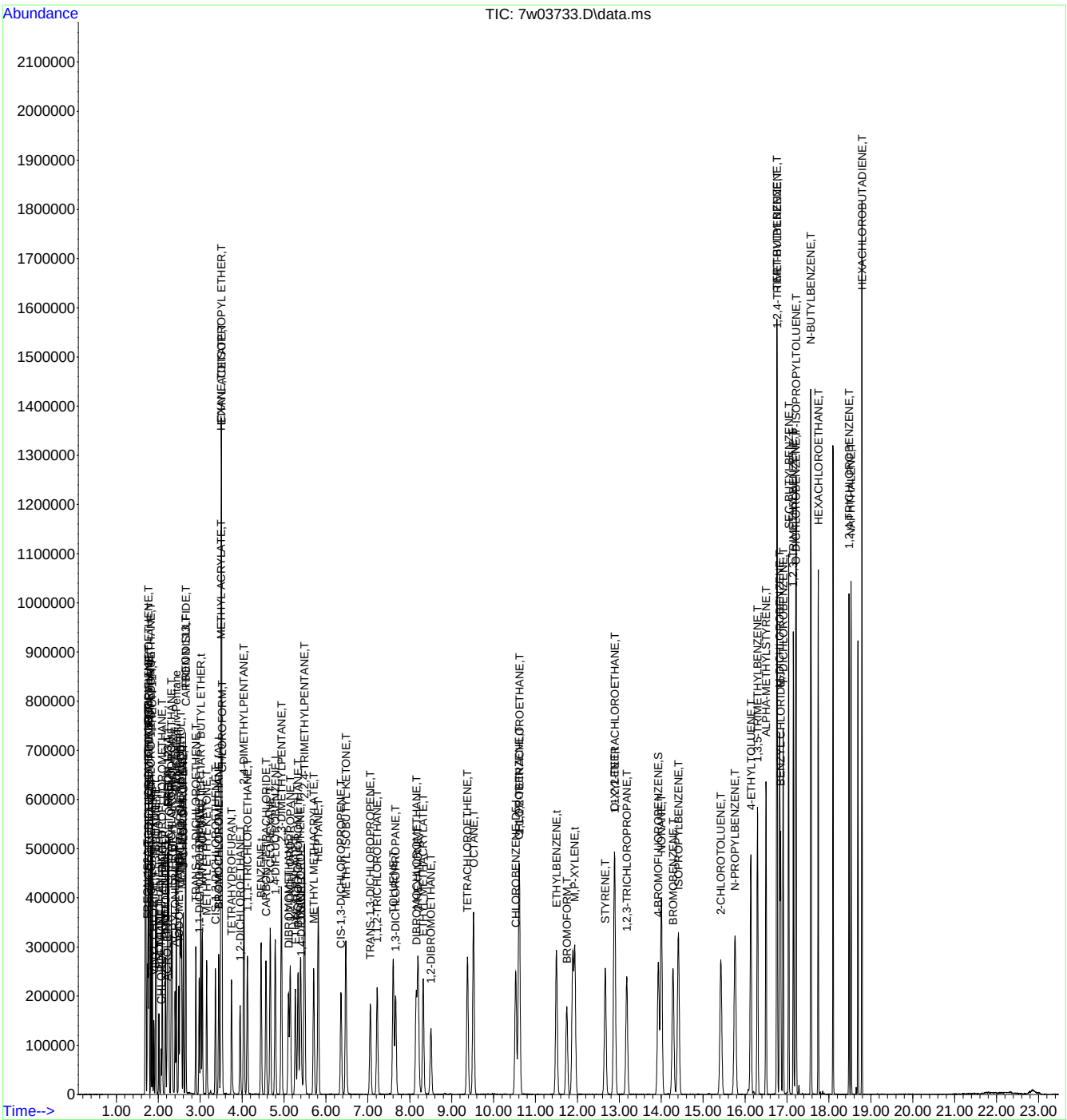
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03733.D
Acq On : 6 Oct 2023 9:58 am
Operator : taylors
Sample : bs
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:55:11 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03734.D
Acq On : 6 Oct 2023 10:33 am
Operator : taylors
Sample : bsd
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 15:28:48 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.444	128	44816	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.791	114	221785	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.531	117	208794	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.444	128	44816	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.932	95	167094	10.46	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	44331	10.27	PPBV		94
4) CHLORODIFLUOROMETHANE	1.750	67	19869	10.82	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.766	116	79733	9.08	PPBV		74
6) DICHLORODIFLUOROMETHANE	1.782	85	205826	11.05	PPBV		98
7) PROPYLENE	1.762	41	80036	10.76	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.824	65	169251	11.93	PPBV		96
9) FREON 114	1.859	85	168078	11.31	PPBV		92
10) CHLOROMETHANE	1.830	52	31135	12.57	PPBV		95
11) VINYL CHLORIDE	1.894	62	82638	11.56	PPBV		100
12) 1,3-BUTADIENE	1.936	54	77187	12.06	PPBV		91
13) N-BUTANE	1.952	43	176450	12.71	PPBV		97
14) BROMOMETHANE	2.016	94	55286	10.59	PPBV		99
15) CHLOROETHANE	2.068	64	40758	11.09	PPBV		96
16) DICHLOROFLUOROMETHANE	2.094	67	160673	11.48	PPBV		98
17) ACETONITRILE	2.168	41	112084	12.80	PPBV		100
18) ACROLEIN	2.209	56	46086	11.63	PPBV		100
19) FREON 123	2.225	83	143829	11.01	PPBV		99
20) FREON 123A	2.242	117	76037	10.18	PPBV		87
21) TRICHLOROFLUOROMETHANE	2.312	101	173797	10.82	PPBV		100
22) ISOPROPYL ALCOHOL	2.332	45	234816	12.45	PPBV		99
23) ACETONE	2.251	58	44478	9.56	PPBV		77
24) PENTANE	2.431	42	121442	13.34	PPBV		98
25) IODOMETHANE	2.489	142	132889	9.70	PPBV		92
26) 1,1-DICHLOROETHYLENE	2.518	96	56363	10.72	PPBV		90
27) CARBON DISULFIDE	2.656	76	156806	11.27	PPBV	#	91
28) ETHANOL	2.100	45	57188	11.24	PPBV		100
29) BROMOETHENE	2.177	106	53265	10.45	PPBV		98
30) ACRYLONITRILE	2.399	52	77357	12.34	PPBV		98
31) METHYLENE CHLORIDE	2.553	84	52435	10.83	PPBV		83
32) 3-CHLOROPROPENE	2.598	76	30605	10.97	PPBV		63
33) FREON 113	2.653	151	86682	10.20	PPBV		90
34) TRANS-1,2-DICHLOROETHENE	2.897	96	64771	10.50	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.534	59	203653	11.64	PPBV		93
36) METHYL TERTIARY BUTYL ...	3.013	73	202930	10.67	PPBV		98
37) TETRAHYDROFURAN	3.746	72	35576	11.25	PPBV		88
38) HEXANE	3.499	57	155978	11.24	PPBV		92
39) VINYL ACETATE	3.052	86	19369	11.52	PPBV		77
40) 1,1-DICHLOROETHANE	2.978	63	151876	11.21	PPBV		99
41) METHYL ETHYL KETONE	3.155	72	36993	10.56	PPBV		76
42) CIS-1,2-DICHLOROETHENE	3.364	96	70026	10.55	PPBV		94
43) DIISOPROPYL ETHER	3.505	59	46610	11.60	PPBV		78
44) ETHYL ACETATE	3.508	61	28717	11.91	PPBV		75
45) METHYL ACRYLATE	3.492	55	210957	12.05	PPBV	#	99
46) CHLOROFORM	3.521	83	150807	11.44	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.042	57	181967	10.94	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.126	97	149659	10.92	PPBV		97
49) CARBON TETRACHLORIDE	4.569	117	151033	10.81	PPBV		99
50) 1,2-DICHLOROETHANE	3.952	62	122160	11.35	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03734.D
Acq On : 6 Oct 2023 10:33 am
Operator : taylors
Sample : bsd
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 15:28:48 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) BENZENE	4.450	78	216441	10.61	PPBV	96
53) CYCLOHEXANE	4.672	84	92055	11.10	PPBV	96
54) 2,3-DIMETHYLPENTANE	4.939	71	50782	11.16	PPBV	92
55) TRICHLOROETHENE	5.393	95	94078	11.02	PPBV	94
56) 1,2-DICHLOROPROPANE	5.148	63	99711	11.65	PPBV	99
57) DIBROMOMETHANE	5.106	174	79788	10.28	PPBV	94
58) ETHYL ACRYLATE	5.270	55	260714	12.35	PPBV	99
59) BROMODICHLOROMETHANE	5.335	83	167973	12.09	PPBV	99
60) 2,2,4-TRIMETHYLPENTANE	5.489	57	496349	11.57	PPBV	99
61) 1,4-DIOXANE	5.412	88	53626	12.05	PPBV	95
62) HEPTANE	5.817	43	215899	12.72	PPBV	94
63) METHYL METHACRYLATE	5.708	69	89809	11.44	PPBV	85
64) METHYL ISOBUTYL KETONE	6.476	58	102182	11.67	PPBV	85
65) CIS-1,3-DICHLOROPROPENE	6.360	75	127964	11.39	PPBV	89
66) TOLUENE	7.608	91	262394	10.96	PPBV	98
67) 1,3-DICHLOROPROPANE	7.663	76	137100	11.65	PPBV	99
68) TRANS-1,3-DICHLOROPROPENE	7.058	75	119444	11.74	PPBV	90
69) 1,1,2-TRICHLOROETHANE	7.225	83	79149	11.76	PPBV	96
70) 2-HEXANONE	8.196	58	148368	11.15	PPBV	85
71) ETHYL METHACRYLATE	8.318	69	151072	11.66	PPBV	90
72) TETRACHLOROETHENE	9.383	164	90812	9.84	PPBV	98
73) DIBROMOCHLOROMETHANE	8.151	129	151130	11.38	PPBV	99
74) 1,2-DIBROMOETHANE	8.505	107	137964	11.53	PPBV	100
75) OCTANE	9.521	43	309161	12.79	PPBV	94
77) 1,1,1,2-TETRACHLOROETHANE	10.617	131	108747	10.32	PPBV	92
78) CHLOROBENZENE	10.605	112	199473	10.13	PPBV	95
79) ETHYLBENZENE	11.498	91	355026	10.92	PPBV	100
80) M,P-XYLENE	11.936	91	550246	21.64	PPBV	98
81) O-XYLENE	12.881	91	285023	10.94	PPBV	98
82) STYRENE	12.666	104	203768	11.07	PPBV	98
83) NONANE	14.006	43	332168	12.96	PPBV	91
84) BROMOFORM	11.749	173	142147	11.49	PPBV	100
85) 1,1,2,2-TETRACHLOROETHANE	12.891	83	217610	12.05	PPBV	99
86) 1,2,3-TRICHLOROPROPANE	13.174	75	170466	11.59	PPBV	100
88) ISOPROPYLBENZENE	14.411	120	99558	10.42	PPBV	91
89) BROMOBENZENE	14.283	77	210993	11.43	PPBV	91
90) 2-CHLOROTOLUENE	15.424	126	90093	10.36	PPBV	99
91) N-PROPYLBENZENE	15.759	120	103700	10.80	PPBV	99
92) 4-ETHYLTOLUENE	16.138	105	400791	11.67	PPBV	96
93) 1,3,5-TRIMETHYLBENZENE	16.296	105	331354	11.20	PPBV	97
94) ALPHA-METHYLSTYRENE	16.498	118	160091	11.24	PPBV	98
95) TERT-BUTYLBENZENE	16.759	134	73989	10.18	PPBV	91
96) 1,2,4-TRIMETHYLBENZENE	16.768	105	344993	11.58	PPBV	95
97) BENZYL CHLORIDE	16.849	91	256212	13.53	PPBV	98
98) M-DICHLOROBENZENE	16.826	146	203414	10.85	PPBV	99
99) P-DICHLOROBENZENE	16.910	146	202097	10.88	PPBV	99
100) O-DICHLOROBENZENE	17.202	146	196077	10.88	PPBV	99
101) SEC-BUTYLBENZENE	17.038	134	92671	10.40	PPBV	78
102) 1,2,3-TRIMETHYLBENZENE	17.151	105	344516	11.37	PPBV	97
103) P-ISOPROPYLTOLUENE	17.218	134	102200	10.63	PPBV	93
104) N-BUTYLBENZENE	17.566	134	96391	10.97	PPBV	76
105) HEXACHLOROETHANE	17.743	117	128528	11.80	PPBV	98
106) HEXACHLOROBUTADIENE	18.784	225	164337	10.41	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.476	180	148999	10.98	PPBV	99
108) NAPHTHALENE	18.524	128	391439	10.94	PPBV	100
110) TVHC as equiv Pentane	2.431	TIC	535957	12.34	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03734.D
Acq On : 6 Oct 2023 10:33 am
Operator : taylors
Sample : bsd
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 15:28:48 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

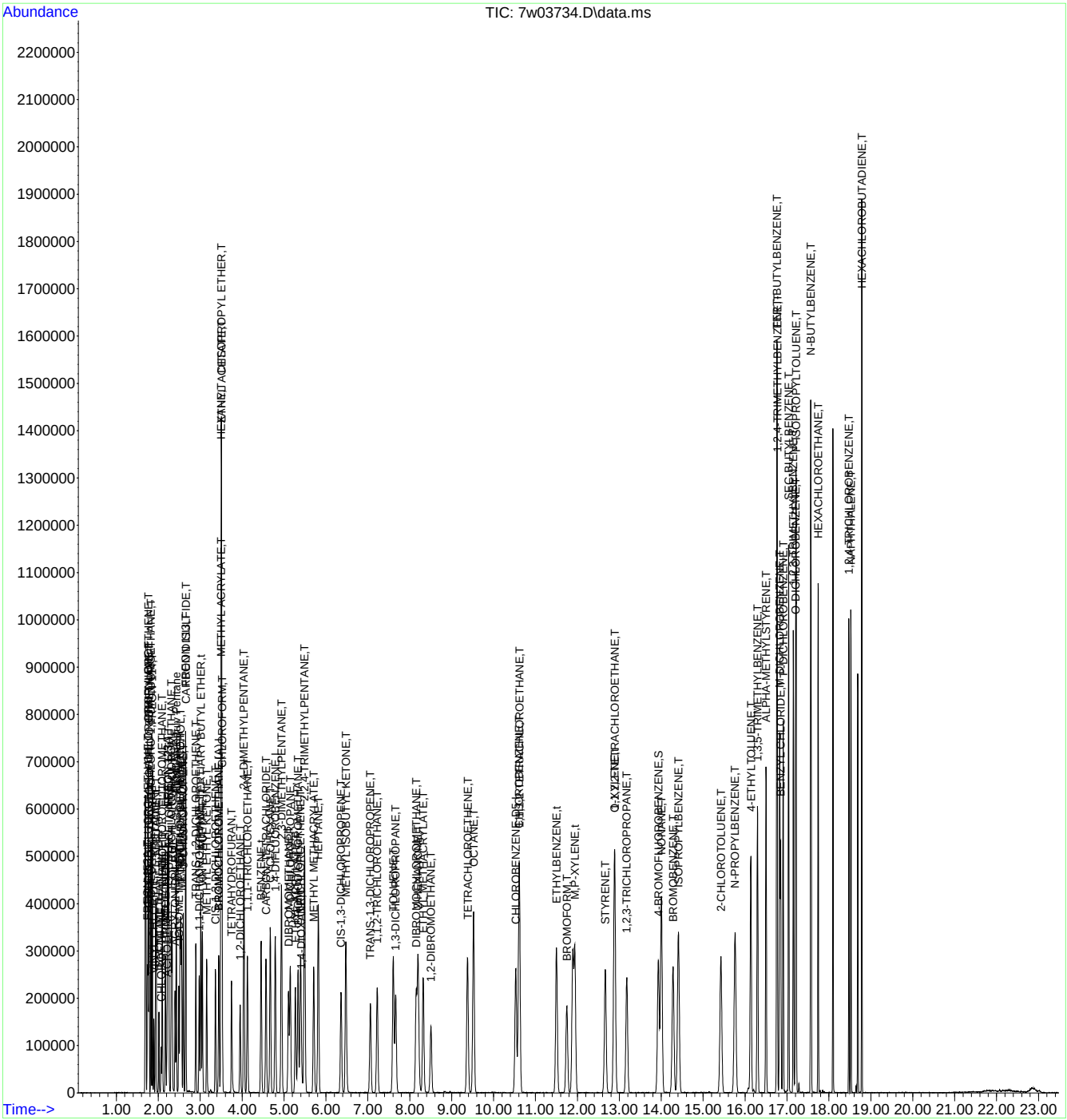
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03734.D
Acq On : 6 Oct 2023 10:33 am
Operator : taylors
Sample : bsd
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 15:28:48 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/26/23 22:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03779.D
Acq On : 7 Oct 2023 3:05 pm
Operator : taylors
Sample : bs
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:28:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.447	128	47171	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.794	114	240255	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.527	117	224544	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.447	128	47171	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.929	95	184141	10.72	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	52658m	11.59	PPBV		
4) CHLORODIFLUOROMETHANE	1.753	67	23359	12.09	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.766	116	91844	9.93	PPBV		83
6) DICHLORODIFLUOROMETHANE	1.782	85	223098	11.38	PPBV		98
7) PROPYLENE	1.762	41	98530	12.58	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.823	65	181405	12.15	PPBV		98
9) FREON 114	1.859	85	169022	10.80	PPBV		93
10) CHLOROMETHANE	1.830	52	32155	12.33	PPBV		95
11) VINYL CHLORIDE	1.894	62	85407	11.35	PPBV		100
12) 1,3-BUTADIENE	1.936	54	81437	12.09	PPBV		93
13) N-BUTANE	1.952	43	186574	12.77	PPBV		97
14) BROMOMETHANE	2.016	94	56949	10.36	PPBV		100
15) CHLOROETHANE	2.068	64	42415	10.96	PPBV		95
16) DICHLOROFLUOROMETHANE	2.097	67	165500	11.23	PPBV		97
17) ACETONITRILE	2.171	41	117124	12.70	PPBV		100
18) ACROLEIN	2.209	56	46583	11.17	PPBV		97
19) FREON 123	2.225	83	144754	10.53	PPBV		99
20) FREON 123A	2.245	117	75674	9.62	PPBV		83
21) TRICHLOROFLUOROMETHANE	2.312	101	179866	10.64	PPBV		100
22) ISOPROPYL ALCOHOL	2.335	45	247273	12.45	PPBV		100
23) ACETONE	2.254	58	46932	9.58	PPBV		78
24) PENTANE	2.431	42	123819	12.92	PPBV		98
25) IODOMETHANE	2.492	142	128446	8.91	PPBV		88
26) 1,1-DICHLOROETHYLENE	2.521	96	53071	9.59	PPBV		82
27) CARBON DISULFIDE	2.656	76	144416	9.86	PPBV		93
28) ETHANOL	2.103	45	60260	11.25	PPBV		99
29) BROMOETHENE	2.177	106	52868	9.86	PPBV		98
30) ACRYLONITRILE	2.402	52	78243	11.86	PPBV		98
31) METHYLENE CHLORIDE	2.557	84	49640	9.74	PPBV		76
32) 3-CHLOROPROPENE	2.598	76	28337	9.65	PPBV		59
33) FREON 113	2.656	151	83900	9.38	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.897	96	69381	10.69	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.537	59	205213	11.15	PPBV		95
36) METHYL TERTIARY BUTYL ...	3.016	73	222800	11.13	PPBV		98
37) TETRAHYDROFURAN	3.749	72	39210	11.78	PPBV		80
38) HEXANE	3.502	57	177040	12.12	PPBV		94
39) VINYL ACETATE	3.055	86	20809	11.76	PPBV		55
40) 1,1-DICHLOROETHANE	2.978	63	168368	11.81	PPBV		99
41) METHYL ETHYL KETONE	3.155	72	41477	11.25	PPBV		73
42) CIS-1,2-DICHLOROETHENE	3.364	96	78034	11.17	PPBV		91
43) DIISOPROPYL ETHER	3.505	59	52781	12.48	PPBV		80
44) ETHYL ACETATE	3.508	61	32228	12.70	PPBV		77
45) METHYL ACRYLATE	3.495	55	239663	13.01	PPBV	#	98
46) CHLOROFORM	3.524	83	163920	11.82	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.045	57	209067	11.94	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.129	97	165646	11.49	PPBV		98
49) CARBON TETRACHLORIDE	4.573	117	162374	11.05	PPBV		100
50) 1,2-DICHLOROETHANE	3.955	62	137212	12.12	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03779.D
Acq On : 7 Oct 2023 3:05 pm
Operator : taylors
Sample : bs
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:28:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.454	78	238648	11.11	PPBV	95
53)	CYCLOHEXANE	4.675	84	102118	11.36	PPBV	92
54)	2,3-DIMETHYLPENTANE	4.939	71	56621	11.49	PPBV	88
55)	TRICHLOROETHENE	5.396	95	104207	11.27	PPBV	92
56)	1,2-DICHLOROPROPANE	5.148	63	112567	12.14	PPBV	99
57)	DIBROMOMETHANE	5.106	174	86261	10.26	PPBV	93
58)	ETHYL ACRYLATE	5.270	55	293998	12.85	PPBV	99
59)	BROMODICHLOROMETHANE	5.335	83	184021	12.23	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.489	57	567438	12.21	PPBV	100
61)	1,4-DIOXANE	5.412	88	58552	12.14	PPBV	96
62)	HEPTANE	5.820	43	249146	13.55	PPBV	92
63)	METHYL METHACRYLATE	5.708	69	99394	11.69	PPBV	83
64)	METHYL ISOBUTYL KETONE	6.473	58	115050	12.13	PPBV	85
65)	CIS-1,3-DICHLOROPROPENE	6.363	75	143366	11.78	PPBV	90
66)	TOLUENE	7.608	91	287753	11.10	PPBV	98
67)	1,3-DICHLOROPROPANE	7.662	76	150786	11.83	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	7.061	75	133462	12.11	PPBV	91
69)	1,1,2-TRICHLOROETHANE	7.222	83	85695	11.75	PPBV	97
70)	2-HEXANONE	8.196	58	164675	11.42	PPBV	84
71)	ETHYL METHACRYLATE	8.322	69	166045	11.83	PPBV	88
72)	TETRACHLOROETHENE	9.379	164	97383	9.74	PPBV	99
73)	DIBROMOCHLOROMETHANE	8.154	129	160789	11.18	PPBV	98
74)	1,2-DIBROMOETHANE	8.508	107	146525	11.30	PPBV	100
75)	OCTANE	9.521	43	355133	13.56	PPBV	93
77)	1,1,1,2-TETRACHLOROETHANE	10.614	131	116285	10.26	PPBV	89
78)	CHLOROBENZENE	10.604	112	213175	10.07	PPBV	94
79)	ETHYLBENZENE	11.502	91	389690	11.15	PPBV	98
80)	M,P-XYLENE	11.936	91	609236	22.28	PPBV	98
81)	O-XYLENE	12.884	91	310625	11.09	PPBV	98
82)	STYRENE	12.665	104	219763	11.10	PPBV	97
83)	NONANE	14.003	43	376954	13.68	PPBV	91
84)	BROMOFORM	11.746	173	153401	11.53	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.891	83	233999	12.05	PPBV	99
86)	1,2,3-TRICHLOROPROPANE	13.177	75	186152	11.76	PPBV	100
88)	ISOPROPYLBENZENE	14.411	120	105361	10.25	PPBV	88
89)	BROMOBENZENE	14.283	77	231252	11.65	PPBV	90
90)	2-CHLOROTOLUENE	15.427	126	95443	10.21	PPBV	100
91)	N-PROPYLBENZENE	15.759	120	110634	10.72	PPBV	99
92)	4-ETHYLTOLUENE	16.138	105	420175	11.38	PPBV	96
93)	1,3,5-TRIMETHYLBENZENE	16.296	105	351614	11.05	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.501	118	170237	11.11	PPBV	99
95)	TERT-BUTYLBENZENE	16.755	134	78564	10.05	PPBV	95
96)	1,2,4-TRIMETHYLBENZENE	16.765	105	355528	11.09	PPBV	95
97)	BENZYL CHLORIDE	16.849	91	276763	13.59	PPBV	97
98)	M-DICHLOROBENZENE	16.826	146	209840	10.41	PPBV	99
99)	P-DICHLOROBENZENE	16.906	146	210172	10.52	PPBV	99
100)	O-DICHLOROBENZENE	17.202	146	199989	10.32	PPBV	99
101)	SEC-BUTYLBENZENE	17.038	134	97334	10.16	PPBV	82
102)	1,2,3-TRIMETHYLBENZENE	17.148	105	353342	10.85	PPBV	96
103)	P-ISOPROPYLTOLUENE	17.215	134	105479	10.20	PPBV	94
104)	N-BUTYLBENZENE	17.562	134	98852	10.46	PPBV	71
105)	HEXACHLOROETHANE	17.739	117	134193	11.46	PPBV	99
106)	HEXACHLOROBUTADIENE	18.775	225	170481	10.04	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.469	180	154826	10.61	PPBV	99
108)	NAPHTHALENE	18.517	128	387653	10.08	PPBV	100
110)	TVHC as equiv Pentane	2.431	TIC	563828	12.33	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03779.D
Acq On : 7 Oct 2023 3:05 pm
Operator : taylors
Sample : bs
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:28:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03779.D
Acq On : 7 Oct 2023 3:05 pm
Operator : taylors
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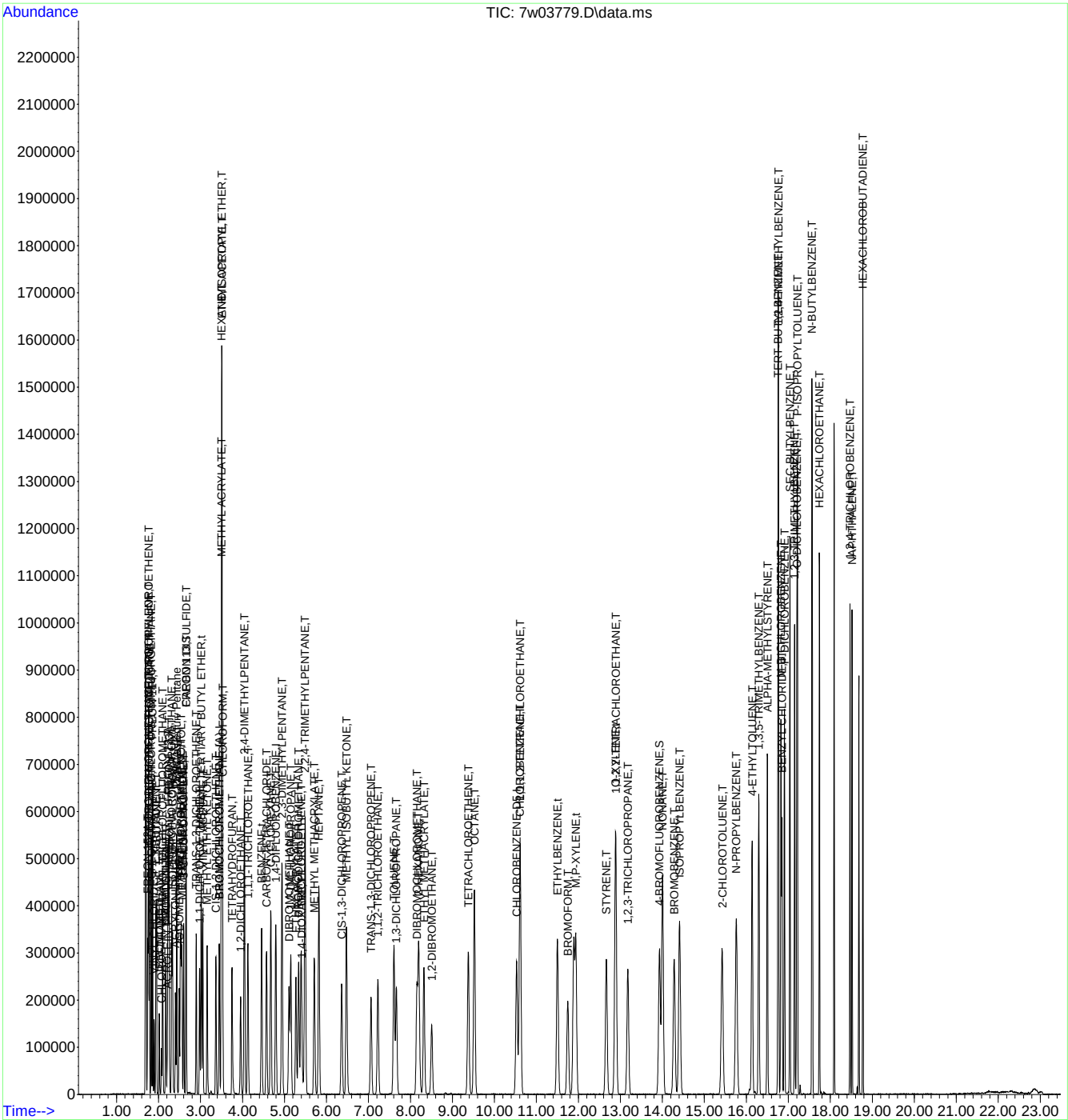
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:28:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Manual Integration Approval Summary

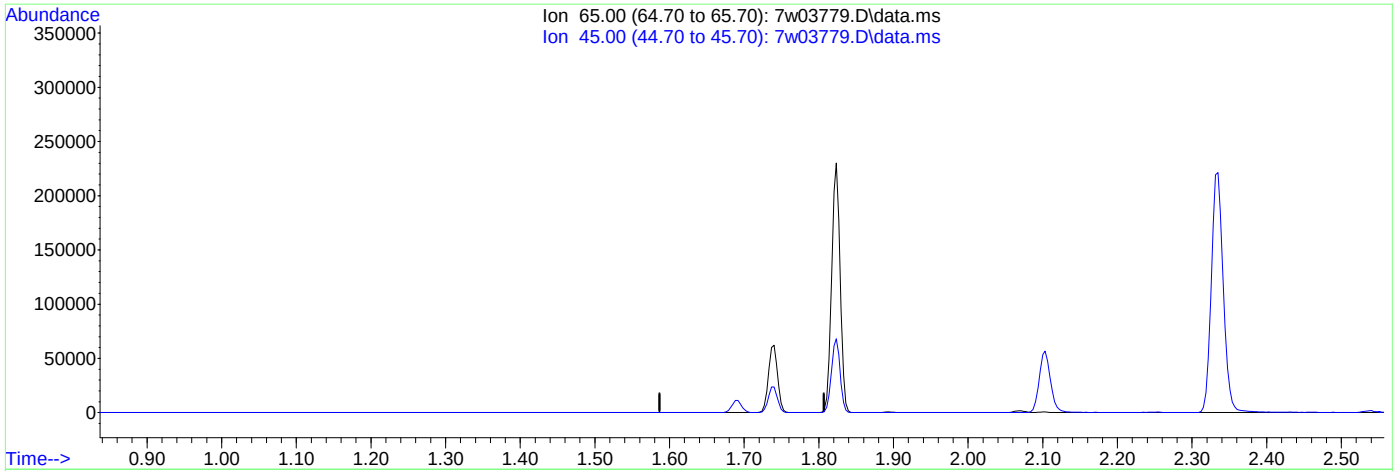
Sample Number:	V7W152-BS	**Method:**	TO-15
Lab FileID:	7W03779.D	**Analyst approved:**	10/09/23 13:54 Taylor Sauter
Injection Time:	10/07/23 15:05	**Supervisor approved:**	10/26/23 22:08 Kanya Veerawat

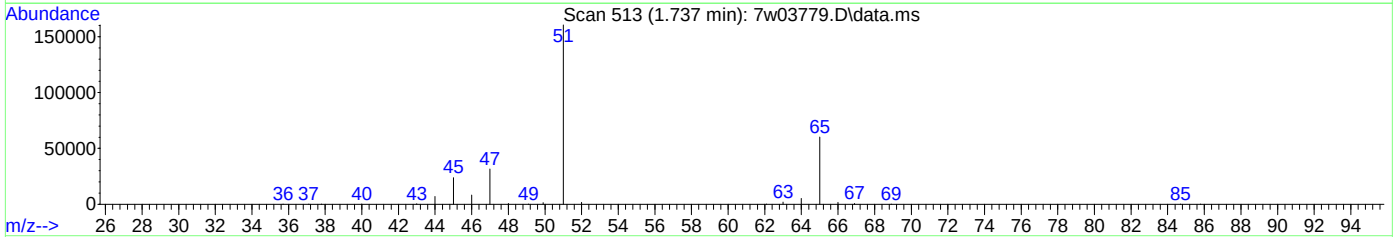
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.74	Missed peak

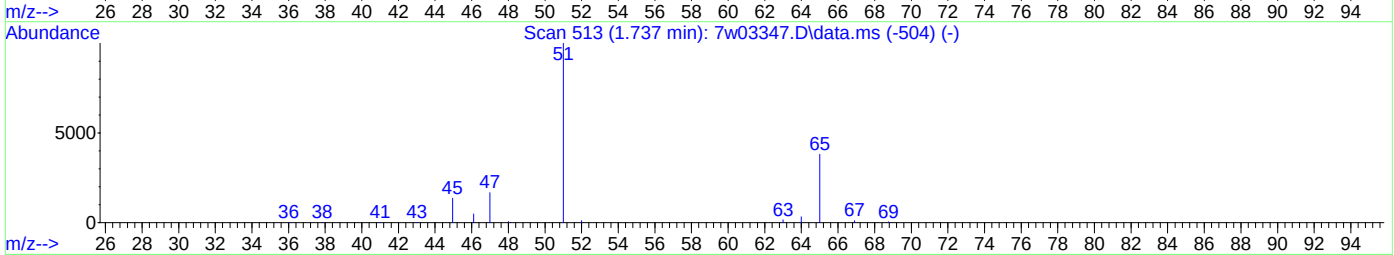
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03779.D
Acq On : 7 Oct 2023 3:05 pm
Operator : taylors
Sample : bs
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:29:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration







TIC: 7w03779.D\data.ms

(3) FREON 152A (T)

1.737min (-1.737) 0.00PPBV

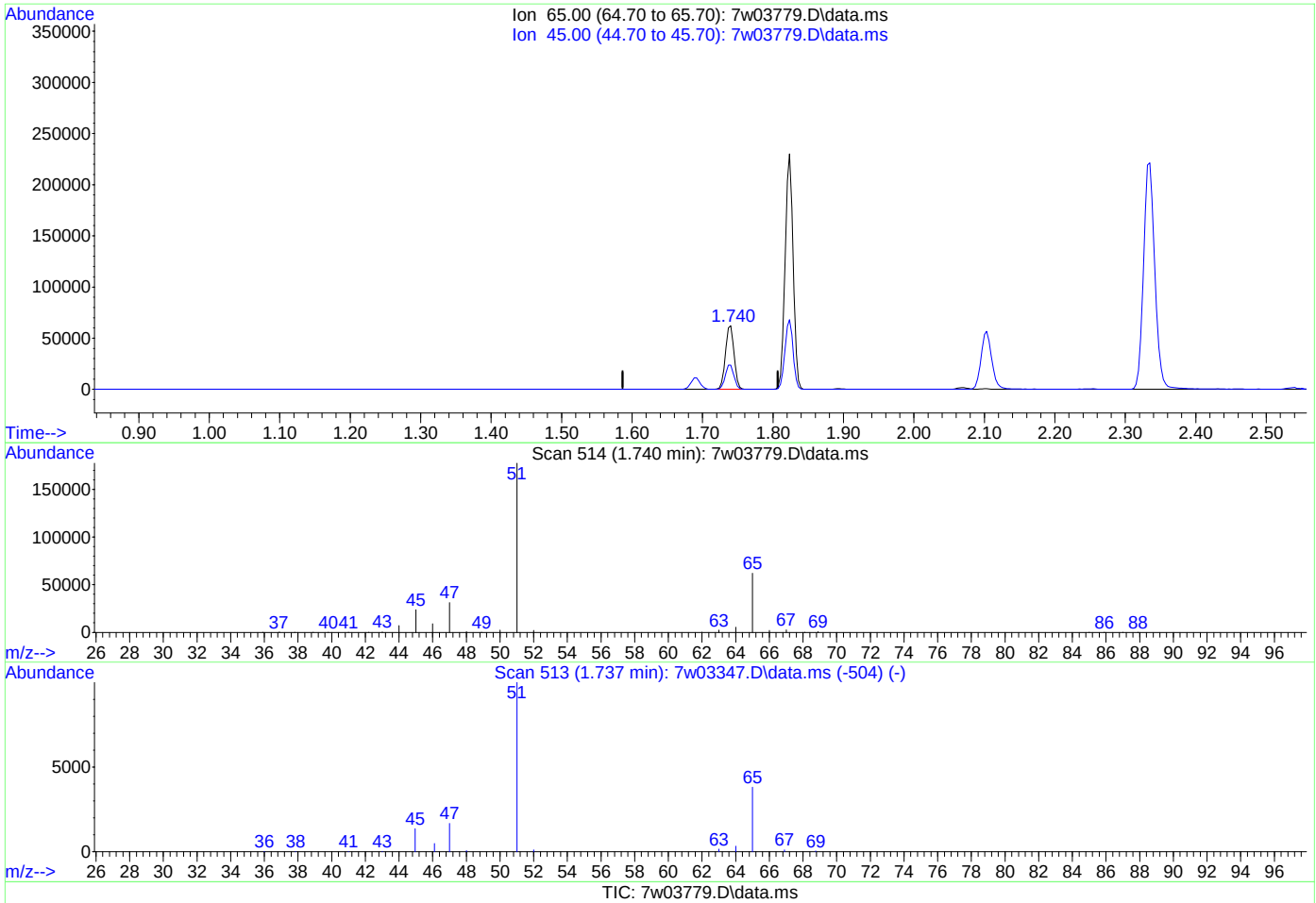
response 0

Ion	Exp%	Act%
65.00	100	0.00
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03779.D
Acq On : 7 Oct 2023 3:05 pm
Operator : taylors
Sample : bs
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:29:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



TIC: 7w03779.D\data.ms

(3) FREON 152A (T)

1.740min (+0.003) 11.59PPBV m

response 52658

Ion	Exp%	Act%
65.00	100	100
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03780.D
Acq On : 7 Oct 2023 3:40 pm
Operator : taylors
Sample : bsd
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:32:55 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.447	128	48592	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.794	114	244092	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.527	117	229648	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.447	128	48592	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.932	95	188661	10.74	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	53040	11.33	PPBV		94
4) CHLORODIFLUOROMETHANE	1.753	67	23676	11.89	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.766	116	93420	9.81	PPBV		82
6) DICHLORODIFLUOROMETHANE	1.785	85	228261	11.30	PPBV		98
7) PROPYLENE	1.762	41	98531	12.21	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.823	65	184861	12.02	PPBV		97
9) FREON 114	1.862	85	177801	11.03	PPBV		93
10) CHLOROMETHANE	1.830	52	33400	12.43	PPBV		95
11) VINYL CHLORIDE	1.897	62	89605	11.56	PPBV		100
12) 1,3-BUTADIENE	1.939	54	84440	12.17	PPBV		90
13) N-BUTANE	1.955	43	196791	13.08	PPBV		97
14) BROMOMETHANE	2.020	94	60379	10.66	PPBV		99
15) CHLOROETHANE	2.071	64	44793	11.24	PPBV		96
16) DICHLOROFLUOROMETHANE	2.097	67	173239	11.41	PPBV		97
17) ACETONITRILE	2.171	41	123828	13.04	PPBV		99
18) ACROLEIN	2.213	56	49968	11.63	PPBV		98
19) FREON 123	2.225	83	153327	10.82	PPBV		98
20) FREON 123A	2.245	117	79395	9.80	PPBV		82
21) TRICHLOROFLUOROMETHANE	2.315	101	186184	10.69	PPBV		99
22) ISOPROPYL ALCOHOL	2.335	45	262076	12.81	PPBV		98
23) ACETONE	2.254	58	49724	9.86	PPBV		81
24) PENTANE	2.434	42	131148	13.28	PPBV		98
25) IODOMETHANE	2.492	142	135417	9.12	PPBV		90
26) 1,1-DICHLOROETHYLENE	2.521	96	56242	9.87	PPBV		84
27) CARBON DISULFIDE	2.659	76	153858	10.20	PPBV		92
28) ETHANOL	2.103	45	64535	11.70	PPBV		100
29) BROMOETHENE	2.177	106	55700	10.08	PPBV		97
30) ACRYLONITRILE	2.402	52	82302	12.11	PPBV		99
31) METHYLENE CHLORIDE	2.557	84	52149	9.93	PPBV		78
32) 3-CHLOROPROPENE	2.602	76	29925	9.90	PPBV		57
33) FREON 113	2.656	151	87071	9.45	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	2.901	96	74286	11.11	PPBV		94
35) TERTIARY BUTYL ALCOHOL	2.537	59	213747	11.27	PPBV		95
36) METHYL TERTIARY BUTYL ...	3.016	73	228882	11.10	PPBV		98
37) TETRAHYDROFURAN	3.749	72	40044	11.67	PPBV		84
38) HEXANE	3.502	57	178694	11.88	PPBV		93
39) VINYL ACETATE	3.055	86	21541	11.82	PPBV		67
40) 1,1-DICHLOROETHANE	2.981	63	174301	11.86	PPBV		100
41) METHYL ETHYL KETONE	3.158	72	42696	11.24	PPBV		76
42) CIS-1,2-DICHLOROETHENE	3.367	96	79953	11.11	PPBV		92
43) DIISOPROPYL ETHER	3.508	59	52902	12.14	PPBV		77
44) ETHYL ACETATE	3.512	61	32241	12.33	PPBV		73
45) METHYL ACRYLATE	3.495	55	240658	12.68	PPBV	#	99
46) CHLOROFORM	3.524	83	168000	11.76	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.045	57	211512	11.73	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.129	97	167558	11.28	PPBV		97
49) CARBON TETRACHLORIDE	4.573	117	164330	10.85	PPBV		99
50) 1,2-DICHLOROETHANE	3.955	62	139482	11.96	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03780.D
Acq On : 7 Oct 2023 3:40 pm
Operator : taylors
Sample : bsd
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:32:55 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.454	78	243943	11.03	PPBV	95
53)	CYCLOHEXANE	4.675	84	105490	11.55	PPBV	94
54)	2,3-DIMETHYLPENTANE	4.942	71	57830	11.55	PPBV	90
55)	TRICHLOROETHENE	5.392	95	105760	11.26	PPBV	93
56)	1,2-DICHLOROPROPANE	5.151	63	115865	12.30	PPBV	98
57)	DIBROMOMETHANE	5.110	174	88334	10.34	PPBV	93
58)	ETHYL ACRYLATE	5.270	55	299304	12.88	PPBV	99
59)	BROMODICHLOROMETHANE	5.338	83	187943	12.29	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.492	57	573149	12.14	PPBV	100
61)	1,4-DIOXANE	5.415	88	59048	12.05	PPBV	95
62)	HEPTANE	5.820	43	251937	13.49	PPBV	92
63)	METHYL METHACRYLATE	5.711	69	100936	11.68	PPBV	83
64)	METHYL ISOBUTYL KETONE	6.479	58	117552	12.19	PPBV	85
65)	CIS-1,3-DICHLOROPROPENE	6.364	75	146274	11.83	PPBV	91
66)	TOLUENE	7.608	91	294030	11.16	PPBV	99
67)	1,3-DICHLOROPROPANE	7.662	76	155182	11.98	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	7.058	75	136035	12.15	PPBV	91
69)	1,1,2-TRICHLOROETHANE	7.228	83	88181	11.90	PPBV	97
70)	2-HEXANONE	8.196	58	168850	11.52	PPBV	85
71)	ETHYL METHACRYLATE	8.322	69	169318	11.87	PPBV	88
72)	TETRACHLOROETHENE	9.376	164	99724	9.81	PPBV	98
73)	DIBROMOCHLOROMETHANE	8.158	129	163339	11.18	PPBV	99
74)	1,2-DIBROMOETHANE	8.508	107	150029	11.39	PPBV	100
75)	OCTANE	9.524	43	359023	13.50	PPBV	93
77)	1,1,1,2-TETRACHLOROETHANE	10.614	131	117465	10.13	PPBV	90
78)	CHLOROBENZENE	10.608	112	217350	10.04	PPBV	93
79)	ETHYLBENZENE	11.502	91	397479	11.12	PPBV	99
80)	M,P-XYLENE	11.936	91	622397	22.25	PPBV	100
81)	O-XYLENE	12.884	91	318299	11.11	PPBV	99
82)	STYRENE	12.669	104	221068	10.92	PPBV	96
83)	NONANE	14.003	43	381104	13.52	PPBV	92
84)	BROMOFORM	11.746	173	154944	11.39	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.891	83	239019	12.03	PPBV	99
86)	1,2,3-TRICHLOROPROPANE	13.177	75	189311	11.70	PPBV	100
88)	ISOPROPYLBENZENE	14.408	120	106094	10.10	PPBV	88
89)	BROMOBENZENE	14.283	77	235196	11.58	PPBV	90
90)	2-CHLOROTOLUENE	15.421	126	96549	10.10	PPBV	100
91)	N-PROPYLBENZENE	15.762	120	111416	10.55	PPBV	99
92)	4-ETHYLTOLUENE	16.138	105	428587	11.35	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	16.296	105	358576	11.02	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.498	118	173316	11.06	PPBV	98
95)	TERT-BUTYLBENZENE	16.759	134	79070	9.89	PPBV	92
96)	1,2,4-TRIMETHYLBENZENE	16.765	105	364396	11.12	PPBV	95
97)	BENZYL CHLORIDE	16.849	91	280239	13.46	PPBV	97
98)	M-DICHLOROBENZENE	16.826	146	212884	10.32	PPBV	99
99)	P-DICHLOROBENZENE	16.906	146	213954	10.47	PPBV	99
100)	O-DICHLOROBENZENE	17.202	146	204428	10.31	PPBV	99
101)	SEC-BUTYLBENZENE	17.038	134	99237	10.13	PPBV	84
102)	1,2,3-TRIMETHYLBENZENE	17.151	105	360788	10.83	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.218	134	107366	10.15	PPBV	93
104)	N-BUTYLBENZENE	17.562	134	100725	10.42	PPBV	72
105)	HEXACHLOROETHANE	17.739	117	135608	11.32	PPBV	99
106)	HEXACHLOROBUTADIENE	18.775	225	171624	9.88	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.469	180	160216	10.74	PPBV	99
108)	NAPHTHALENE	18.517	128	406130	10.32	PPBV	100
110)	TVHC as equiv Pentane	2.434	TIC	570776	12.12	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03780.D
Acq On : 7 Oct 2023 3:40 pm
Operator : taylors
Sample : bsd
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:32:55 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

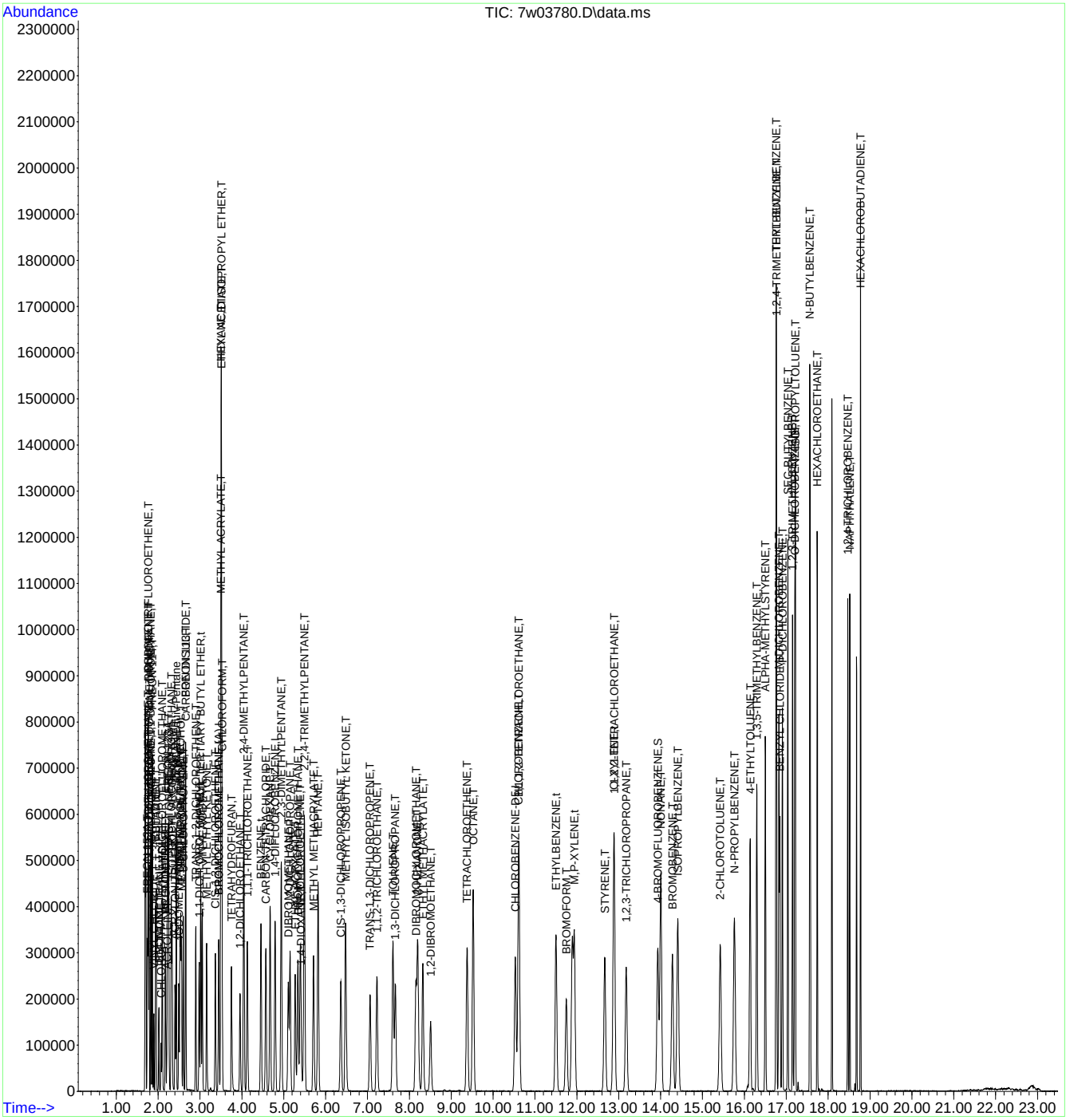
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03780.D
Acq On : 7 Oct 2023 3:40 pm
Operator : taylors
Sample : bsd
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:32:55 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/02/24 10:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04096.D
Acq On : 30 Jan 2024 05:42 pm
Operator : taylors
Sample : jd81246-1dup
Misc : MS77312,V8W0162,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 02 07:18:13 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

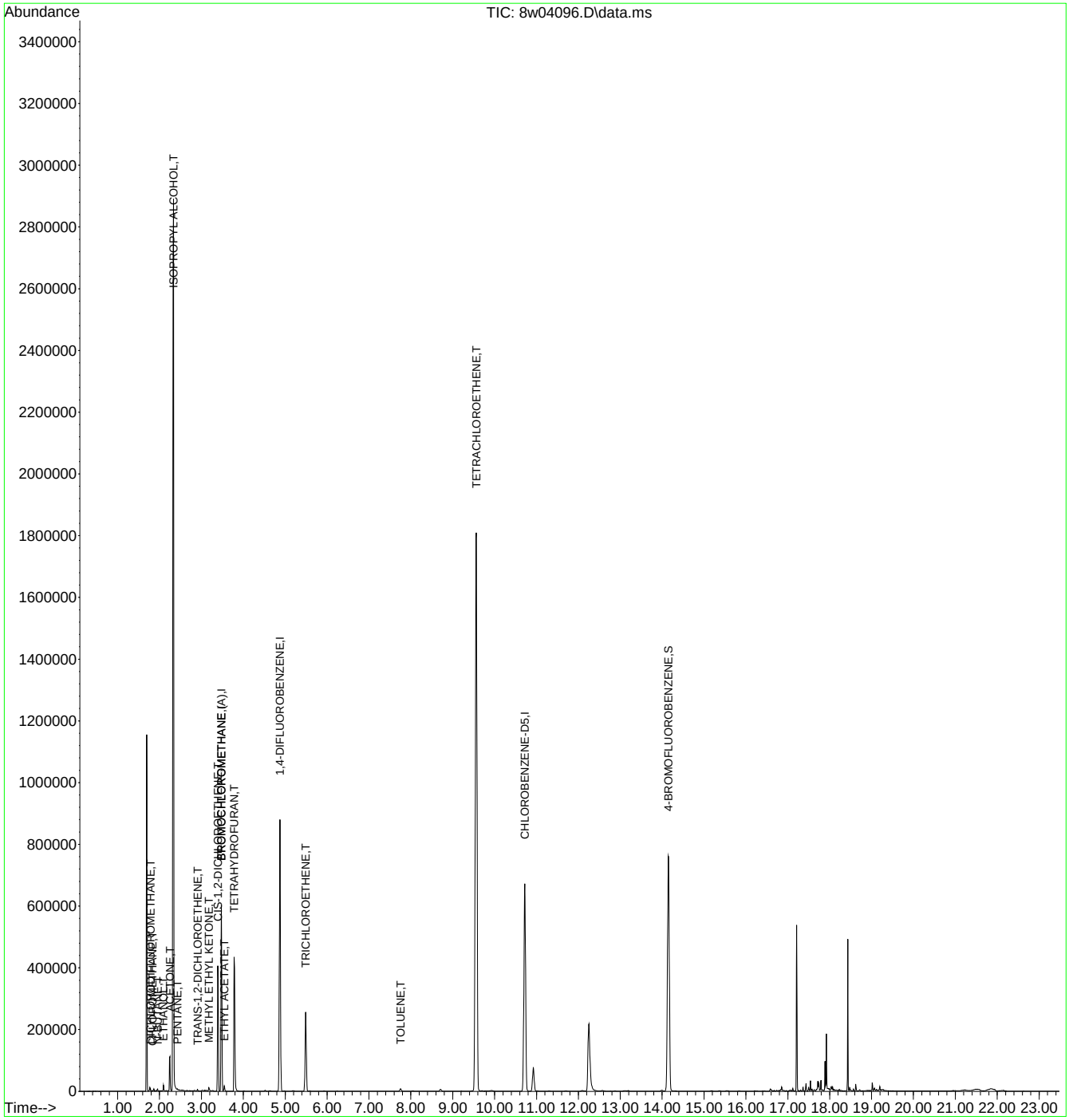
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.478	128	146970	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	763458	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.720	117	689223	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	146970	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.147	95	511074	9.62	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.783	85	2716m	0.10	PPBV	
10) CHLOROMETHANE	1.832	52	192m	0.13	PPBV	
13) N-BUTANE	1.954	43	2654	0.34	PPBV	# 65
22) ISOPROPYL ALCOHOL	2.332	45	2498772	205.99	PPBV	98
23) ACETONE	2.246	58	26586	8.04	PPBV	79
24) PENTANE	2.423	42	1151	0.23	PPBV	# 59
28) ETHANOL	2.094	45	10534	4.09	PPBV	98
34) TRANS-1,2-DICHLOROETHENE	2.911	96	1369	0.11	PPBV	82
37) TETRAHYDROFURAN	3.783	72	127718	21.32	PPBV	# 70
41) METHYL ETHYL KETONE	3.179	72	2934	0.44	PPBV	# 89
42) CIS-1,2-DICHLOROETHENE	3.392	96	151562	11.15	PPBV	# 82
44) ETHYL ACETATE	3.545	61	2449	0.67	PPBV	# 1
55) TRICHLOROETHENE	5.490	95	97723	5.22	PPBV	100
66) TOLUENE	7.758	91	9170	0.19	PPBV	99
72) TETRACHLOROETHENE	9.562	164	749240	36.65	PPBV	93

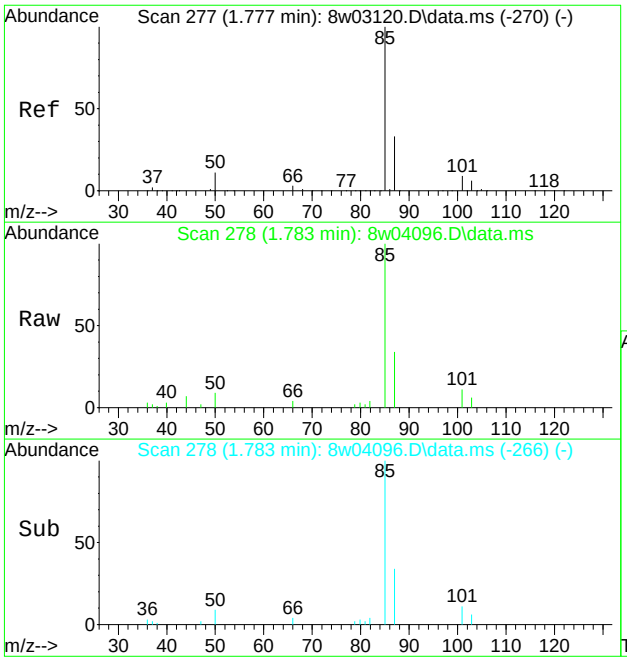
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04096.D
Acq On : 30 Jan 2024 05:42 pm
Operator : taylors
Sample : jd81246-1dup
Misc : MS77312,V8W0162,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 02 07:18:13 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

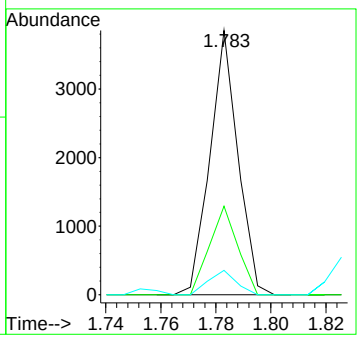


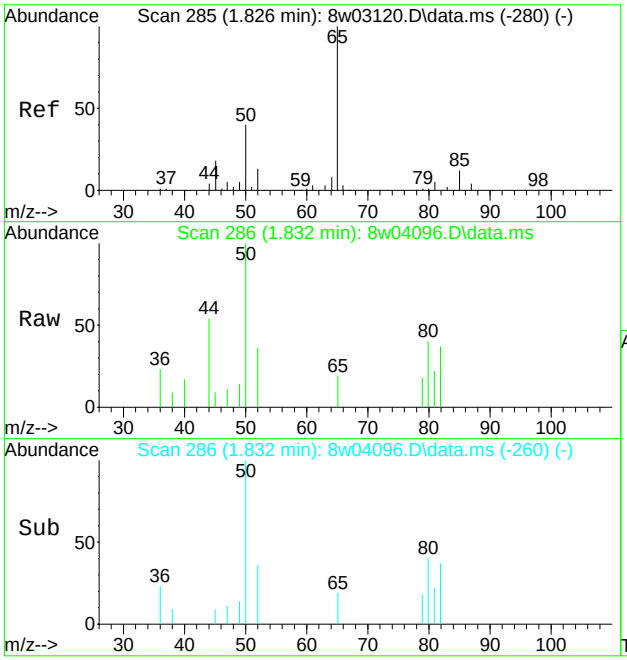


#6
DICHLORODIFLUOROMETHANE
Concen: 0.10 PPBV m
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 85 Resp: 2716

Ion	Ratio	Lower	Upper
85	100		
87	0.0	26.3	39.5#
50	0.0	13.8	20.6#

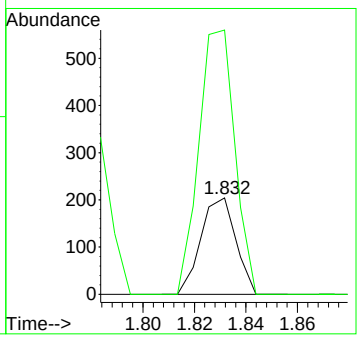


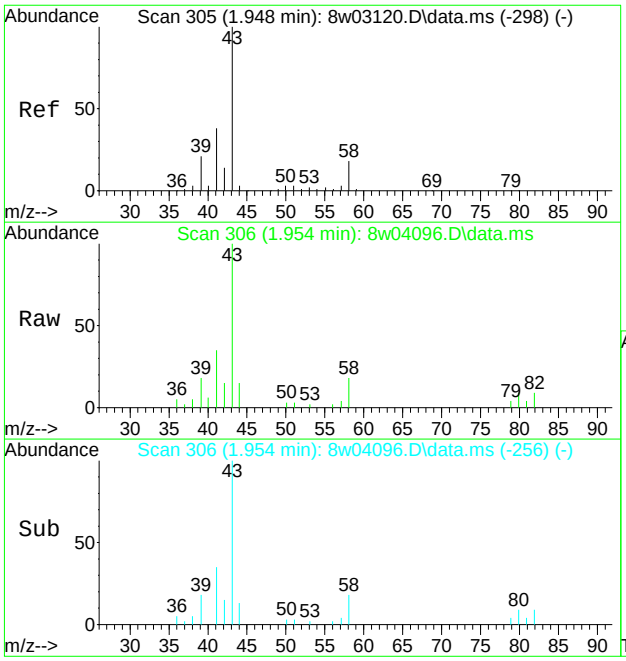


#10
CHLOROMETHANE
Concen: 0.13 PPBV m
RT: 1.832 min Scan# 286
Delta R.T. 0.006 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 52 Resp: 192

Ion	Ratio	Lower	Upper
52	100		
50	0.0	358.1	537.1#

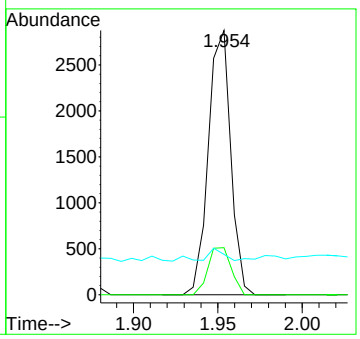


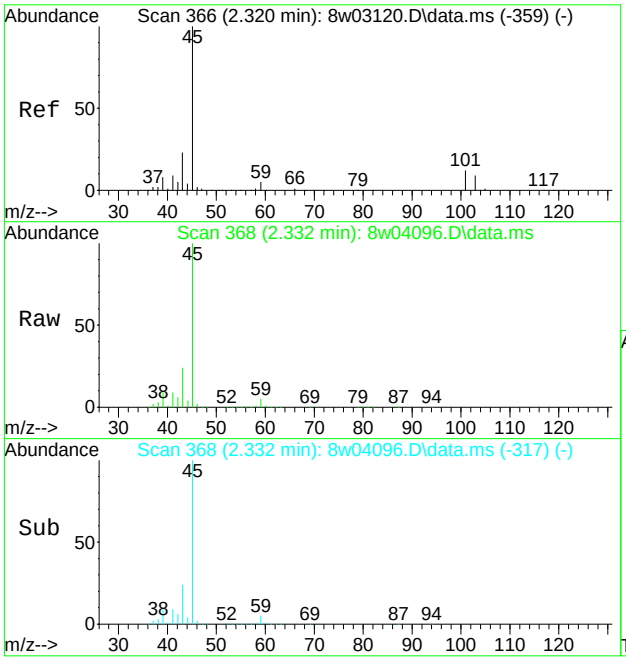


#13
N-BUTANE
Concen: 0.34 PPBV
RT: 1.954 min Scan# 306
Delta R.T. 0.006 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 43 Resp: 2654

Ion	Ratio	Lower	Upper
43	100		
58	0.0	14.2	21.4#
44	0.0	2.9	4.3#

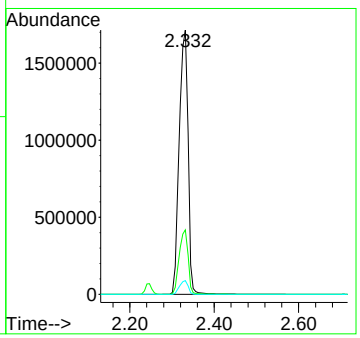


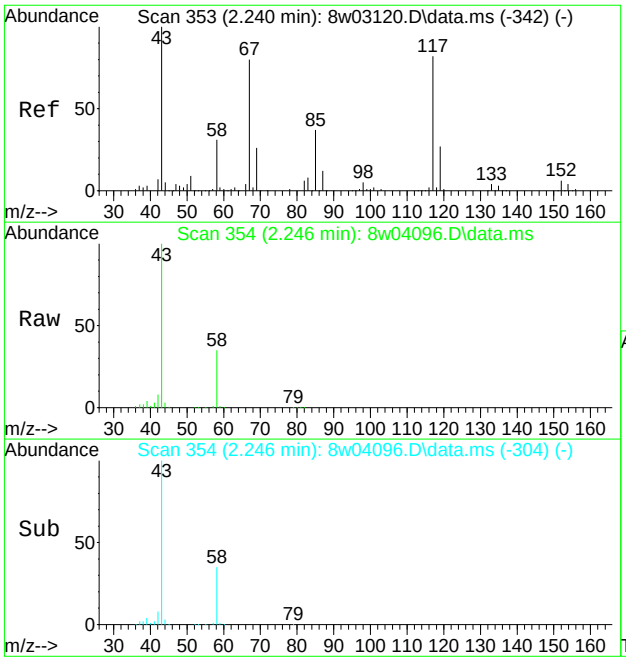


#22
ISOPROPYL ALCOHOL
Concen: 205.99 PPBV
RT: 2.332 min Scan# 368
Delta R.T. 0.012 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 45 Resp: 2498772

Ion	Ratio	Lower	Upper
45	100		
43	24.7	18.8	28.2
59	5.1	3.8	5.6

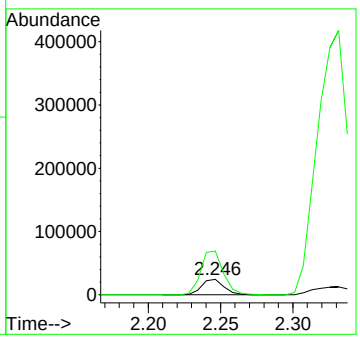


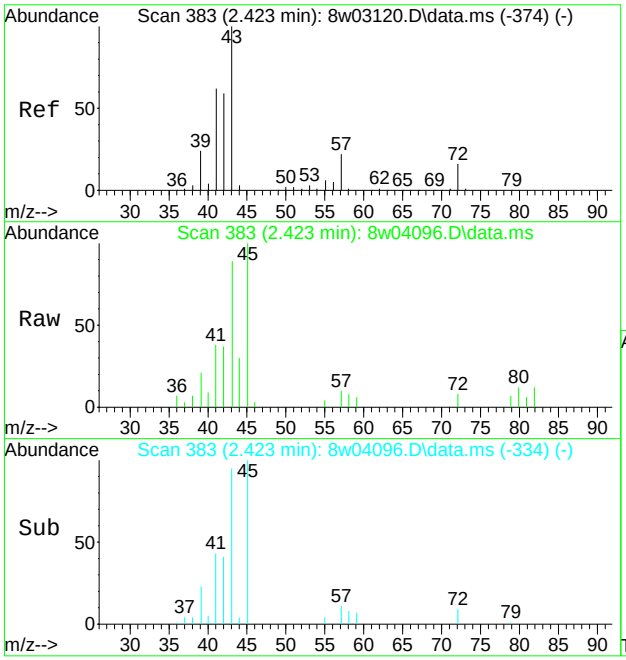


#23
ACETONE
Concen: 8.04 PPBV
RT: 2.246 min Scan# 354
Delta R.T. 0.006 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 58 Resp: 26586

Ion	Ratio	Lower	Upper
58	100		
43	284.1	261.4	392.2

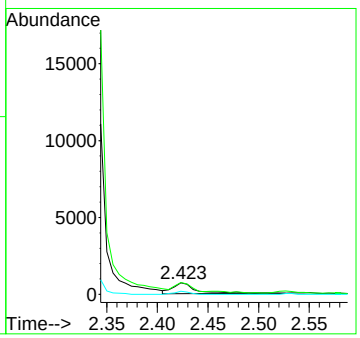


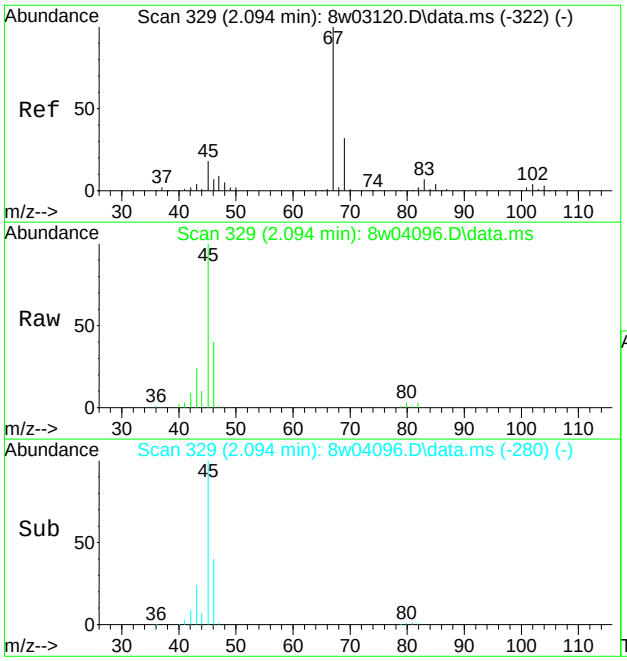


#24
PENTANE
Concen: 0.23 PPBV
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 42 Resp: 1151

Ion	Ratio	Lower	Upper
42	100		
41	140.7	84.2	126.4#
57	0.0	28.9	43.3#

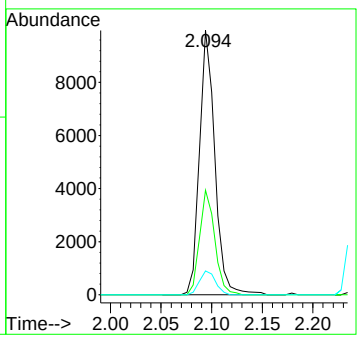


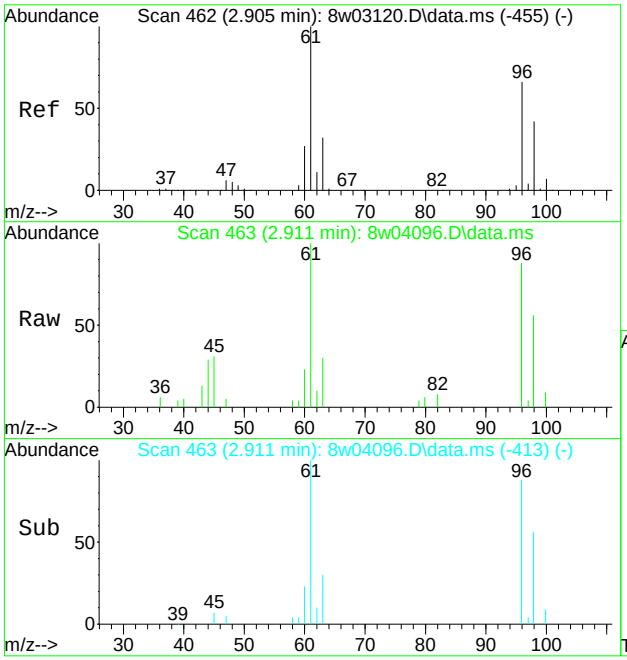


#28
ETHANOL
Concen: 4.09 PPBV
RT: 2.094 min Scan# 329
Delta R.T. -0.000 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 45 Resp: 10534

Ion	Ratio	Lower	Upper
45	100		
46	38.9	30.1	45.1
42	9.5	8.3	12.5

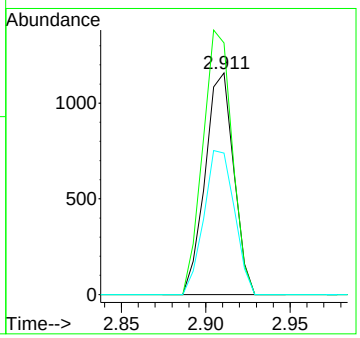


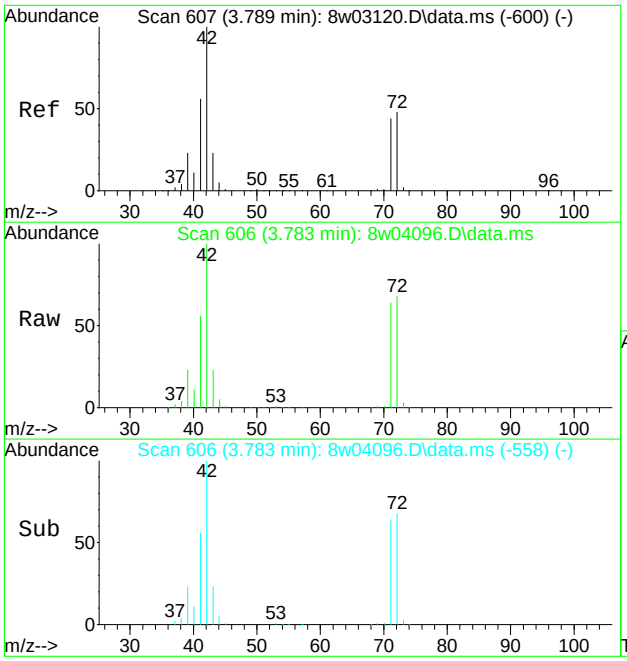


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.11 PPBV
RT: 2.911 min Scan# 463
Delta R.T. 0.006 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 96 Resp: 1369

Ion	Ratio	Lower	Upper
96	100		
61	122.0	120.8	181.2
98	69.2	51.0	76.4

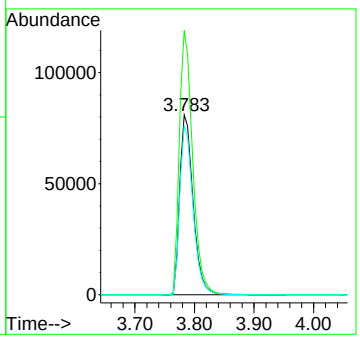


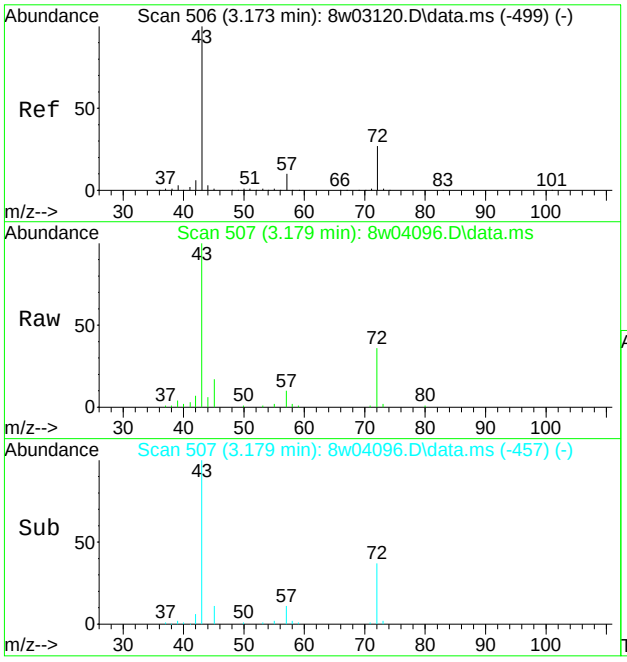


#37
TETRAHYDROFURAN
Concen: 21.32 PPBV
RT: 3.783 min Scan# 606
Delta R.T. -0.006 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 72 Resp: 127718

Ion	Ratio	Lower	Upper
72	100		
42	147.0	170.8	256.2#
71	93.6	74.3	111.5

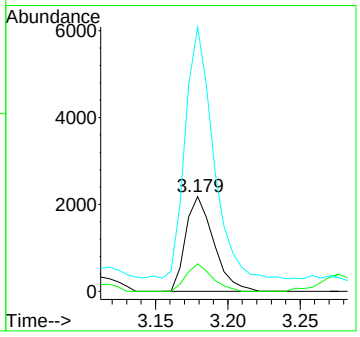


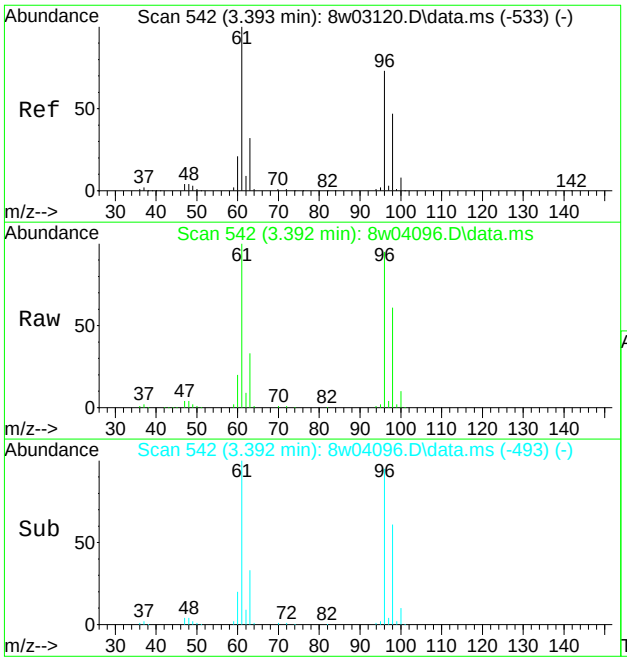


#41
METHYL ETHYL KETONE
Concen: 0.44 PPBV
RT: 3.179 min Scan# 507
Delta R.T. 0.006 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 72 Resp: 2934

Ion	Ratio	Lower	Upper
72	100		
57	26.9	27.8	41.8#
43	340.6	292.3	438.5

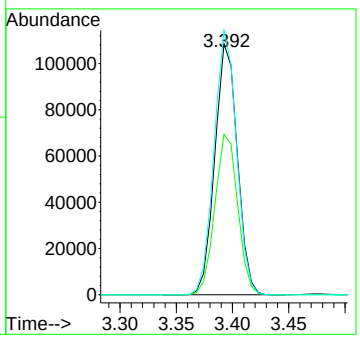


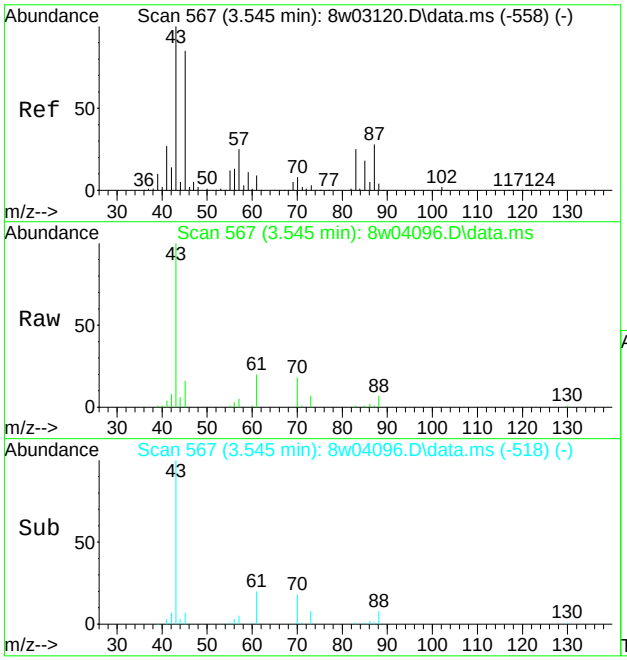


#42
CIS-1,2-DICHLOROETHENE
Concen: 11.15 PPBV
RT: 3.392 min Scan# 542
Delta R.T. -0.000 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 96 Resp: 151562

Ion	Ratio	Lower	Upper
96	100		
98	64.7	50.9	76.3
61	104.9	109.1	163.7#

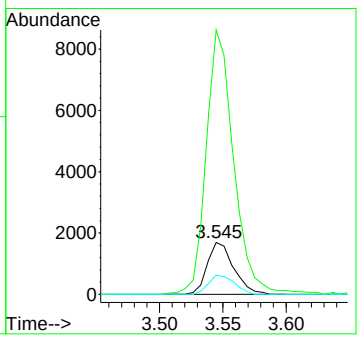


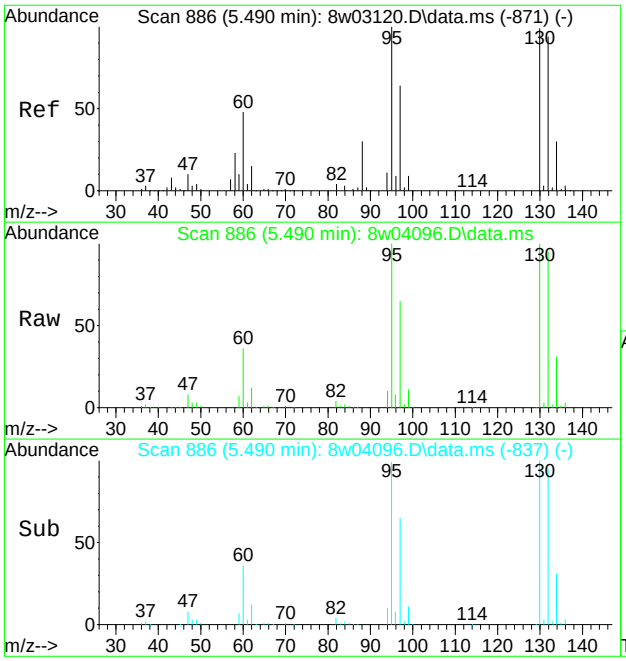


#44
ETHYL ACETATE
Concen: 0.67 PPBV
RT: 3.545 min Scan# 567
Delta R.T. -0.000 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 61 Resp: 2449

Ion	Ratio	Lower	Upper
61	100		
43	538.1	1039.8	1559.8#
88	36.3	37.8	56.8#

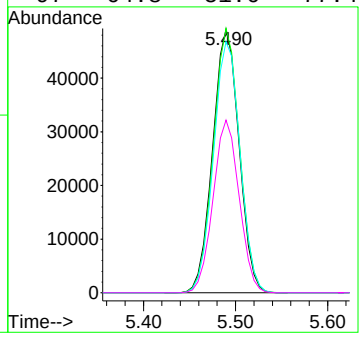


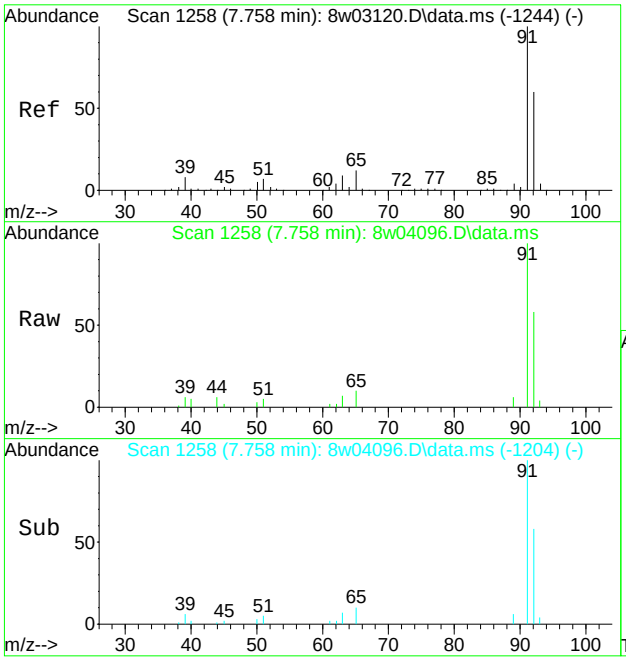


#55
TRICHLOROETHENE
Concen: 5.22 PPBV
RT: 5.490 min Scan# 886
Delta R.T. -0.000 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 95 Resp: 97723

Ion	Ratio	Lower	Upper
95	100		
130	99.9	80.6	120.8
132	96.2	77.0	115.4
97	64.8	51.6	77.4

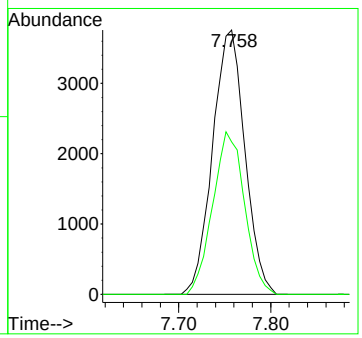


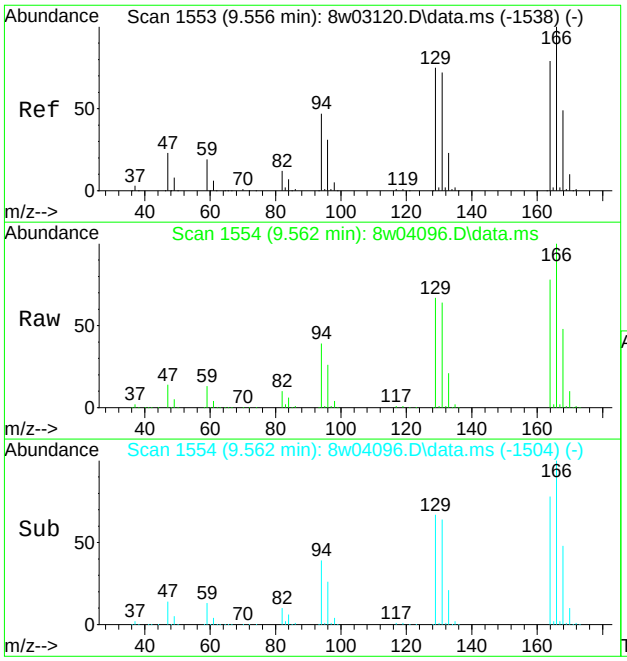


#66
TOLUENE
Concen: 0.19 PPBV
RT: 7.758 min Scan# 1258
Delta R.T. -0.000 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion: 91 Resp: 9170

Ion	Ratio	Lower	Upper
91	100		
92	60.5	39.8	79.8

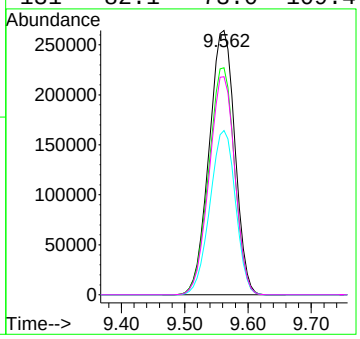




#72
TETRACHLOROETHENE
Concen: 36.65 PPBV
RT: 9.562 min Scan# 1554
Delta R.T. 0.006 min
Lab File: 8w04096.D
Acq: 30 Jan 2024 05:42 pm

Tgt Ion:164 Resp: 749240

Ion	Ratio	Lower	Upper
164	100		
129	85.6	75.8	113.8
168	61.6	48.8	73.2
131	82.1	73.0	109.4



Manual Integration Approval Summary

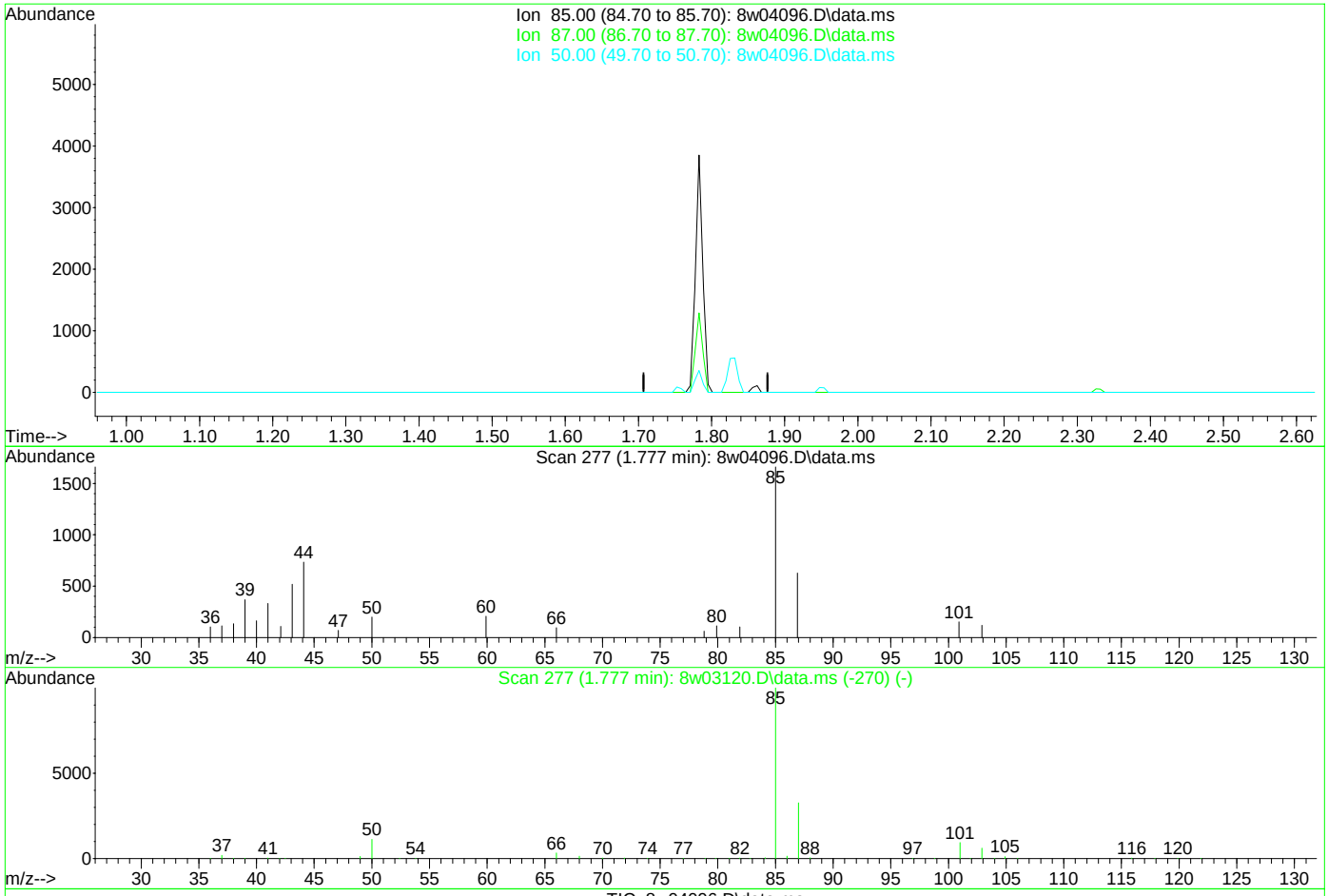
Sample Number: JD81246-1DUP
Lab FileID: 8W04096.D
Injection Time: 01/30/24 17:42
Method: TO-15
Analyst approved: 02/02/24 08:49 Taylor Sauter
Supervisor approved: 02/02/24 10:36 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Dichlorodifluoromethane	75-71-8		1.78	Missed peak
Chloromethane	74-87-3		1.83	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04096.D
Acq On : 30 Jan 2024 05:42 pm
Operator : taylors
Sample : jd81246-1dup
Misc : MS77312,V8W0162,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 31 08:39:00 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



TIC: 8w04096.D\data.ms

(6) DICHLORODIFLUOROMETHANE (T)

1.777min (-1.777) 0.00PPBV

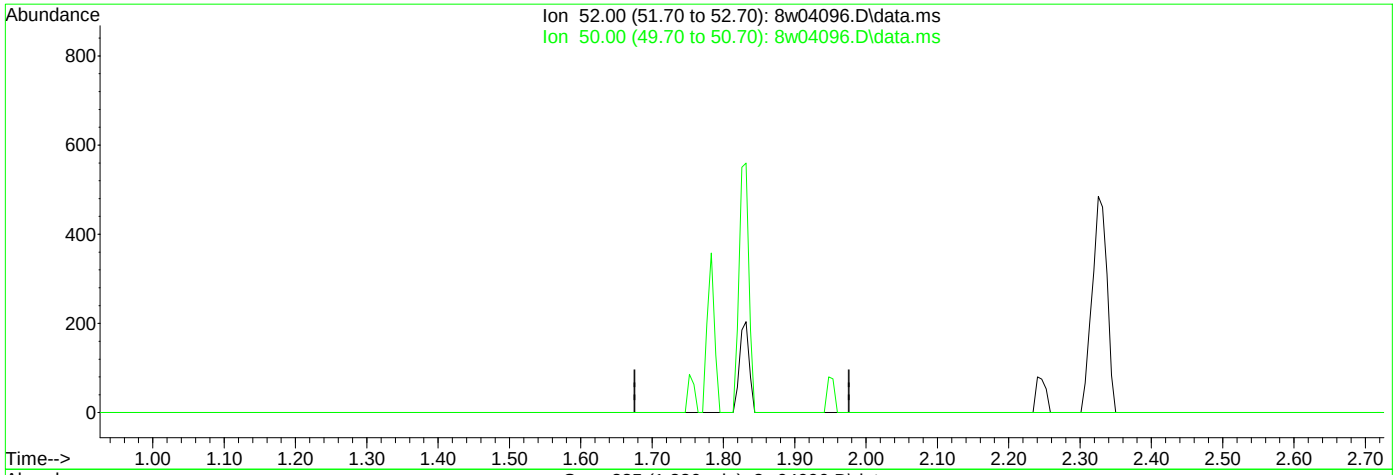
response 0

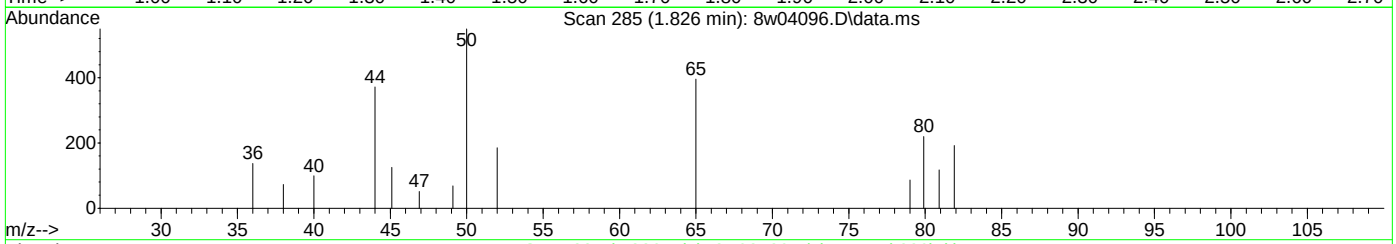
Ion	Exp%	Act%
85.00	100	0.00
87.00	32.90	0.00#
50.00	17.20	0.00#
0.00	0.00	0.00

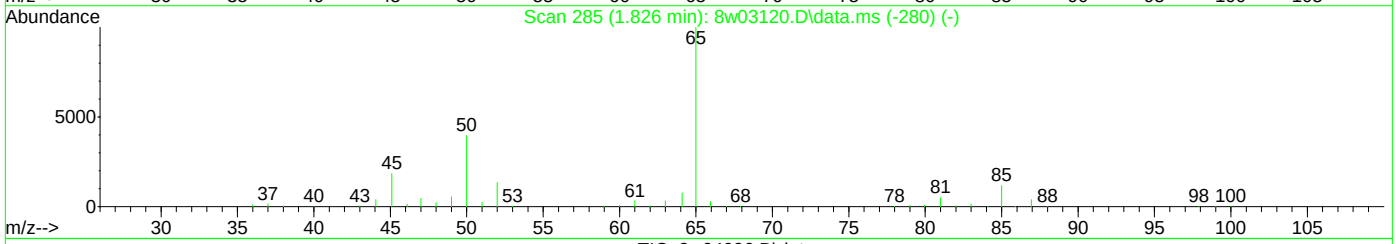
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04096.D
Acq On : 30 Jan 2024 05:42 pm
Operator : taylors
Sample : jd81246-1dup
Misc : MS77312,V8W0162,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 31 08:39:00 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration







TIC: 8w04096.D\data.ms

(10) CHLOROMETHANE (T)

1.826min (-1.826) 0.00PPBV

response 0

Ion	Exp%	Act%
52.00	100	0.00
50.00	447.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03757.D
Acq On : 7 Oct 2023 1:13 am
Operator : taylors
Sample : scc(a436),cp12417
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 07 08:40:50 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

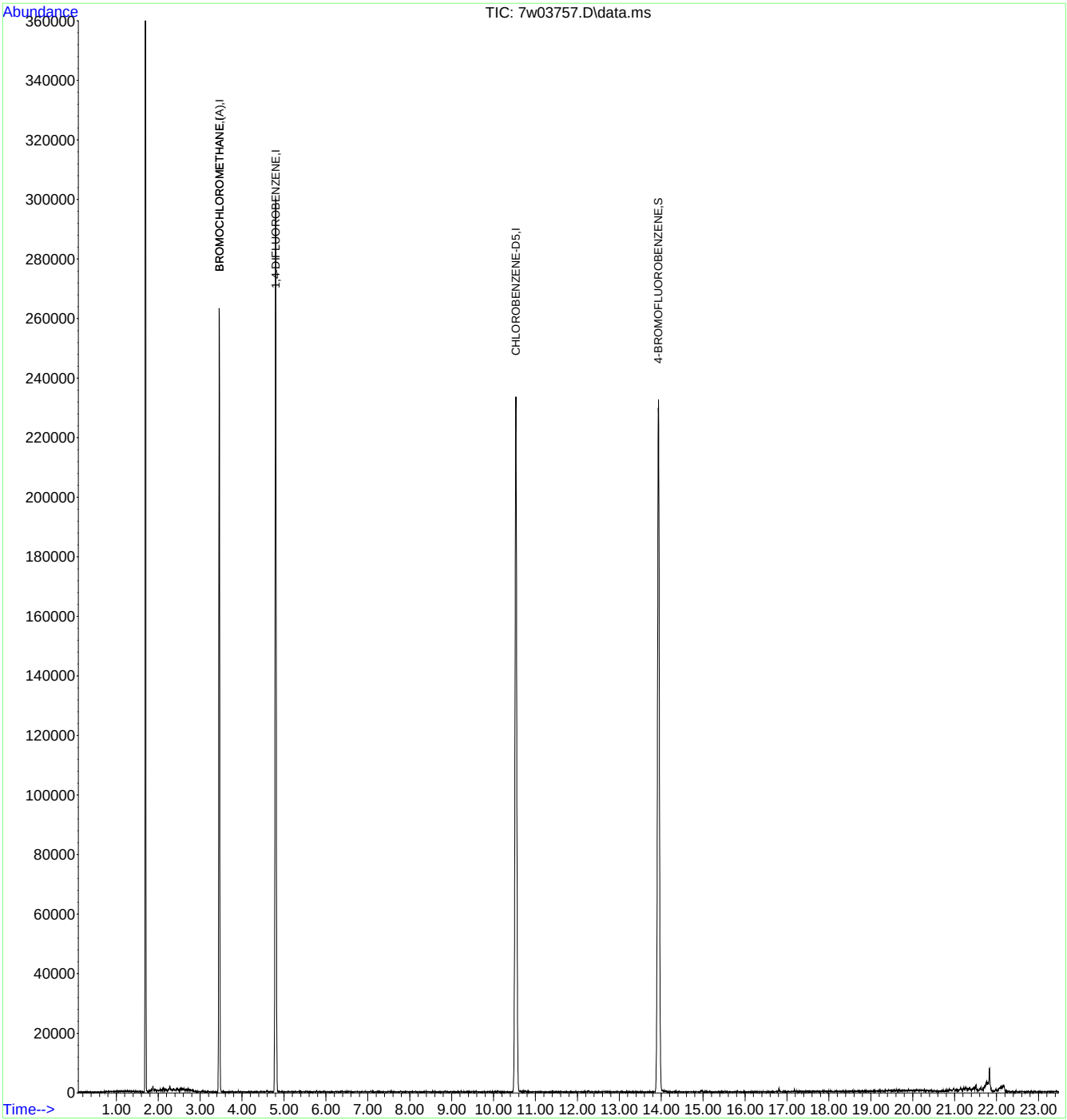
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.457	128	39461	10.00	PPBV	# 0.02
52) 1,4-DIFLUOROBENZENE	4.801	114	199187	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.531	117	182476	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.457	128	39461	10.00	PPBV	# 0.02
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.930	95	134949	9.67	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03757.D
Acq On : 7 Oct 2023 1:13 am
Operator : taylors
Sample : scc(a436),cp12417
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 07 08:40:50 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03783.D
Acq On : 7 Oct 2023 5:29 pm
Operator : taylors
Sample : scc(a1207),cp12436
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 13:39:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

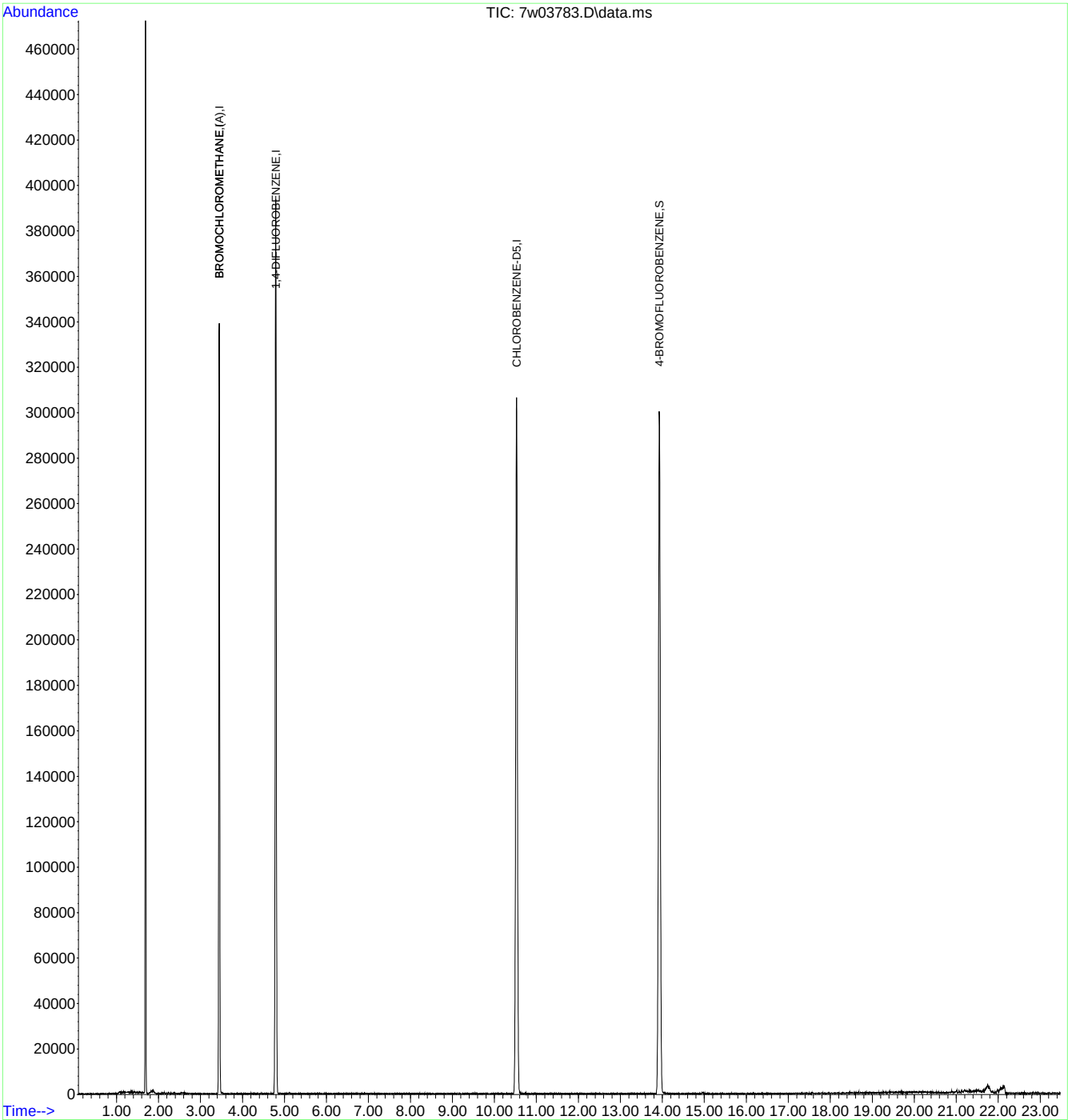
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.447	128	51541	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.794	114	263961	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.531	117	239244	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.447	128	51541	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.926	95	183652	10.04	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03783.D
Acq On : 7 Oct 2023 5:29 pm
Operator : taylors
Sample : scc(a1207),cp12436
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 4 Sample Multiplier: 1

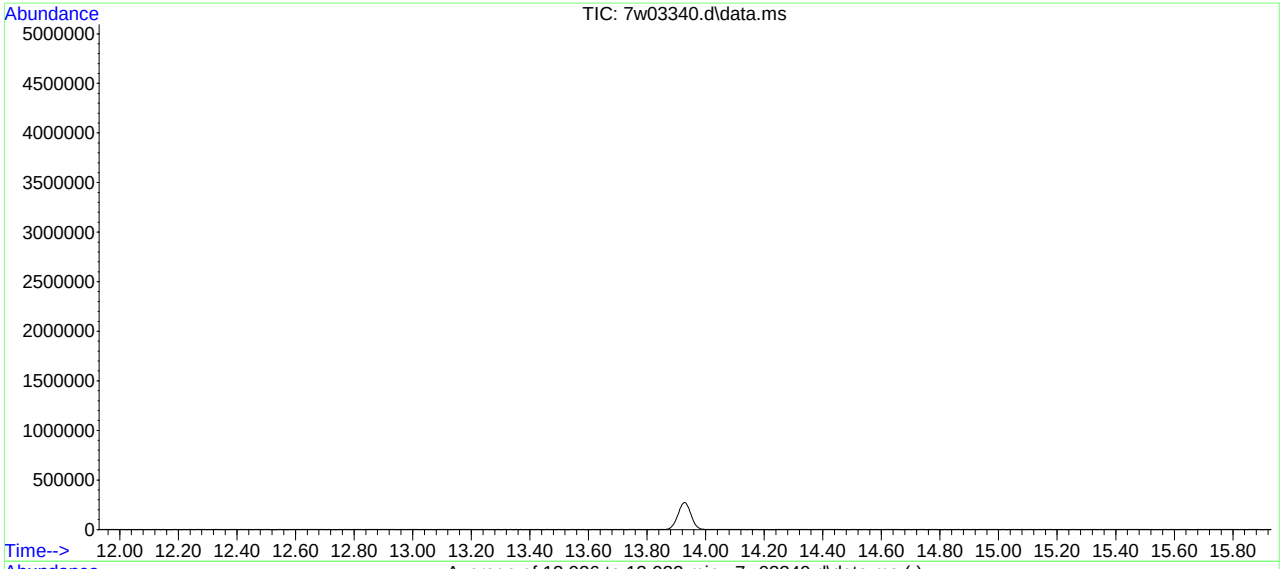
Quant Time: Oct 09 13:39:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\data\7w\7w03340.d Vial: 2
Acq On : 21 Sep 2023 5:34 pm Operator: thomash
Sample : bfb Inst : MS7W
Misc : MS73305,v7w0138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4304, 4305, 4306; Background Corrected with Scan 4276

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.7	13848	PASS
75	95	30	66	50.0	28051	PASS
95	95	100	100	100.0	56061	PASS
96	95	5	9	6.3	3511	PASS
173	174	0.00	2	0.7	287	PASS
174	95	50	120	76.0	42587	PASS
175	174	4	9	7.8	3324	PASS
176	174	93	101	97.4	41461	PASS
177	176	5	9	6.6	2740	PASS

7w03340.d M7Wbfb.M Fri Sep 22 16:25:40 2023

Average of 13.926 to 13.932 min.: 7w03340.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	520	51.00	4242	66.70	65	77.95	201
37.00	3252	52.00	157	67.05	113	78.90	1499
38.00	2860	54.95	153	68.00	5842	79.90	439
39.00	1132	55.95	949	69.00	5687	80.90	1499
39.90	6	57.00	1807	69.95	400	81.85	302
44.00	418	58.00	54	71.85	292	86.95	2080
45.00	600	60.00	589	72.95	2352	87.95	2278
47.05	1034	61.00	2769	74.00	9292	90.85	173
47.90	380	62.00	2843	75.00	28051	92.00	1496
49.00	2866	63.00	2063	76.00	2461	93.00	2278
50.00	13848	64.00	152	76.95	277	94.00	6644

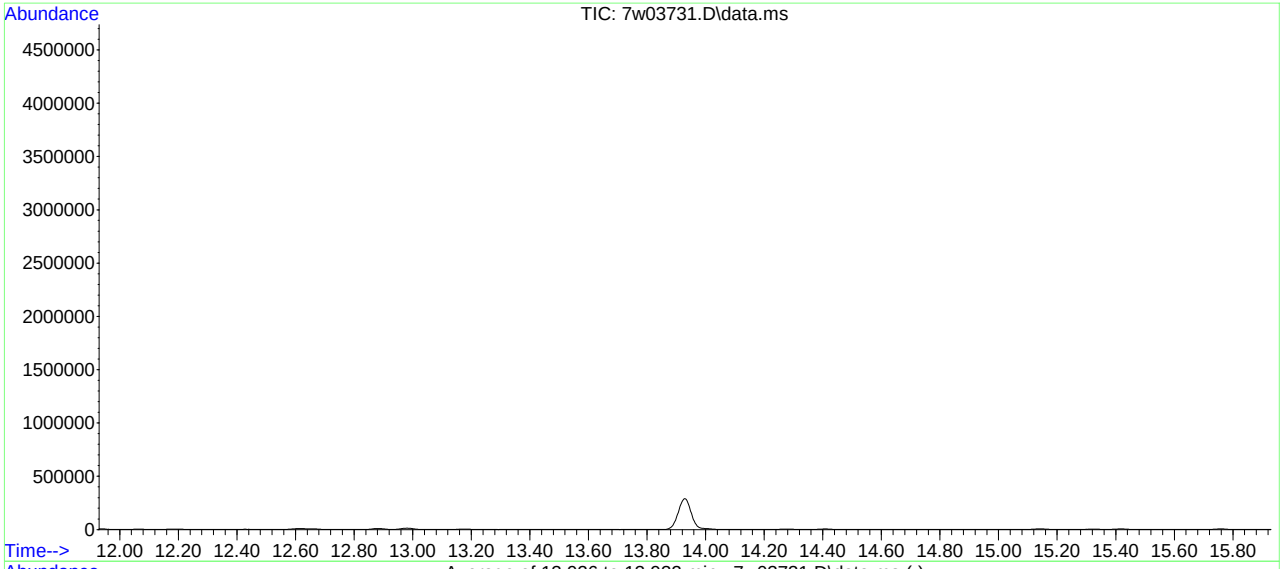
Average of 13.926 to 13.932 min.: 7w03340.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	56061	117.75	219	142.95	597	171.75	44
96.00	3511	118.80	290	143.80	20	172.90	287
96.85	76	127.90	197	145.90	99	173.90	42587
103.85	297	128.85	88	147.85	129	174.90	3324
105.85	295	129.85	177	149.90	21	175.90	41461
106.85	46	130.80	60	152.80	20	176.90	2740
110.90	19	131.00	28	154.70	41	177.80	64
112.90	60	134.95	96	154.95	87		
114.75	39	136.85	122	156.70	54		
115.90	182	140.90	580	158.75	88		
116.85	331	141.85	50	160.75	45		

BFB

Data File : C:\msdchem\1\data\7w\7w03731.D Vial: 1
Acq On : 6 Oct 2023 8:41 am Operator: taylors
Sample : bfb Inst : MS7W
Misc : MS73775,v7w0151,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4304, 4305, 4306; Background Corrected with Scan 4278

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	30.8	17184	PASS
75	95	30	66	54.6	30437	PASS
95	95	100	100	100.0	55723	PASS
96	95	5	9	6.4	3591	PASS
173	174	0.00	2	1.1	430	PASS
174	95	50	120	73.0	40693	PASS
175	174	4	9	7.2	2944	PASS
176	174	93	101	98.2	39955	PASS
177	176	5	9	6.0	2413	PASS

7w03731.D M7Wbfb.M Fri Oct 06 15:39:45 2023

Average of 13.926 to 13.932 min.: 7w03731.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	759	47.95	449	61.95	3451	76.00	2814
37.00	4365	48.95	3540	63.00	2643	76.95	292
38.00	3705	50.00	17184	63.90	245	77.95	263
39.00	1633	51.00	5374	66.90	238	78.90	1965
39.85	81	51.95	233	68.00	6330	79.85	559
40.85	63	54.95	228	69.00	6320	80.85	2026
42.85	94	55.95	1138	69.95	557	81.80	394
43.95	339	56.95	2113	71.90	314	83.05	37
44.95	817	57.95	88	72.95	2638	86.10	23
46.20	27	59.95	645	74.00	10598	86.90	2121
46.95	1203	60.95	3349	75.00	30437	87.95	2320

Average of 13.926 to 13.932 min.: 7w03731.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.85	333	106.90	29	124.10	18	144.85	75
91.95	1980	110.70	28	127.70	244	145.80	90
92.95	2509	110.80	27	128.70	96	146.65	51
93.95	6711	110.95	60	129.85	228	147.80	117
95.00	55723	111.90	17	130.75	75	149.90	81
95.95	3591	112.85	65	134.75	96	151.75	43
96.85	109	114.75	63	135.00	24	152.75	46
103.85	307	115.75	292	136.70	147	154.85	168
104.70	24	116.85	349	140.85	580	156.85	103
104.95	46	117.70	248	141.70	54	158.90	60
105.75	317	118.80	336	142.85	674	160.80	49

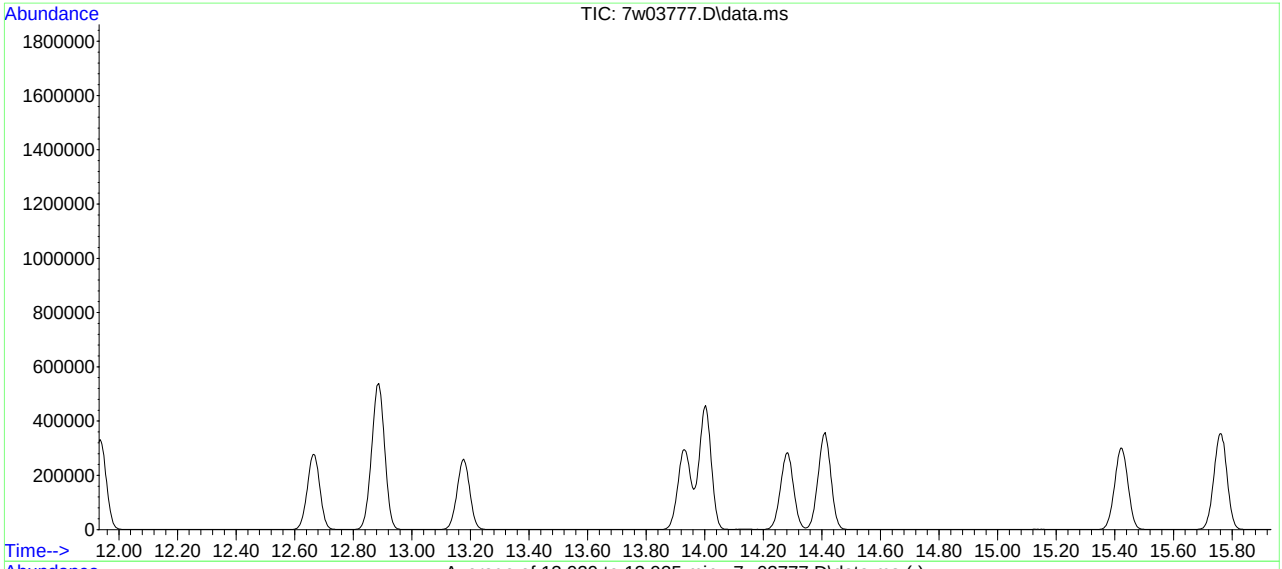
Average of 13.926 to 13.932 min.: 7w03731.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.70	61						
171.90	27						
172.10	58						
172.90	430						
173.90	40693						
174.90	2944						
175.90	39955						
176.85	2413						

BFB

Data File : C:\msdchem\1\data\7w\7w03777.D Vial: 2
Acq On : 7 Oct 2023 1:55 pm Operator: taylors
Sample : bfb Inst : MS7W
Misc : MS73775,v7w0152,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4305, 4306, 4307; Background Corrected with Scan 4276

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	30.0	17309	PASS
75	95	30	66	53.9	31165	PASS
95	95	100	100	100.0	57773	PASS
96	95	5	9	6.7	3887	PASS
173	174	0.00	2	0.6	253	PASS
174	95	50	120	70.7	40867	PASS
175	174	4	9	7.9	3210	PASS
176	174	93	101	97.1	39685	PASS
177	176	5	9	6.7	2645	PASS

7w03777.D M7Wbfb.M Tue Oct 10 11:07:50 2023

Average of 13.929 to 13.935 min.: 7w03777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	877	45.80	44	57.00	2313	70.00	525
37.00	4518	46.10	50	57.95	103	71.00	59
38.00	3695	46.95	1234	59.95	629	71.95	317
39.00	1652	47.95	560	61.00	3540	73.00	2770
39.90	16	49.00	3655	62.00	3193	74.00	10718
40.80	60	50.00	17309	63.00	2457	75.00	31165
41.05	207	51.00	5541	63.90	262	75.95	2609
41.95	60	51.95	203	64.90	21	76.95	396
43.00	414	53.20	19	66.90	245	77.80	152
43.95	541	55.00	313	68.00	6543	78.10	48
44.95	819	55.95	1269	68.95	6383	78.90	1970

Average of 13.929 to 13.935 min.: 7w03777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
79.85	494	94.00	6554	115.75	176	134.75	122
80.90	1983	95.00	57773	116.80	335	136.80	57
81.90	442	96.00	3887	117.95	230	140.85	666
82.90	94	96.90	91	118.80	315	141.80	49
85.00	68	103.75	291	125.70	19	142.85	724
85.90	91	104.85	43	127.70	84	144.80	44
86.95	2324	105.80	252	127.85	156	145.80	58
87.95	2205	106.90	49	128.50	19	147.80	154
90.80	220	109.90	19	129.00	24	148.80	18
91.95	1762	110.80	62	129.80	218	149.90	20
92.90	2450	114.80	22	130.75	45	154.80	155

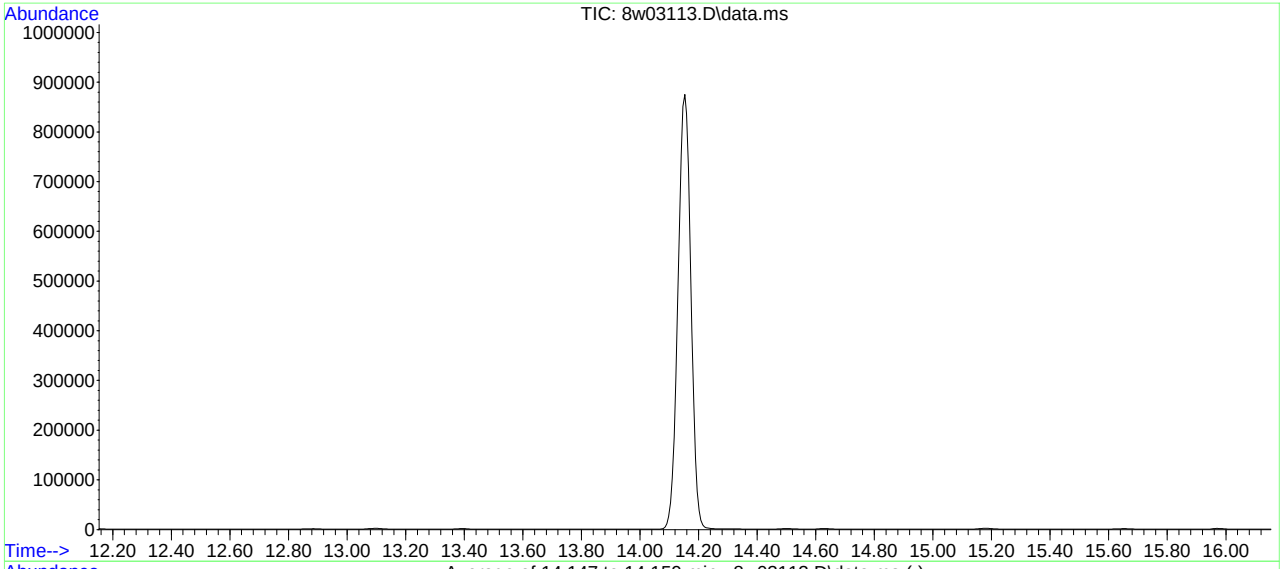
Average of 13.929 to 13.935 min.: 7w03777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.75	124						
171.95	57						
172.90	253						
173.90	40867						
174.90	3210						
175.90	39685						
176.90	2645						
177.90	106						

BFB

Data File : C:\msdchem\1\data\8w\8w03113.D Vial: 2
Acq On : 19 Dec 2023 08:37 pm Operator: taylors
Sample : bfb Inst : GCMS
Misc : MS75442,V8W0124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M8wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 2306, 2307, 2308; Background Corrected with Scan 2290

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.0	33235	PASS
75	95	30	66	49.3	91059	PASS
95	95	100	100	100.0	184597	PASS
96	95	5	9	6.6	12182	PASS
173	174	0.00	2	0.6	921	PASS
174	95	50	120	77.3	142784	PASS
175	174	4	9	7.0	10030	PASS
176	174	93	101	96.3	137472	PASS
177	176	5	9	6.5	8885	PASS

8w03113.D M8wbfb.M Wed Dec 20 08:53:20 2023

Average of 14.147 to 14.159 min.: 8w03113.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1156	49.10	6791	63.05	6068	76.05	7596
37.10	6496	50.10	33235	64.00	521	77.00	980
38.10	5704	51.05	10100	65.00	23	77.95	622
39.10	2387	52.00	453	66.95	417	79.00	4623
40.00	49	55.00	435	68.00	17779	80.00	1327
43.00	26	56.00	2450	69.00	17325	80.95	4887
44.00	751	57.00	4721	70.00	1259	81.95	1018
45.00	1252	58.00	191	72.00	871	82.95	96
46.15	92	60.00	1566	73.00	7573	85.95	157
47.00	2061	61.00	8322	74.00	29379	87.00	7017
48.00	951	62.00	8176	75.00	91059	88.00	6745

Average of 14.147 to 14.159 min.: 8w03113.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.95	631	106.80	51	118.95	953	134.90	344
92.00	5066	106.95	107	122.90	39	136.00	17
93.00	7737	109.90	122	123.90	110	136.90	379
94.00	21221	110.90	155	124.80	18	139.85	103
95.00	184597	111.95	112	125.95	74	140.90	1972
96.05	12182	112.90	168	127.00	23	141.90	201
97.00	325	114.80	56	127.90	598	142.90	2018
102.90	70	114.95	125	128.95	324	143.90	113
103.90	802	115.90	655	129.90	664	144.90	163
104.90	273	116.90	1161	130.90	242	145.90	275
105.90	793	117.90	635	133.90	18	146.80	43

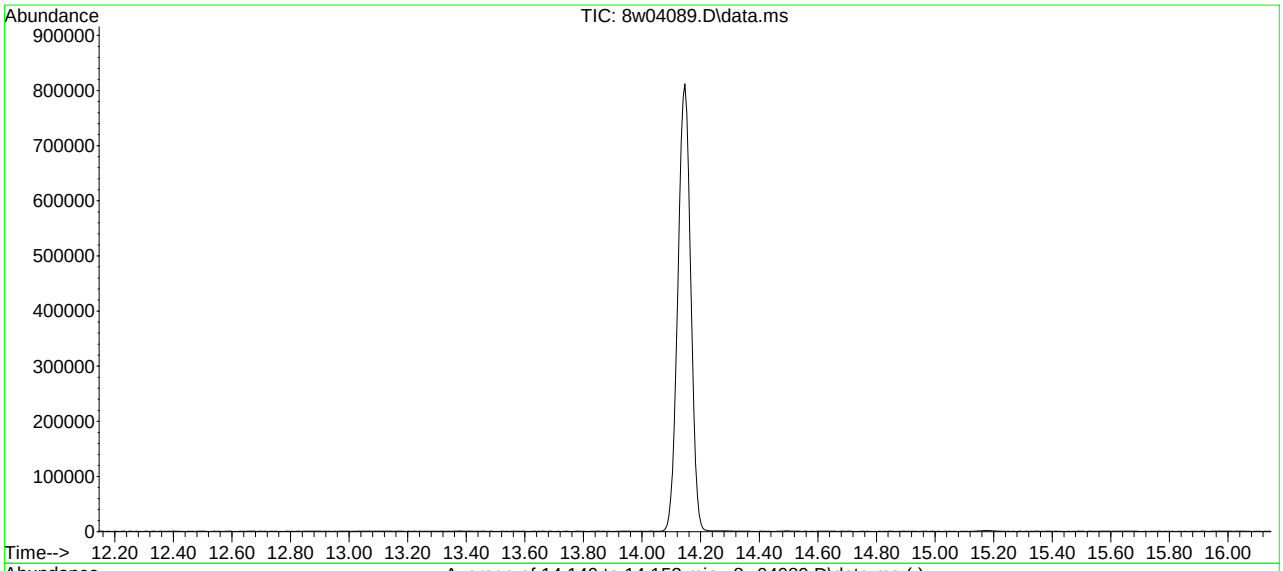
Average of 14.147 to 14.159 min.: 8w03113.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.95	82	160.95	200				
147.90	383	172.00	56				
148.90	123	173.00	921				
149.90	200	174.00	142784				
151.90	95	175.00	10030				
152.95	129	176.00	137472				
153.90	117	177.00	8885				
154.90	442	177.95	226				
156.00	18						
156.90	330						
158.95	231						

BFB

Data File : C:\msdchem\1\data\8w\8w04089.D Vial: 1
Acq On : 30 Jan 2024 12:37 pm Operator: taylors
Sample : bfb Inst : GCMS
Misc : MS77312,V8W0162,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M8wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 2305, 2306, 2307; Background Corrected with Scan 2288

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	12.2	20949	PASS
75	95	30	66	44.7	76565	PASS
95	95	100	100	100.0	171435	PASS
96	95	5	9	6.6	11345	PASS
173	174	0.00	2	0.7	996	PASS
174	95	50	120	88.6	151808	PASS
175	174	4	9	7.1	10842	PASS
176	174	93	101	97.8	148501	PASS
177	176	5	9	6.5	9615	PASS

8w04089.D M8wbfb.M Wed Jan 31 11:02:11 2024

Average of 14.140 to 14.152 min.: 8w04089.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	692	50.05	20949	64.05	427	78.00	616
37.10	3901	51.10	6466	67.05	328	78.95	3667
38.10	3572	52.05	268	68.00	14146	80.00	1041
39.05	1419	55.00	259	69.00	14465	80.95	3944
40.00	21	56.00	1711	70.00	1068	81.95	796
44.00	448	57.00	3167	72.00	701	83.00	79
45.05	805	58.05	117	73.00	6181	85.95	150
46.10	66	60.00	1106	74.00	24179	87.00	7113
47.05	1274	61.00	5810	75.00	76565	88.00	6888
48.00	569	62.00	5790	76.00	6565	90.95	522
49.00	4270	63.00	4490	77.00	825	92.00	4376

Average of 14.140 to 14.152 min.: 8w04089.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	6655	110.95	125	128.90	288	143.90	89
94.00	18859	111.90	90	129.90	564	144.95	141
95.05	171435	112.90	118	130.90	220	145.90	219
96.05	11345	114.90	156	134.90	255	146.95	101
97.05	366	115.95	542	135.95	39	147.90	358
102.95	70	116.90	944	136.90	275	148.90	109
103.95	657	117.90	575	138.80	17	149.90	150
104.90	218	118.95	761	139.90	97	151.85	47
105.90	612	123.90	92	140.90	1423	152.95	112
106.90	134	125.90	62	141.95	181	153.95	86
109.90	81	127.90	565	142.95	1436	155.00	409

Average of 14.140 to 14.152 min.: 8w04089.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.95	272						
158.90	179						
160.90	177						
171.95	95						
173.05	996						
174.00	151808						
175.00	10842						
176.00	148501						
177.00	9615						
178.00	245						

Manual Integrations APPROVED
(compounds with "m" flag)
Kanya Veerawat
09/23/23 14:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03346.D
Acq On : 21 Sep 2023 8:58 pm
Operator : thomash
Sample : ic0138-5
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:33 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.441	128	46989	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.791	114	242489	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.524	117	220179	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.441	128	46988	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.926	95	170069	10.10	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.737	65	23066m	5.10	PPBV		
4) CHLORODIFLUOROMETHANE	1.753	67	9565	4.97	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.763	116	45758	4.97	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.782	85	98513	5.05	PPBV		100
7) PROPYLENE	1.763	41	38707	4.96	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	74626	5.02	PPBV		98
9) FREON 114	1.859	85	77715	4.99	PPBV		99
10) CHLOROMETHANE	1.827	52	13243	5.10	PPBV		98
11) VINYL CHLORIDE	1.894	62	37741	5.04	PPBV		98
12) 1,3-BUTADIENE	1.936	54	34492	5.14	PPBV		98
13) N-BUTANE	1.952	43	73839	5.07	PPBV		99
14) BROMOMETHANE	2.017	94	27610	5.04	PPBV		100
15) CHLOROETHANE	2.068	64	19393	5.03	PPBV		98
16) DICHLOROFLUOROMETHANE	2.094	67	74527	5.08	PPBV		100
17) ACETONITRILE	2.168	41	46335	5.04	PPBV		99
18) ACROLEIN	2.209	56	20927	5.04	PPBV		99
19) FREON 123	2.222	83	69217	5.05	PPBV		99
20) FREON 123A	2.242	117	39830	5.09	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.309	101	85611	5.08	PPBV		100
22) ISOPROPYL ALCOHOL	2.332	45	100923	5.10	PPBV		99
23) ACETONE	2.251	58	21409	4.39	PPBV		96
24) PENTANE	2.428	42	51178	5.36	PPBV		100
25) IODOMETHANE	2.489	142	71547	4.98	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.515	96	28103	5.10	PPBV		97
27) CARBON DISULFIDE	2.653	76	73506	5.04	PPBV		98
28) ETHANOL	2.100	45	24869	4.66	PPBV		99
29) BROMOETHENE	2.174	106	27112	5.07	PPBV		100
30) ACRYLONITRILE	2.399	52	33832	5.15	PPBV		99
31) METHYLENE CHLORIDE	2.553	84	24658	4.85	PPBV		96
32) 3-CHLOROPROPENE	2.595	76	14228	4.87	PPBV		95
33) FREON 113	2.650	151	46354	5.20	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.894	96	33438	5.17	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.541	59	94707	5.16	PPBV		98
36) METHYL TERTIARY BUTYL ...	3.013	73	101166	5.07	PPBV		100
37) TETRAHYDROFURAN	3.750	72	17257	5.20	PPBV		95
38) HEXANE	3.499	57	75271	5.17	PPBV		100
39) VINYL ACETATE	3.049	86	9012	5.11	PPBV		96
40) 1,1-DICHLOROETHANE	2.975	63	73359	5.16	PPBV		100
41) METHYL ETHYL KETONE	3.155	72	18281	4.98	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.361	96	36401	5.23	PPBV		100
43) DIISOPROPYL ETHER	3.505	59	22055	5.23	PPBV		95
44) ETHYL ACETATE	3.512	61	13470	5.33	PPBV		99
45) METHYL ACRYLATE	3.492	55	97348	5.30	PPBV	#	100
46) CHLOROFORM	3.518	83	72003	5.21	PPBV		100
47) 2,4-DIMETHYLPENTANE	4.042	57	89323	5.12	PPBV		100
48) 1,1,1-TRICHLOROETHANE	4.126	97	73365	5.11	PPBV		100
49) CARBON TETRACHLORIDE	4.569	117	76296	5.21	PPBV		100
50) 1,2-DICHLOROETHANE	3.952	62	57957	5.14	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03346.D
Acq On : 21 Sep 2023 8:58 pm
Operator : thomash
Sample : ic0138-5
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:33 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.450	78	107722	5.04	PPBV		99
53)	CYCLOHEXANE	4.672	84	46233	5.10	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.936	71	25792	5.18	PPBV		100
55)	TRICHLOROETHENE	5.389	95	48030	5.15	PPBV		100
56)	1,2-DICHLOROPROPANE	5.145	63	48503	5.18	PPBV		99
57)	DIBROMOMETHANE	5.103	174	41956	4.94	PPBV		99
58)	ETHYL ACRYLATE	5.270	55	120921	5.24	PPBV		100
59)	BROMODICHLOROMETHANE	5.335	83	78088	5.14	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.489	57	243133	5.18	PPBV		100
61)	1,4-DIOXANE	5.422	88	27633	5.68	PPBV		93
62)	HEPTANE	5.817	43	99183	5.35	PPBV		98
63)	METHYL METHACRYLATE	5.711	69	42964	5.01	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.479	58	51464	5.37	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.360	75	61789	5.03	PPBV		99
66)	TOLUENE	7.605	91	131262	5.01	PPBV		100
67)	1,3-DICHLOROPROPANE	7.663	76	66431	5.16	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.061	75	55515	4.99	PPBV		98
69)	1,1,2-TRICHLOROETHANE	7.225	83	37711	5.12	PPBV		99
70)	2-HEXANONE	8.200	58	73921	5.08	PPBV		99
71)	ETHYL METHACRYLATE	8.322	69	72907	5.15	PPBV		99
72)	TETRACHLOROETHENE	9.373	164	50376	4.99	PPBV		99
73)	DIBROMOCHLOROMETHANE	8.155	129	73526	5.07	PPBV		100
74)	1,2-DIBROMOETHANE	8.505	107	67523	5.16	PPBV		100
75)	OCTANE	9.518	43	137547	5.21	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.617	131	56223	5.06	PPBV		98
78)	CHLOROBENZENE	10.605	112	104341	5.02	PPBV		99
79)	ETHYLBENZENE	11.498	91	175869	5.13	PPBV		100
80)	M,P-XYLENE	11.932	91	276526	10.31	PPBV		95
81)	O-XYLENE	12.881	91	141656	5.15	PPBV		100
82)	STYRENE	12.662	104	102045	5.30	PPBV		100
83)	NONANE	14.000	43	143188	5.30	PPBV		99
84)	BROMOFORM	11.743	173	67336	5.16	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.891	83	99306	5.21	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	13.174	75	80102	5.16	PPBV	#	99
88)	ISOPROPYLBENZENE	14.405	120	51175	5.08	PPBV		100
89)	BROMOBENZENE	14.280	77	99471	5.11	PPBV		99
90)	2-CHLOROTOLUENE	15.424	126	46575	5.08	PPBV		100
91)	N-PROPYLBENZENE	15.756	120	53532	5.29	PPBV		99
92)	4-ETHYLTOLUENE	16.135	105	193121	5.32	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.296	105	164202	5.26	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.498	118	80912	5.39	PPBV		99
95)	TERT-BUTYLBENZENE	16.759	134	39871	5.20	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.765	105	165778	5.27	PPBV		99
97)	BENZYL CHLORIDE	16.849	91	102262	5.12	PPBV		100
98)	M-DICHLOROBENZENE	16.823	146	102979	5.21	PPBV		99
99)	P-DICHLOROBENZENE	16.907	146	102456	5.23	PPBV		99
100)	O-DICHLOROBENZENE	17.202	146	98950	5.20	PPBV		99
101)	SEC-BUTYLBENZENE	17.038	134	49868	5.31	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	17.148	105	165348	5.18	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.215	134	53699	5.29	PPBV		100
104)	N-BUTYLBENZENE	17.563	134	48768	5.26	PPBV		95
105)	HEXACHLOROETHANE	17.739	117	57465	5.00	PPBV		100
106)	HEXACHLOROBUTADIENE	18.775	225	78754	4.73	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.469	180	65708	4.59	PPBV		100
108)	NAPHTHALENE	18.517	128	176431	4.68	PPBV		100
110)	TVHC as equiv Pentane	2.428	TIC	229568	5.04	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03346.D
Acq On : 21 Sep 2023 8:58 pm
Operator : thomash
Sample : ic0138-5
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:33 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

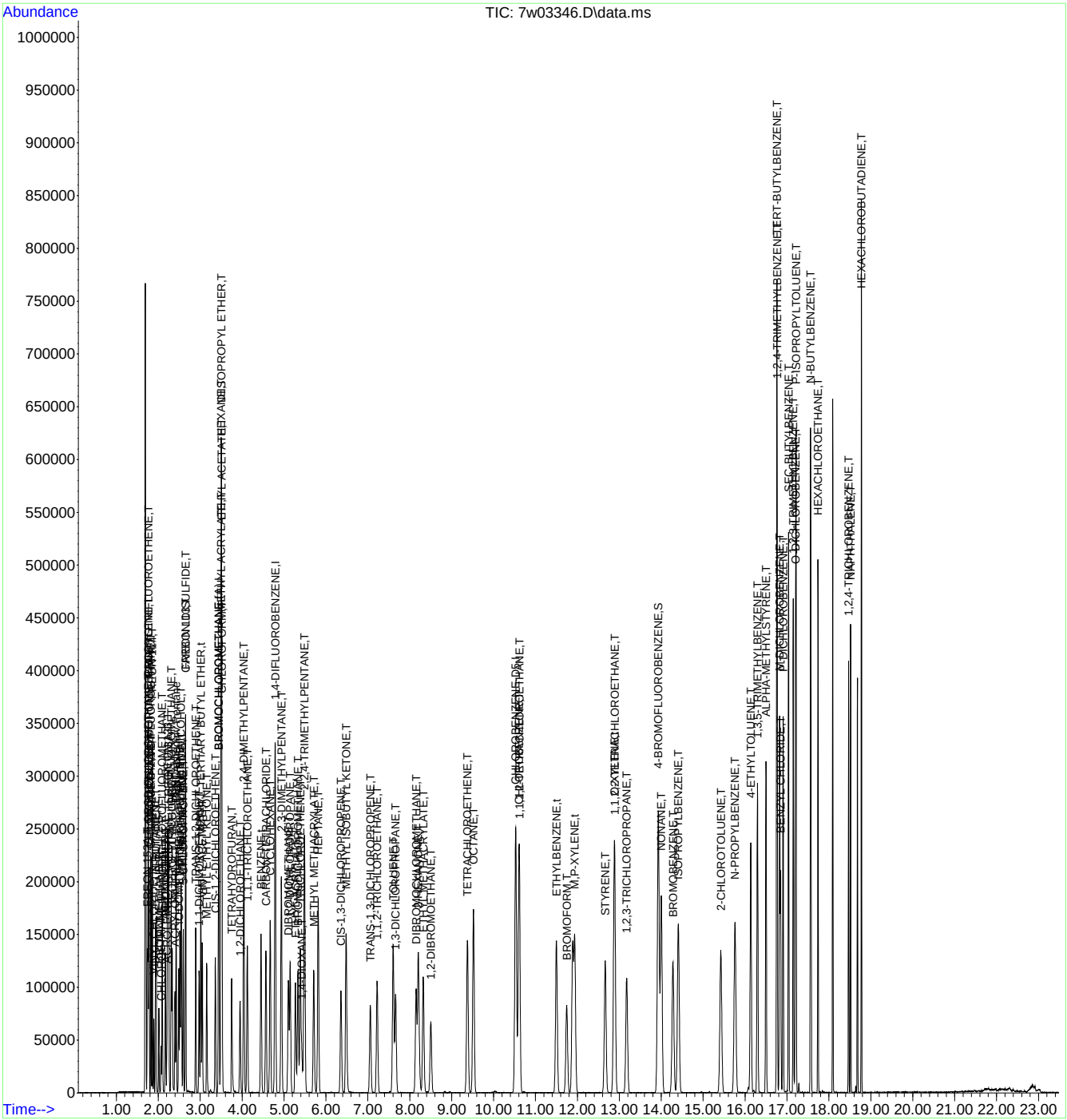
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03346.D
Acq On : 21 Sep 2023 8:58 pm
Operator : thomash
Sample : ic0138-5
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:33 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



Manual Integration Approval Summary

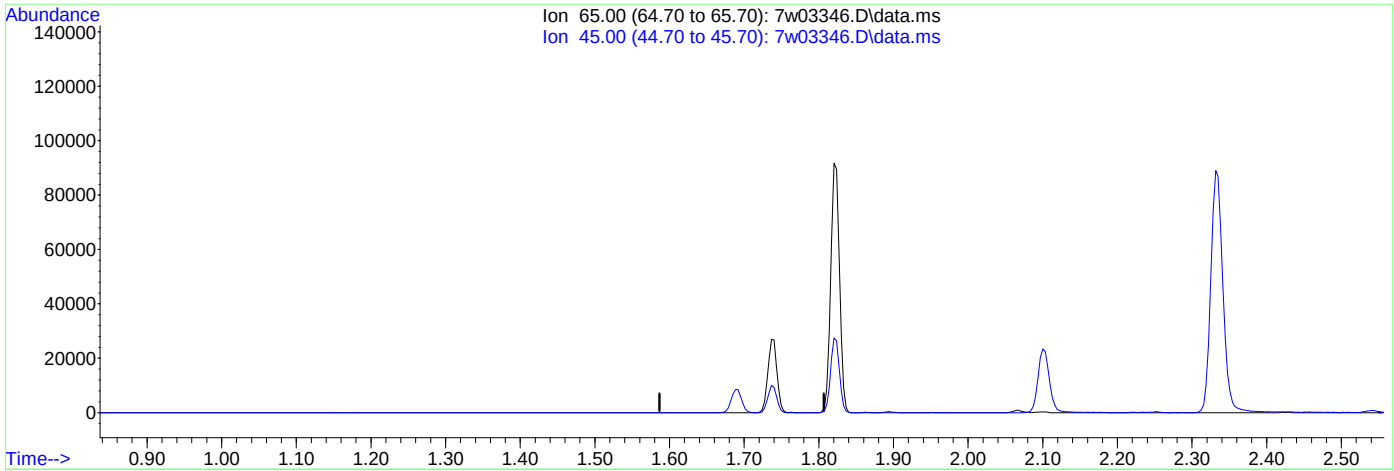
Sample Number:	V7W138-IC0138	**Method:**	TO-15
Lab FileID:	7W03346.D	**Analyst approved:**	09/22/23 15:29 William Cruser
Injection Time:	09/21/23 20:58	**Supervisor approved:**	09/23/23 14:33 Kanya Veerawat

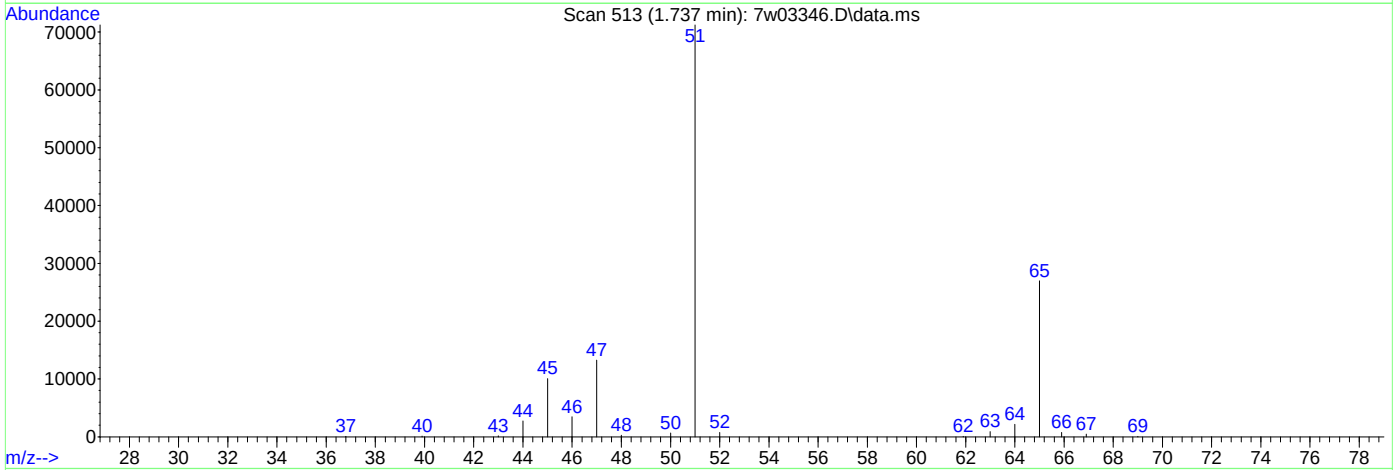
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.74	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03346.D
Acq On : 21 Sep 2023 8:58 pm
Operator : thomash
Sample : ic0138-5
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:12:00 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03346.D\data.ms

(3) FREON 152A (T)

1.737min (-1.737) 0.00PPBV

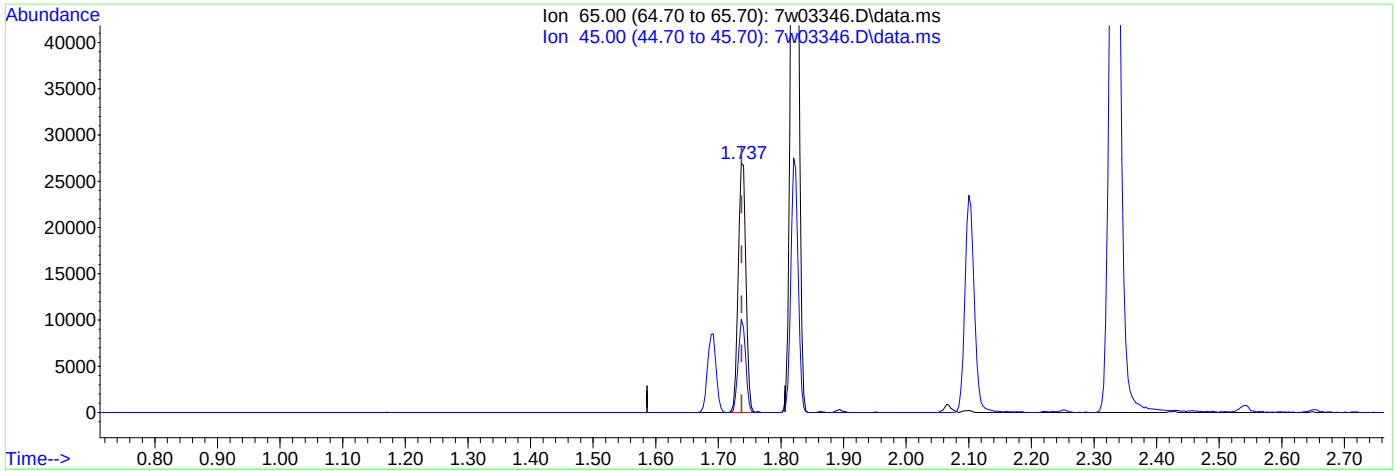
response 0

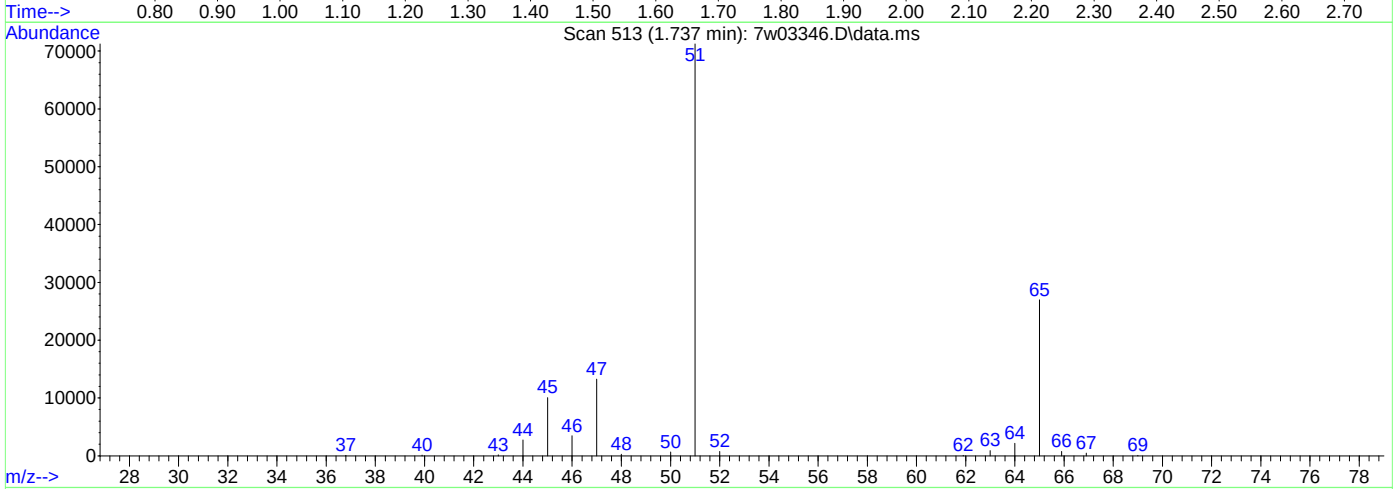
Ion	Exp%	Act%
65.00	100	0.00
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03346.D
Acq On : 21 Sep 2023 8:58 pm
Operator : thomash
Sample : ic0138-5
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:12:00 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03346.D\data.ms

(3) FREON 152A (T)

1.737min (-0.000) 5.10PPBV m

response 23066

Ion	Exp%	Act%
65.00	100	100
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03347.D
Acq On : 21 Sep 2023 9:33 pm
Operator : thomash
Sample : icc0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:25 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.441	128	45391	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.788	114	234134	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.528	117	215336	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.441	128	45391	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.929	95	165375	10.04	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.737	65	44060	10.08	PPBV		100
4) CHLORODIFLUOROMETHANE	1.750	67	18974	10.20	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.763	116	88942	10.00	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.779	85	188421	9.99	PPBV		100
7) PROPYLENE	1.759	41	75080	9.96	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	143714	10.00	PPBV		100
9) FREON 114	1.856	85	150456	9.99	PPBV		100
10) CHLOROMETHANE	1.827	52	25493	10.16	PPBV		99
11) VINYL CHLORIDE	1.891	62	73906	10.21	PPBV		100
12) 1,3-BUTADIENE	1.933	54	65832	10.15	PPBV		100
13) N-BUTANE	1.949	43	139050	9.89	PPBV		100
14) BROMOMETHANE	2.013	94	53181	10.05	PPBV		100
15) CHLOROETHANE	2.065	64	37297	10.02	PPBV		100
16) DICHLOROFLUOROMETHANE	2.091	67	142729	10.07	PPBV		100
17) ACETONITRILE	2.164	41	87339	9.84	PPBV		100
18) ACROLEIN	2.206	56	40197	10.02	PPBV		100
19) FREON 123	2.219	83	132680	10.03	PPBV		100
20) FREON 123A	2.238	117	75573	9.99	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.309	101	163986	10.08	PPBV		100
22) ISOPROPYL ALCOHOL	2.328	45	191733	10.03	PPBV		100
23) ACETONE	2.248	58	40541	8.60	PPBV		100
24) PENTANE	2.428	42	94394	10.23	PPBV		100
25) IODOMETHANE	2.486	142	138290	9.97	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.515	96	52652	9.89	PPBV		100
27) CARBON DISULFIDE	2.653	76	140924	10.00	PPBV		100
28) ETHANOL	2.097	45	45966	8.92	PPBV		100
29) BROMOETHENE	2.174	106	51687	10.01	PPBV		100
30) ACRYLONITRILE	2.396	52	64834	10.21	PPBV		100
31) METHYLENE CHLORIDE	2.554	84	47231	9.61	PPBV		99
32) 3-CHLOROPROPENE	2.595	76	27574	9.76	PPBV		100
33) FREON 113	2.650	151	87928	10.22	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.894	96	63115	10.10	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.534	59	176659	9.97	PPBV		100
36) METHYL TERTIARY BUTYL ...	3.010	73	191759	9.95	PPBV		100
37) TETRAHYDROFURAN	3.743	72	32577	10.17	PPBV		100
38) HEXANE	3.496	57	139704	9.94	PPBV		100
39) VINYL ACETATE	3.049	86	17353	10.19	PPBV		100
40) 1,1-DICHLOROETHANE	2.975	63	138544	10.10	PPBV		100
41) METHYL ETHYL KETONE	3.152	72	34508	9.73	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.361	96	68185	10.14	PPBV		100
43) DIISOPROPYL ETHER	3.502	59	41409	10.17	PPBV		100
44) ETHYL ACETATE	3.505	61	25156	10.30	PPBV		100
45) METHYL ACRYLATE	3.492	55	182717	10.31	PPBV	#	100
46) CHLOROFORM	3.518	83	135067	10.12	PPBV		100
47) 2,4-DIMETHYLPENTANE	4.039	57	167747	9.95	PPBV		100
48) 1,1,1-TRICHLOROETHANE	4.126	97	138559	9.99	PPBV		100
49) CARBON TETRACHLORIDE	4.570	117	146244	10.34	PPBV		100
50) 1,2-DICHLOROETHANE	3.952	62	108697	9.97	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03347.D
Acq On : 21 Sep 2023 9:33 pm
Operator : thomash
Sample : icc0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:25 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.451	78	201069	9.73	PPBV	100
53)	CYCLOHEXANE	4.669	84	88040	10.05	PPBV	100
54)	2,3-DIMETHYLPENTANE	4.936	71	48083	10.01	PPBV	100
55)	TRICHLOROETHENE	5.389	95	89635	9.95	PPBV	100
56)	1,2-DICHLOROPROPANE	5.148	63	90710	10.04	PPBV	100
57)	DIBROMOMETHANE	5.106	174	79293	9.68	PPBV	100
58)	ETHYL ACRYLATE	5.267	55	229430	10.29	PPBV	100
59)	BROMODICHLOROMETHANE	5.335	83	149660	10.21	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.486	57	449818	9.93	PPBV	100
61)	1,4-DIOXANE	5.409	88	49614	10.56	PPBV	100
62)	HEPTANE	5.814	43	181390	10.13	PPBV	100
63)	METHYL METHACRYLATE	5.705	69	82127	9.91	PPBV	100
64)	METHYL ISOBUTYL KETONE	6.470	58	93931	10.16	PPBV	100
65)	CIS-1,3-DICHLOROPROPENE	6.357	75	118388	9.98	PPBV	100
66)	TOLUENE	7.605	91	248202	9.82	PPBV	100
67)	1,3-DICHLOROPROPANE	7.663	76	125095	10.07	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	7.058	75	108835	10.14	PPBV	100
69)	1,1,2-TRICHLOROETHANE	7.219	83	70868	9.97	PPBV	100
70)	2-HEXANONE	8.193	58	137679	9.80	PPBV	100
71)	ETHYL METHACRYLATE	8.319	69	136765	10.00	PPBV	100
72)	TETRACHLOROETHENE	9.376	164	95328	9.78	PPBV	100
73)	DIBROMOCHLOROMETHANE	8.155	129	143110	10.21	PPBV	100
74)	1,2-DIBROMOETHANE	8.502	107	128508	10.17	PPBV	100
75)	OCTANE	9.518	43	255686	10.02	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.614	131	108817	10.01	PPBV	100
78)	CHLOROBENZENE	10.605	112	200153	9.85	PPBV	100
79)	ETHYLBENZENE	11.495	91	335298	10.00	PPBV	100
80)	M,P-XYLENE	11.936	91	524834	20.01	PPBV	97
81)	O-XYLENE	12.881	91	268518	9.99	PPBV	100
82)	STYRENE	12.662	104	197013	10.46	PPBV	100
83)	NONANE	14.003	43	268522	10.16	PPBV	100
84)	BROMOFORM	11.743	173	133792	10.49	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.891	83	187995	10.09	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	13.174	75	152389	10.04	PPBV	100
88)	ISOPROPYLBENZENE	14.405	120	97322	9.87	PPBV	100
89)	BROMOBENZENE	14.280	77	188312	9.89	PPBV	100
90)	2-CHLOROTOLUENE	15.421	126	89290	9.96	PPBV	100
91)	N-PROPYLBENZENE	15.756	120	102169	10.32	PPBV	100
92)	4-ETHYLTOLUENE	16.138	105	364412	10.26	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	16.296	105	311341	10.20	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.498	118	157773	10.74	PPBV	100
95)	TERT-BUTYLBENZENE	16.759	134	75179	10.03	PPBV	100
96)	1,2,4-TRIMETHYLBENZENE	16.765	105	314323	10.22	PPBV	100
97)	BENZYL CHLORIDE	16.849	91	220602	11.29	PPBV	100
98)	M-DICHLOROBENZENE	16.826	146	200500	10.36	PPBV	100
99)	P-DICHLOROBENZENE	16.907	146	197978	10.33	PPBV	100
100)	O-DICHLOROBENZENE	17.202	146	189463	10.19	PPBV	100
101)	SEC-BUTYLBENZENE	17.038	134	93325	10.16	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	17.151	105	313072	10.02	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.215	134	101632	10.25	PPBV	100
104)	N-BUTYLBENZENE	17.563	134	96980	10.69	PPBV	100
105)	HEXACHLOROETHANE	17.739	117	112768	10.04	PPBV	100
106)	HEXACHLOROBUTADIENE	18.778	225	150849	9.26	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.473	180	141840	10.14	PPBV	100
108)	NAPHTHALENE	18.521	128	375148	10.17	PPBV	100
110)	TVHC as equiv Pentane	2.428	TIC	420556	9.56	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03347.D
Acq On : 21 Sep 2023 9:33 pm
Operator : thomash
Sample : icc0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:25 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

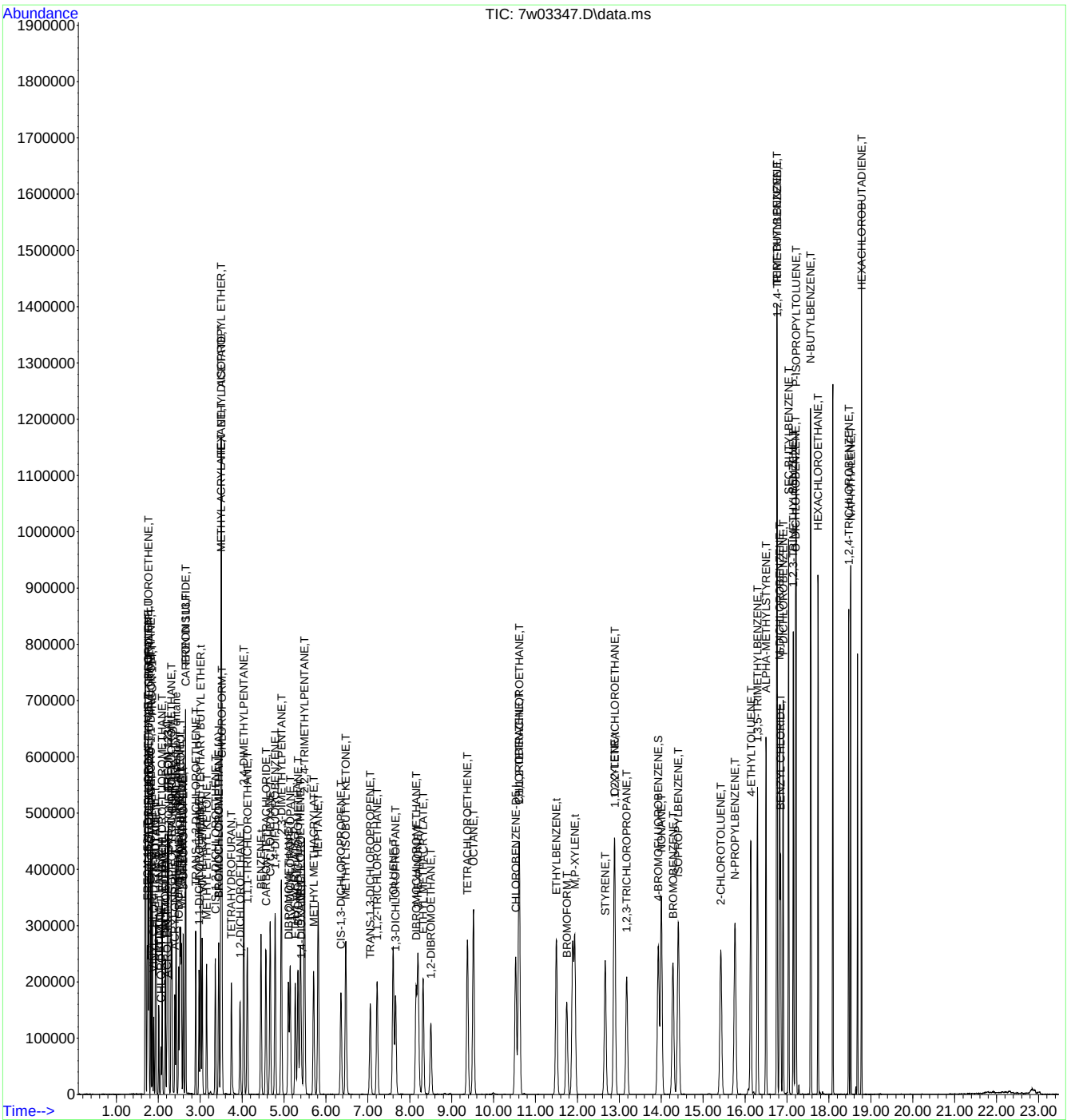
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03347.D
Acq On : 21 Sep 2023 9:33 pm
Operator : thomash
Sample : icc0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:25 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/23/23 14:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03348.D
Acq On : 21 Sep 2023 10:09 pm
Operator : thomash
Sample : ic0138-20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:57 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.441	128	44969	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.791	114	229526	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.527	117	212779	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.441	128	44976	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.929	95	166893	10.25	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.737	65	87763m	20.26	PPBV		
4) CHLORODIFLUOROMETHANE	1.750	67	37289	20.23	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.763	116	175669	19.93	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.779	85	375600	20.10	PPBV		99
7) PROPYLENE	1.759	41	146211	19.59	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	283708	19.93	PPBV		100
9) FREON 114	1.859	85	298329	20.00	PPBV		100
10) CHLOROMETHANE	1.827	52	49207	19.79	PPBV		100
11) VINYL CHLORIDE	1.891	62	144124	20.09	PPBV		99
12) 1,3-BUTADIENE	1.933	54	127855	19.91	PPBV		99
13) N-BUTANE	1.949	43	268809	19.30	PPBV		99
14) BROMOMETHANE	2.013	94	104205	19.89	PPBV		100
15) CHLOROETHANE	2.065	64	72607	19.69	PPBV		100
16) DICHLOROFLUOROMETHANE	2.090	67	279933	19.93	PPBV		100
17) ACETONITRILE	2.164	41	166809	18.98	PPBV		99
18) ACROLEIN	2.206	56	77542	19.51	PPBV		100
19) FREON 123	2.222	83	257676	19.66	PPBV		100
20) FREON 123A	2.238	117	147140	19.63	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.309	101	318928	19.79	PPBV		100
22) ISOPROPYL ALCOHOL	2.325	45	359936	19.01	PPBV		99
23) ACETONE	2.248	58	77318	16.56	PPBV		99
24) PENTANE	2.428	42	180098	19.71	PPBV		99
25) IODOMETHANE	2.489	142	266578	19.40	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.515	96	101978	19.33	PPBV		99
27) CARBON DISULFIDE	2.653	76	271349	19.44	PPBV		100
28) ETHANOL	2.097	45	87189	17.08	PPBV		98
29) BROMOETHENE	2.174	106	101026	19.76	PPBV		99
30) ACRYLONITRILE	2.396	52	123667	19.66	PPBV		99
31) METHYLENE CHLORIDE	2.553	84	91321	18.76	PPBV		98
32) 3-CHLOROPROPENE	2.595	76	53186	19.01	PPBV		97
33) FREON 113	2.650	151	169530	19.88	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.894	96	120566	19.48	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.531	59	336934	19.20	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.010	73	370442	19.41	PPBV		99
37) TETRAHYDROFURAN	3.743	72	62540	19.70	PPBV		97
38) HEXANE	3.499	57	264891	19.02	PPBV		99
39) VINYL ACETATE	3.049	86	34625	20.52	PPBV		91
40) 1,1-DICHLOROETHANE	2.975	63	263428	19.38	PPBV		100
41) METHYL ETHYL KETONE	3.152	72	66891	19.04	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.361	96	130081	19.52	PPBV		99
43) DIISOPROPYL ETHER	3.502	59	78359	19.43	PPBV		97
44) ETHYL ACETATE	3.505	61	48075	19.87	PPBV		94
45) METHYL ACRYLATE	3.489	55	349364	19.89	PPBV	#	100
46) CHLOROFORM	3.521	83	255211	19.30	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.042	57	318068	19.05	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.126	97	267939	19.49	PPBV		99
49) CARBON TETRACHLORIDE	4.569	117	285804	20.39	PPBV		99
50) 1,2-DICHLOROETHANE	3.952	62	207704	19.24	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03348.D
Acq On : 21 Sep 2023 10:09 pm
Operator : thomash
Sample : ic0138-20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:57 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.450	78	381839	18.65	PPBV	100
53)	CYCLOHEXANE	4.672	84	167807	19.55	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.936	71	91660	19.46	PPBV	99
55)	TRICHLOROETHENE	5.393	95	172086	19.49	PPBV	100
56)	1,2-DICHLOROPROPANE	5.148	63	173084	19.54	PPBV	100
57)	DIBROMOMETHANE	5.106	174	152562	19.00	PPBV	99
58)	ETHYL ACRYLATE	5.267	55	439405	20.11	PPBV	100
59)	BROMODICHLOROMETHANE	5.335	83	287970	20.03	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.489	57	847881	19.10	PPBV	100
61)	1,4-DIOXANE	5.402	88	91672	19.90	PPBV	98
62)	HEPTANE	5.817	43	341726	19.46	PPBV	100
63)	METHYL METHACRYLATE	5.708	69	156879	19.31	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.470	58	174822	19.29	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	6.360	75	231666	19.92	PPBV	99
66)	TOLUENE	7.608	91	479864	19.37	PPBV	100
67)	1,3-DICHLOROPROPANE	7.663	76	240788	19.77	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	7.061	75	216890	20.61	PPBV	99
69)	1,1,2-TRICHLOROETHANE	7.225	83	137710	19.77	PPBV	99
70)	2-HEXANONE	8.193	58	260021	18.87	PPBV	98
71)	ETHYL METHACRYLATE	8.322	69	262891	19.60	PPBV	99
72)	TETRACHLOROETHENE	9.380	164	184451	19.30	PPBV	99
73)	DIBROMOCHLOROMETHANE	8.155	129	286036	20.82	PPBV	100
74)	1,2-DIBROMOETHANE	8.508	107	247776	20.01	PPBV	99
75)	OCTANE	9.521	43	492134	19.68	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.621	131	214676	19.98	PPBV	99
78)	CHLOROBENZENE	10.611	112	389261	19.39	PPBV	100
79)	ETHYLBENZENE	11.502	91	658333	19.87	PPBV	100
80)	M,P-XYLENE	11.939	91	1019385	39.33	PPBV	97
81)	O-XYLENE	12.884	91	521676	19.64	PPBV	99
82)	STYRENE	12.666	104	387023	20.80	PPBV	100
83)	NONANE	14.003	43	514461	19.69	PPBV	100
84)	BROMOFORM	11.749	173	274978	21.81	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.894	83	366469	19.90	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	13.180	75	296393	19.76	PPBV	100
88)	ISOPROPYLBENZENE	14.412	120	190253	19.53	PPBV	99
89)	BROMOBENZENE	14.286	77	369499	19.63	PPBV	100
90)	2-CHLOROTOLUENE	15.424	126	175189	19.77	PPBV	100
91)	N-PROPYLBENZENE	15.765	120	201914	20.63	PPBV	99
92)	4-ETHYLTOLUENE	16.138	105	730229	20.82	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	16.296	105	613532	20.35	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.501	118	311374	21.44	PPBV	100
95)	TERT-BUTYLBENZENE	16.762	134	147049	19.85	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.768	105	613976	20.21	PPBV	100
97)	BENZYL CHLORIDE	16.852	91	464179	24.05	PPBV	99
98)	M-DICHLOROBENZENE	16.826	146	392624	20.54	PPBV	100
99)	P-DICHLOROBENZENE	16.910	146	389144	20.55	PPBV	100
100)	O-DICHLOROBENZENE	17.206	146	372548	20.27	PPBV	99
101)	SEC-BUTYLBENZENE	17.038	134	180736	19.90	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	17.151	105	609381	19.74	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.218	134	197564	20.16	PPBV	99
104)	N-BUTYLBENZENE	17.563	134	194385	21.69	PPBV	100
105)	HEXACHLOROETHANE	17.743	117	230310	20.74	PPBV	99
106)	HEXACHLOROBUTADIENE	18.778	225	309271	19.21	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.472	180	315922	22.85	PPBV	99
108)	NAPHTHALENE	18.521	128	833391	22.86	PPBV	100
110)	TVHC as equiv Pentane	2.428	TIC	803905	18.44	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03348.D
Acq On : 21 Sep 2023 10:09 pm
Operator : thomash
Sample : ic0138-20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:57 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

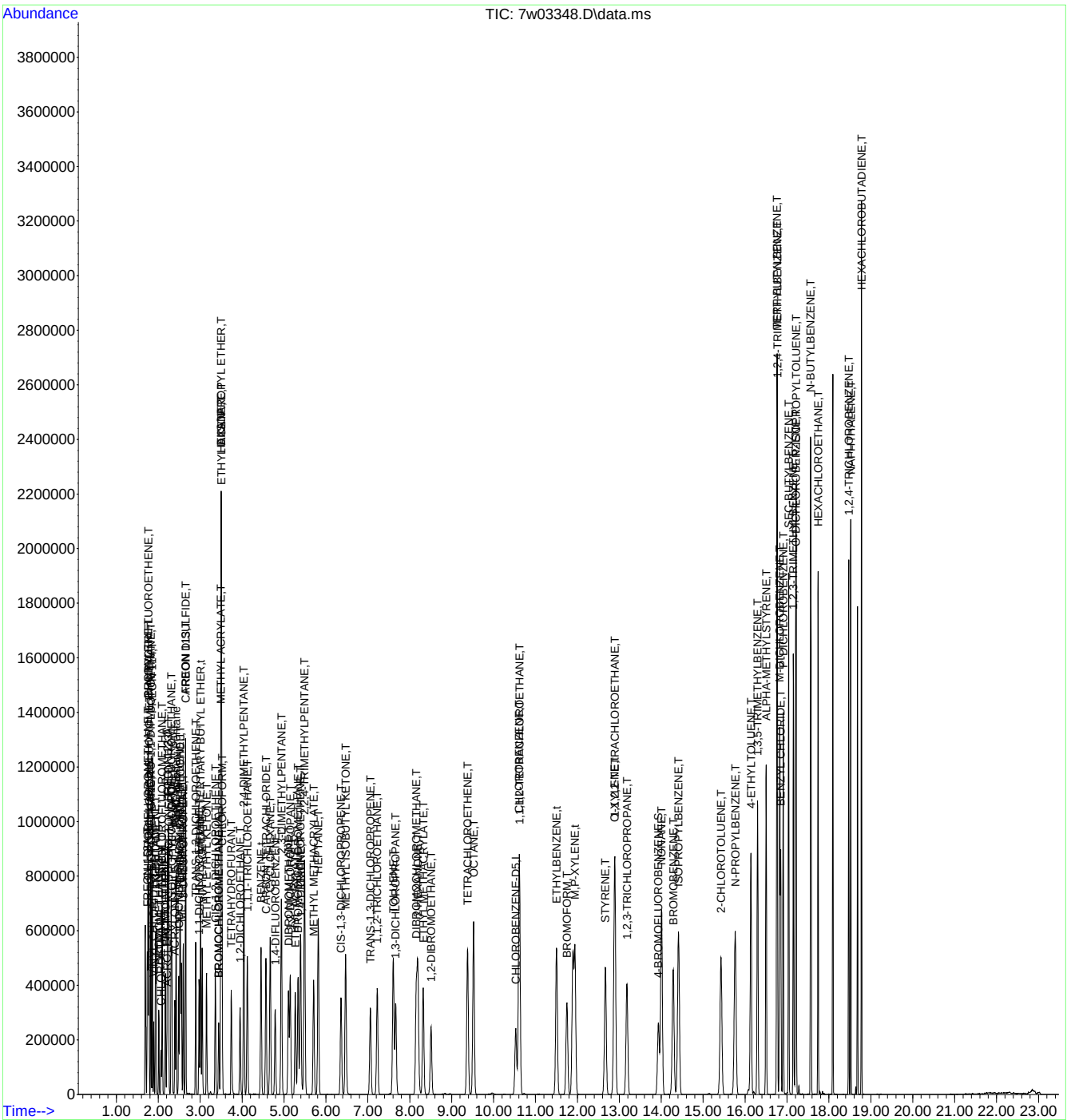
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03348.D
Acq On : 21 Sep 2023 10:09 pm
Operator : thomash
Sample : ic0138-20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:57 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



Manual Integration Approval Summary

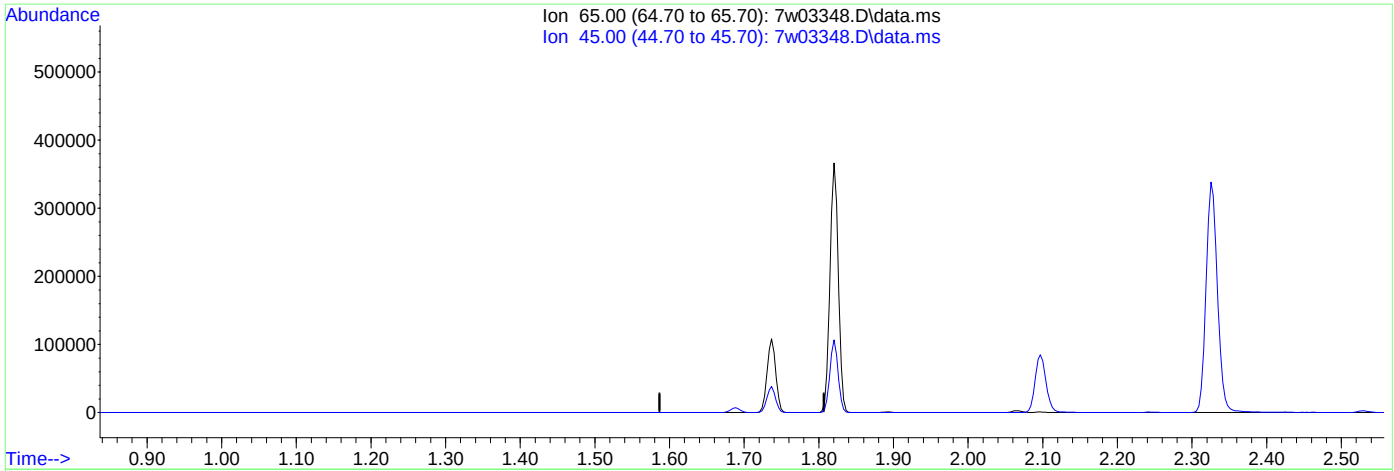
Sample Number: V7W138-IC0138 **Method:** TO-15
Lab FileID: 7W03348.D **Analyst approved:** 09/22/23 15:29 William Cruser
Injection Time: 09/21/23 22:09 **Supervisor approved:** 09/23/23 14:33 Kanya Veerawat

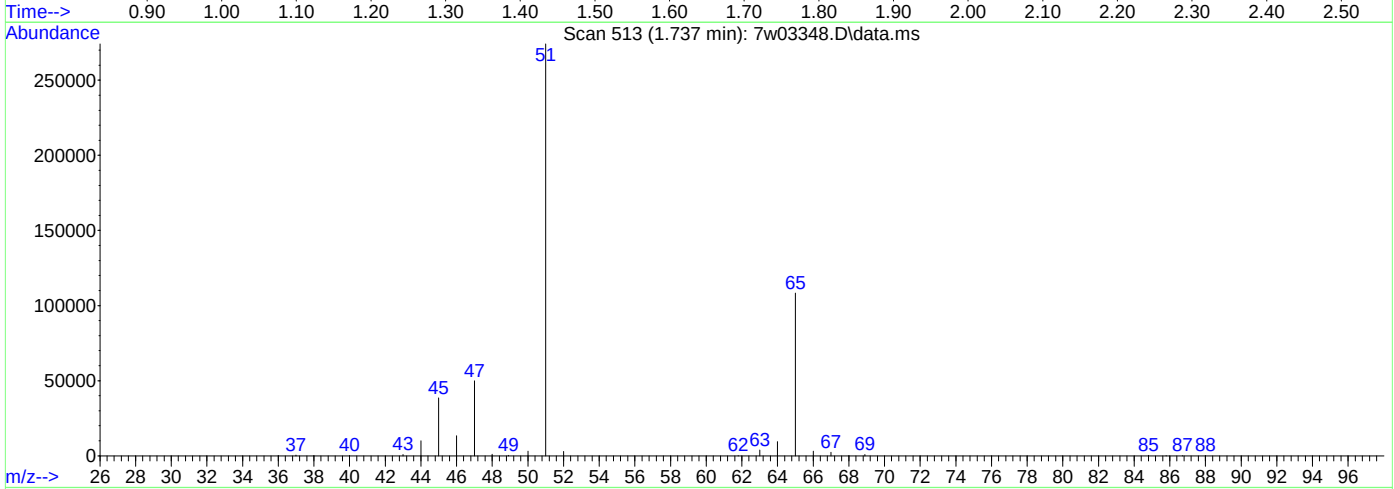
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.74	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03348.D
Acq On : 21 Sep 2023 10:09 pm
Operator : thomash
Sample : ic0138-20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03348.D\data.ms

(3) FREON 152A (T)

1.737min (-1.737) 0.00PPBV

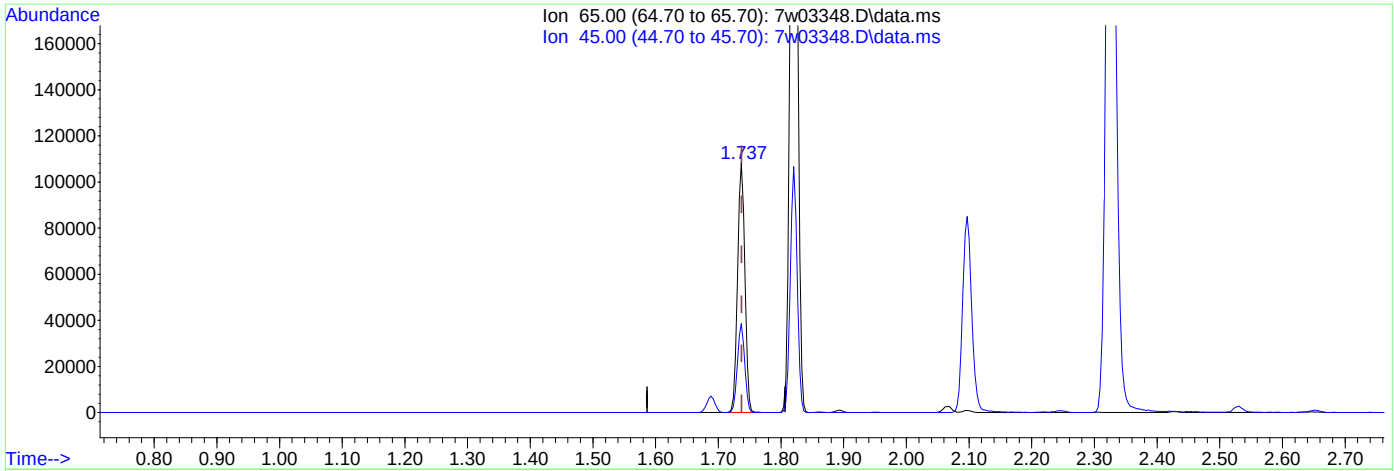
response 0

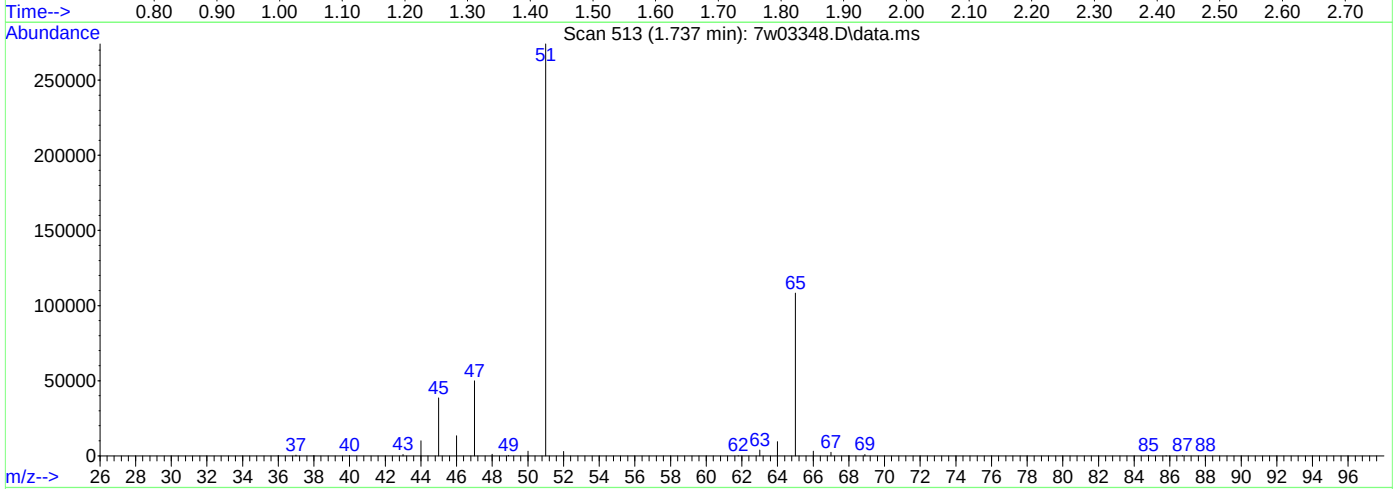
Ion	Exp%	Act%
65.00	100	0.00
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03348.D
Acq On : 21 Sep 2023 10:09 pm
Operator : thomash
Sample : ic0138-20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:13:47 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03348.D\data.ms

(3) FREON 152A (T)

1.737min (-0.000) 20.26PPBV m

response 87763

Ion	Exp%	Act%
65.00	100	100
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03349.D
Acq On : 21 Sep 2023 10:49 pm
Operator : thomash
Sample : ic0138-40
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:14:30 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.444	128	43104	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.791	114	217745	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.531	117	205592	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.444	128	43104	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.936	95	164430	10.45	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	172867	41.63	PPBV		100
4) CHLORODIFLUOROMETHANE	1.753	67	73769	41.76	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.766	116	343848	40.70	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.782	85	737709	41.19	PPBV		99
7) PROPYLENE	1.762	41	284603	39.77	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.823	65	561664	41.16	PPBV		99
9) FREON 114	1.859	85	587625	41.10	PPBV		100
10) CHLOROMETHANE	1.830	52	95182	39.94	PPBV		98
11) VINYL CHLORIDE	1.894	62	282495	41.09	PPBV		99
12) 1,3-BUTADIENE	1.936	54	249741	40.57	PPBV		98
13) N-BUTANE	1.952	43	514452	38.54	PPBV		99
14) BROMOMETHANE	2.016	94	204746	40.76	PPBV		100
15) CHLOROETHANE	2.068	64	142130	40.20	PPBV		97
16) DICHLOROFLUOROMETHANE	2.094	67	546406	40.58	PPBV		99
17) ACETONITRILE	2.164	41	319699	37.95	PPBV		99
18) ACROLEIN	2.206	56	148680	39.02	PPBV		99
19) FREON 123	2.222	83	498000	39.63	PPBV		100
20) FREON 123A	2.241	117	282152	39.27	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.309	101	612537	39.65	PPBV		100
22) ISOPROPYL ALCOHOL	2.325	45	677377	37.33	PPBV		99
23) ACETONE	2.248	58	147594	32.98	PPBV		97
24) PENTANE	2.428	42	335196	38.27	PPBV		98
25) IODOMETHANE	2.489	142	512750	38.93	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.515	96	195214	38.60	PPBV		98
27) CARBON DISULFIDE	2.653	76	516771	38.62	PPBV		99
28) ETHANOL	2.097	45	167931	34.32	PPBV		99
29) BROMOETHENE	2.174	106	196158	40.02	PPBV		98
30) ACRYLONITRILE	2.399	52	233077	38.65	PPBV		99
31) METHYLENE CHLORIDE	2.553	84	174873	37.49	PPBV		100
32) 3-CHLOROPROPENE	2.595	76	102359	38.16	PPBV		93
33) FREON 113	2.653	151	321700	39.37	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.894	96	230759	38.90	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.528	59	632421	37.60	PPBV		98
36) METHYL TERTIARY BUTYL ...	3.010	73	708459	38.73	PPBV		100
37) TETRAHYDROFURAN	3.740	72	119534	39.29	PPBV		95
38) HEXANE	3.499	57	493290	36.96	PPBV		98
39) VINYL ACETATE	3.048	86	66899	41.37	PPBV		90
40) 1,1-DICHLOROETHANE	2.975	63	505495	38.79	PPBV		100
41) METHYL ETHYL KETONE	3.151	72	126754	37.63	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.364	96	249777	39.11	PPBV		99
43) DIISOPROPYL ETHER	3.502	59	146395	37.88	PPBV		94
44) ETHYL ACETATE	3.505	61	90037	38.83	PPBV		88
45) METHYL ACRYLATE	3.492	55	656474	38.99	PPBV	#	100
46) CHLOROFORM	3.524	83	480606	37.92	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.042	57	608127	38.00	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.126	97	515437	39.12	PPBV		99
49) CARBON TETRACHLORIDE	4.569	117	556856	41.46	PPBV		100
50) 1,2-DICHLOROETHANE	3.952	62	396406	38.30	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03349.D
Acq On : 21 Sep 2023 10:49 pm
Operator : thomash
Sample : ic0138-40
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:14:30 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.454	78	737215	37.57	PPBV	99
53)	CYCLOHEXANE	4.672	84	321049	39.42	PPBV	100
54)	2,3-DIMETHYLPENTANE	4.939	71	174861	39.14	PPBV	99
55)	TRICHLOROETHENE	5.392	95	326238	38.94	PPBV	99
56)	1,2-DICHLOROPROPANE	5.151	63	332969	39.62	PPBV	99
57)	DIBROMOMETHANE	5.109	174	293414	38.51	PPBV	100
58)	ETHYL ACRYLATE	5.270	55	842559	40.65	PPBV	99
59)	BROMODICHLOROMETHANE	5.338	83	555742	40.75	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.492	57	1604860	38.11	PPBV	100
61)	1,4-DIOXANE	5.399	88	174299	39.88	PPBV	97
62)	HEPTANE	5.820	43	642433	38.56	PPBV	99
63)	METHYL METHACRYLATE	5.708	69	300017	38.93	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.470	58	333281	38.76	PPBV	97
65)	CIS-1,3-DICHLOROPROPENE	6.363	75	455653	41.29	PPBV	98
66)	TOLUENE	7.611	91	939289	39.96	PPBV	100
67)	1,3-DICHLOROPROPANE	7.669	76	467840	40.50	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	7.064	75	433099	43.38	PPBV	97
69)	1,1,2-TRICHLOROETHANE	7.228	83	269025	40.71	PPBV	99
70)	2-HEXANONE	8.190	58	489079	37.42	PPBV	98
71)	ETHYL METHACRYLATE	8.325	69	513777	40.39	PPBV	98
72)	TETRACHLOROETHENE	9.383	164	360816	39.81	PPBV	99
73)	DIBROMOCHLOROMETHANE	8.158	129	571521	43.85	PPBV	99
74)	1,2-DIBROMOETHANE	8.515	107	486597	41.42	PPBV	99
75)	OCTANE	9.524	43	943659	39.77	PPBV	98
77)	1,1,1,2-TETRACHLOROETHANE	10.627	131	427439	41.17	PPBV	99
78)	CHLOROBENZENE	10.611	112	768475	39.63	PPBV	99
79)	ETHYLBENZENE	11.505	91	1295844	40.47	PPBV	100
80)	M,P-XYLENE	11.945	91	1998713	79.80	PPBV	98
81)	O-XYLENE	12.891	91	1013353	39.49	PPBV	99
82)	STYRENE	12.675	104	761637	42.36	PPBV	99
83)	NONANE	14.013	43	991571	39.28	PPBV	99
84)	BROMOFORM	11.756	173	561870	46.13	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.903	83	715954	40.24	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	13.186	75	585750	40.42	PPBV	100
88)	ISOPROPYLBENZENE	14.418	120	374820	39.83	PPBV	99
89)	BROMOBENZENE	14.292	77	735850	40.46	PPBV	100
90)	2-CHLOROTOLUENE	15.431	126	350759	40.97	PPBV	100
91)	N-PROPYLBENZENE	15.768	120	401629	42.47	PPBV	100
92)	4-ETHYLTOLUENE	16.144	105	1450222	42.79	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	16.302	105	1212947	41.64	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.505	118	615353	43.86	PPBV	100
95)	TERT-BUTYLBENZENE	16.765	134	284752	39.77	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.775	105	1210632	41.24	PPBV	99
97)	BENZYL CHLORIDE	16.855	91	986766	52.91	PPBV	99
98)	M-DICHLOROBENZENE	16.833	146	772441	41.82	PPBV	100
99)	P-DICHLOROBENZENE	16.913	146	772928	42.24	PPBV	100
100)	O-DICHLOROBENZENE	17.209	146	731867	41.22	PPBV	99
101)	SEC-BUTYLBENZENE	17.041	134	351480	40.06	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	17.154	105	1218972	40.86	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.222	134	380741	40.20	PPBV	99
104)	N-BUTYLBENZENE	17.566	134	387299	44.73	PPBV	99
105)	HEXACHLOROETHANE	17.746	117	473599	44.15	PPBV	99
106)	HEXACHLOROBUTADIENE	18.781	225	650574	41.82	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.476	180	737520	55.20	PPBV	99
108)	NAPHTHALENE	18.524	128	1921943	54.57	PPBV	100
110)	TVHC as equiv Pentane	2.428	TIC	1542432	36.92	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03349.D
Acq On : 21 Sep 2023 10:49 pm
Operator : thomash
Sample : ic0138-40
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:14:30 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

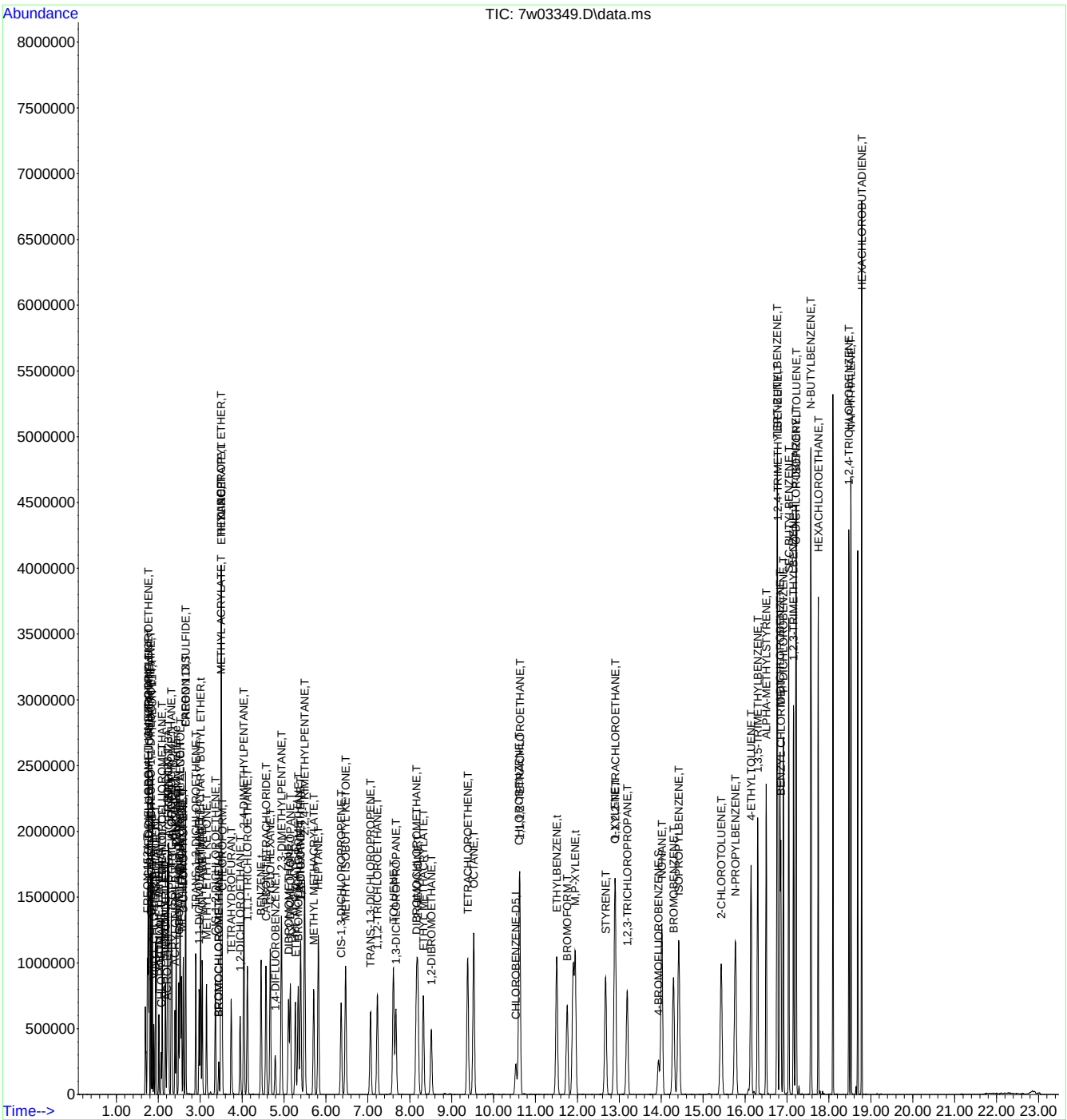
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03349.D
Acq On : 21 Sep 2023 10:49 pm
Operator : thomash
Sample : ic0138-40
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:14:30 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03350.D
Acq On : 21 Sep 2023 11:30 pm
Operator : thomash
Sample : ic0138-50
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:14:42 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.444	128	44584	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.791	114	225915	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.534	117	218337	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.444	128	44584	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.936	95	171641	10.28	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.737	65	223519	52.04	PPBV		98
4) CHLORODIFLUOROMETHANE	1.750	67	95509	52.27	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.762	116	440157	50.37	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.782	85	942628	50.88	PPBV		99
7) PROPYLENE	1.762	41	358707	48.46	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	712840	50.50	PPBV		98
9) FREON 114	1.859	85	758498	51.29	PPBV		100
10) CHLOROMETHANE	1.827	52	121939	49.47	PPBV		99
11) VINYL CHLORIDE	1.894	62	362271	50.95	PPBV		99
12) 1,3-BUTADIENE	1.933	54	317072	49.79	PPBV		97
13) N-BUTANE	1.952	43	645450	46.75	PPBV		98
14) BROMOMETHANE	2.013	94	264236	50.86	PPBV		100
15) CHLOROETHANE	2.068	64	184759	50.53	PPBV		97
16) DICHLOROFLUOROMETHANE	2.094	67	699277	50.20	PPBV		99
17) ACETONITRILE	2.164	41	398277	45.70	PPBV		100
18) ACROLEIN	2.206	56	190898	48.44	PPBV		100
19) FREON 123	2.222	83	644592	49.60	PPBV		100
20) FREON 123A	2.241	117	364100	48.99	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.309	101	780025	48.82	PPBV		100
22) ISOPROPYL ALCOHOL	2.325	45	842853	44.91	PPBV		98
23) ACETONE	2.248	58	189170	40.86	PPBV		92
24) PENTANE	2.428	42	421116	46.48	PPBV		98
25) IODOMETHANE	2.489	142	662436	48.62	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.515	96	252797	48.33	PPBV		97
27) CARBON DISULFIDE	2.653	76	670928	48.47	PPBV		98
28) ETHANOL	2.097	45	208413	41.17	PPBV		98
29) BROMOETHENE	2.174	106	256590	50.62	PPBV		99
30) ACRYLONITRILE	2.396	52	297548	47.71	PPBV		99
31) METHYLENE CHLORIDE	2.553	84	227433	47.14	PPBV		96
32) 3-CHLOROPROPENE	2.595	76	133842	48.24	PPBV		87
33) FREON 113	2.650	151	415277	49.13	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.894	96	298333	48.63	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.528	59	806929	46.38	PPBV		97
36) METHYL TERTIARY BUTYL ...	3.010	73	917929	48.51	PPBV		99
37) TETRAHYDROFURAN	3.740	72	155004	49.25	PPBV		92
38) HEXANE	3.499	57	626510	45.38	PPBV		97
39) VINYL ACETATE	3.049	86	87428	52.27	PPBV		81
40) 1,1-DICHLOROETHANE	2.975	63	649860	48.21	PPBV		100
41) METHYL ETHYL KETONE	3.151	72	163750	47.00	PPBV		90
42) CIS-1,2-DICHLOROETHENE	3.364	96	325630	49.30	PPBV		99
43) DIISOPROPYL ETHER	3.502	59	185112	46.30	PPBV		91
44) ETHYL ACETATE	3.508	61	115882	48.32	PPBV		81
45) METHYL ACRYLATE	3.492	55	833514	47.87	PPBV	#	100
46) CHLOROFORM	3.524	83	612330	46.70	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.042	57	780587	47.16	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.126	97	665243	48.81	PPBV		99
49) CARBON TETRACHLORIDE	4.569	117	718863	51.74	PPBV		100
50) 1,2-DICHLOROETHANE	3.952	62	509028	47.55	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03350.D
Acq On : 21 Sep 2023 11:30 pm
Operator : thomash
Sample : ic0138-50
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:14:42 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.454	78	958218	47.22	PPBV	98
53)	CYCLOHEXANE	4.672	84	418413	49.52	PPBV	98
54)	2,3-DIMETHYLPENTANE	4.939	71	228282	49.25	PPBV	97
55)	TRICHLOROETHENE	5.396	95	426898	49.11	PPBV	100
56)	1,2-DICHLOROPROPANE	5.151	63	431756	49.51	PPBV	100
57)	DIBROMOMETHANE	5.109	174	382684	48.41	PPBV	100
58)	ETHYL ACRYLATE	5.270	55	1079892	50.21	PPBV	99
59)	BROMODICHLOROMETHANE	5.338	83	720158	50.89	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.492	57	2056181	47.07	PPBV	100
61)	1,4-DIOXANE	5.399	88	224944	49.60	PPBV	99
62)	HEPTANE	5.820	43	816645	47.25	PPBV	98
63)	METHYL METHACRYLATE	5.708	69	393177	49.17	PPBV	94
64)	METHYL ISOBUTYL KETONE	6.473	58	430808	48.29	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	6.363	75	599966	52.41	PPBV	96
66)	TOLUENE	7.611	91	1224686	50.22	PPBV	100
67)	1,3-DICHLOROPROPANE	7.672	76	611099	50.99	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	7.064	75	571131	55.14	PPBV	96
69)	1,1,2-TRICHLOROETHANE	7.232	83	351205	51.23	PPBV	99
70)	2-HEXANONE	8.190	58	628855	46.38	PPBV	96
71)	ETHYL METHACRYLATE	8.325	69	673196	51.00	PPBV	96
72)	TETRACHLOROETHENE	9.383	164	471140	50.10	PPBV	99
73)	DIBROMOCHLOROMETHANE	8.161	129	748603	55.36	PPBV	100
74)	1,2-DIBROMOETHANE	8.518	107	635870	52.17	PPBV	99
75)	OCTANE	9.527	43	1204816	48.94	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.630	131	560241	50.81	PPBV	99
78)	CHLOROBENZENE	10.617	112	1009629	49.02	PPBV	99
79)	ETHYLBENZENE	11.511	91	1698666	49.96	PPBV	100
80)	M,P-XYLENE	11.945	91	2603665	97.89	PPBV	97
81)	O-XYLENE	12.894	91	1321815	48.50	PPBV	99
82)	STYRENE	12.678	104	997960	52.27	PPBV	100
83)	NONANE	14.016	43	1269937	47.38	PPBV	98
84)	BROMOFORM	11.759	173	740815	57.27	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.907	83	933275	49.40	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	13.193	75	760295	49.40	PPBV	100
88)	ISOPROPYLBENZENE	14.424	120	485801	48.61	PPBV	99
89)	BROMOBENZENE	14.296	77	959512	49.68	PPBV	100
90)	2-CHLOROTOLUENE	15.434	126	461550	50.76	PPBV	100
91)	N-PROPYLBENZENE	15.775	120	523132	52.09	PPBV	100
92)	4-ETHYLTOLUENE	16.144	105	1901608	52.83	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.305	105	1577057	50.98	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.505	118	807433	54.19	PPBV	100
95)	TERT-BUTYLBENZENE	16.765	134	366993	48.27	PPBV	100
96)	1,2,4-TRIMETHYLBENZENE	16.775	105	1558709	50.00	PPBV	99
97)	BENZYL CHLORIDE	16.858	91	1319305	66.61	PPBV	99
98)	M-DICHLOROBENZENE	16.833	146	1004436	51.21	PPBV	99
99)	P-DICHLOROBENZENE	16.916	146	1001959	51.55	PPBV	99
100)	O-DICHLOROBENZENE	17.212	146	940739	49.89	PPBV	99
101)	SEC-BUTYLBENZENE	17.045	134	454095	48.74	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	17.157	105	1569446	49.54	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.222	134	487932	48.52	PPBV	98
104)	N-BUTYLBENZENE	17.569	134	500262	54.41	PPBV	98
105)	HEXACHLOROETHANE	17.746	117	620252	54.44	PPBV	99
106)	HEXACHLOROBUTADIENE	18.781	225	857972	51.94	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.479	180	1020840	71.95	PPBV	99
108)	NAPHTHALENE	18.527	128	2622005	70.10	PPBV	100
110)	TVHC as equiv Pentane	2.428	TIC	1930487	44.68	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03350.D
Acq On : 21 Sep 2023 11:30 pm
Operator : thomash
Sample : ic0138-50
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:14:42 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

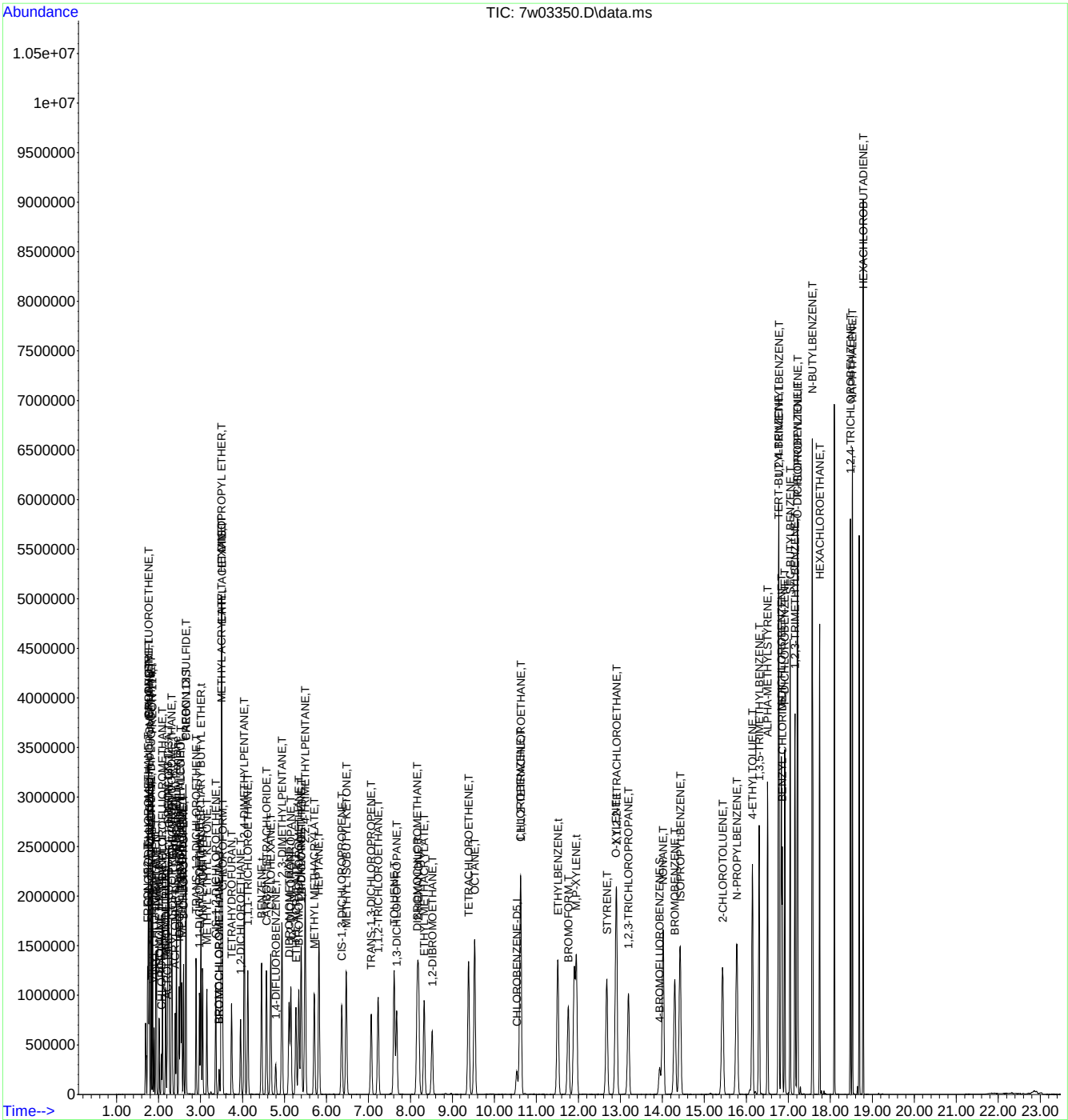
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03350.D
Acq On : 21 Sep 2023 11:30 pm
Operator : thomash
Sample : ic0138-50
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 15:14:42 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/23/23 14:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03357.D
Acq On : 22 Sep 2023 10:39 am
Operator : thomash
Sample : ic0138-0.04
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:18:12 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.438	128	51036	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.788	114	266544	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.524	117	238139	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.438	128	51036	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.929	95	176058	9.66	PPBV		0.00
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	1.779	85	832	0.04	PPBV	#	46
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	642	0.04	PPBV	#	53
9) FREON 114	1.856	85	661	0.04	PPBV	#	25
13) N-BUTANE	1.946	43	739	0.05	PPBV	#	74
16) DICHLOROFLUOROMETHANE	2.090	67	626	0.04	PPBV	#	50
19) FREON 123	2.222	83	622	0.04	PPBV	#	84
21) TRICHLOROFLUOROMETHANE	2.309	101	710	0.04	PPBV	#	25
25) IODOMETHANE	2.486	142	693	0.04	PPBV	#	29
27) CARBON DISULFIDE	2.653	76	698	0.04	PPBV	#	62
35) TERTIARY BUTYL ALCOHOL	2.560	59	884	0.04	PPBV	#	56
36) METHYL TERTIARY BUTYL ...	3.026	73	846	0.04	PPBV	#	78
38) HEXANE	3.499	57	713	0.05	PPBV	#	67
40) 1,1-DICHLOROETHANE	2.971	63	627	0.04	PPBV	#	52
45) METHYL ACRYLATE	3.499	55	739	0.04	PPBV	#	67
46) CHLOROFORM	3.512	83	573	0.04	PPBV	#	19
47) 2,4-DIMETHYLPENTANE	4.045	57	819	0.04	PPBV	#	31
48) 1,1,1-TRICHLOROETHANE	4.119	97	611	0.04	PPBV	#	21
49) CARBON TETRACHLORIDE	4.566	117	568	0.04	PPBV	#	76
50) 1,2-DICHLOROETHANE	3.949	62	528	0.04	PPBV	#	51
51) BENZENE	4.454	78	1051	0.05	PPBV	#	51
55) TRICHLOROETHENE	5.380	95	364m	0.04	PPBV		
58) ETHYL ACRYLATE	5.290	55	1006	0.04	PPBV	#	73
59) BROMODICHLOROMETHANE	5.335	83	657	0.04	PPBV	#	18
60) 2,2,4-TRIMETHYLPENTANE	5.479	57	2117	0.04	PPBV	#	97
62) HEPTANE	5.807	43	765	0.04	PPBV	#	31
66) TOLUENE	7.598	91	1201	0.04	PPBV		99
67) 1,3-DICHLOROPROPANE	7.669	76	566	0.04	PPBV	#	50
70) 2-HEXANONE	8.245	58	757	0.05	PPBV	#	95
71) ETHYL METHACRYLATE	8.344	69	651	0.04	PPBV	#	86
72) TETRACHLOROETHENE	9.370	164	489m	0.04	PPBV		
73) DIBROMOCHLOROMETHANE	8.138	129	614	0.04	PPBV	#	20
74) 1,2-DIBROMOETHANE	8.499	107	521	0.04	PPBV	#	93
75) OCTANE	9.511	43	1193	0.04	PPBV	#	40
78) CHLOROBENZENE	10.608	112	922	0.04	PPBV	#	28
79) ETHYLBENZENE	11.498	91	1449	0.04	PPBV	#	45
80) M,P-XYLENE	11.910	91	2385	0.08	PPBV	#	58
81) O-XYLENE	12.884	91	1221	0.04	PPBV		85
82) STYRENE	12.656	104	796	0.04	PPBV	#	30
83) NONANE	13.994	43	1153	0.04	PPBV	#	65
85) 1,1,2,2-TETRACHLOROETHANE	12.894	83	838	0.04	PPBV	#	94
86) 1,2,3-TRICHLOROPROPANE	13.170	75	697	0.04	PPBV	#	99
89) BROMOBENZENE	14.280	77	899	0.04	PPBV	#	21
92) 4-ETHYLTOLUENE	16.138	105	1463	0.04	PPBV	#	49
93) 1,3,5-TRIMETHYLBENZENE	16.289	105	1241	0.04	PPBV	#	93
94) ALPHA-METHYLSTYRENE	16.498	118	610	0.04	PPBV	#	66
96) 1,2,4-TRIMETHYLBENZENE	16.768	105	1319	0.04	PPBV		94
97) BENZYL CHLORIDE	16.849	91	659	0.03	PPBV	#	61
98) M-DICHLOROBENZENE	16.823	146	832	0.04	PPBV	#	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03357.D
Acq On : 22 Sep 2023 10:39 am
Operator : thomash
Sample : ic0138-0.04
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:18:12 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

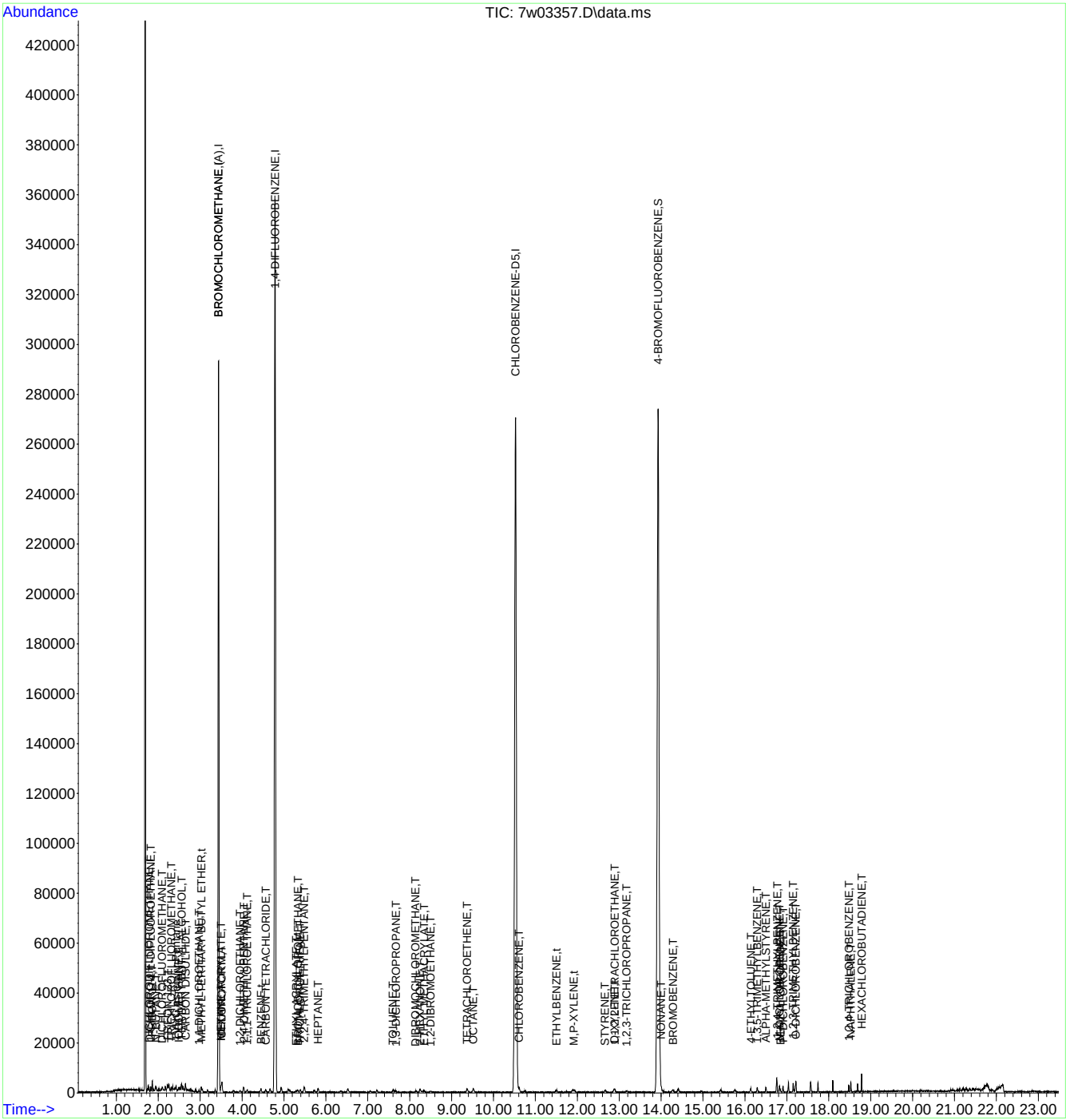
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
99)	P-DICHLOROBENZENE	16.913	146	838	0.04	PPBV	#	73
100)	O-DICHLOROBENZENE	17.206	146	893	0.04	PPBV	#	70
102)	1,2,3-TRIMETHYLBENZENE	17.151	105	1449	0.04	PPBV	#	88
106)	HEXACHLOROBUTADIENE	18.784	225	793	0.04	PPBV	#	18
107)	1,2,4-TRICHLOROBENZENE	18.479	180	620	0.04	PPBV	#	82
108)	NAPHTHALENE	18.527	128	1820	0.04	PPBV	#	69
110)	TVHC as equiv Pentane	2.425	TIC	2343	0.05	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03357.D
Acq On : 22 Sep 2023 10:39 am
Operator : thomash
Sample : ic0138-0.04
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:18:12 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



Manual Integration Approval Summary

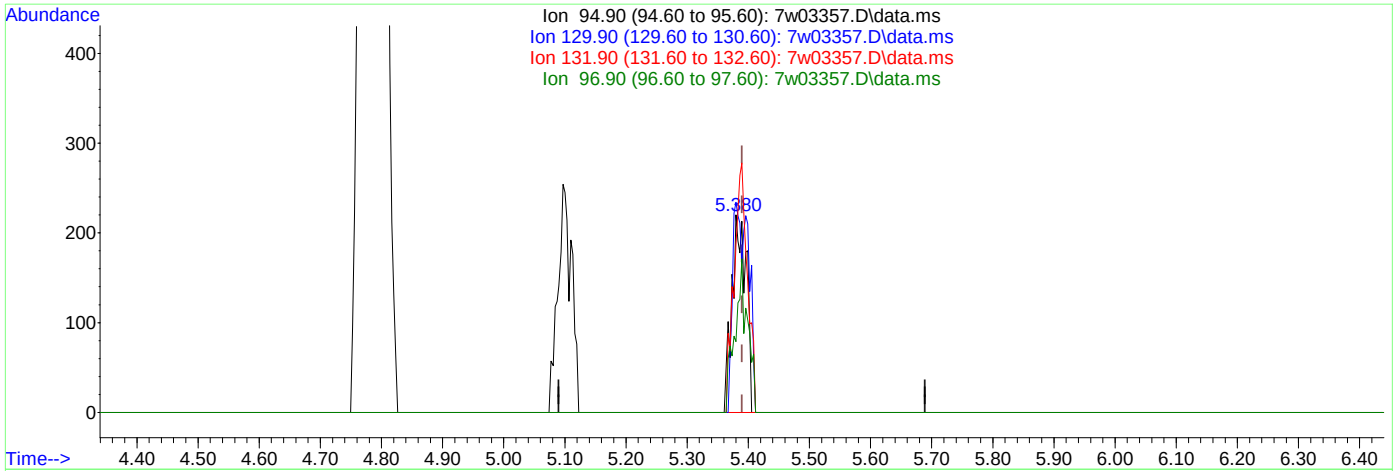
Sample Number: V7W138-IC0138 **Method:** TO-15
Lab FileID: 7W03357.D **Analyst approved:** 09/22/23 15:29 William Cruser
Injection Time: 09/22/23 10:39 **Supervisor approved:** 09/23/23 14:33 Kanya Veerawat

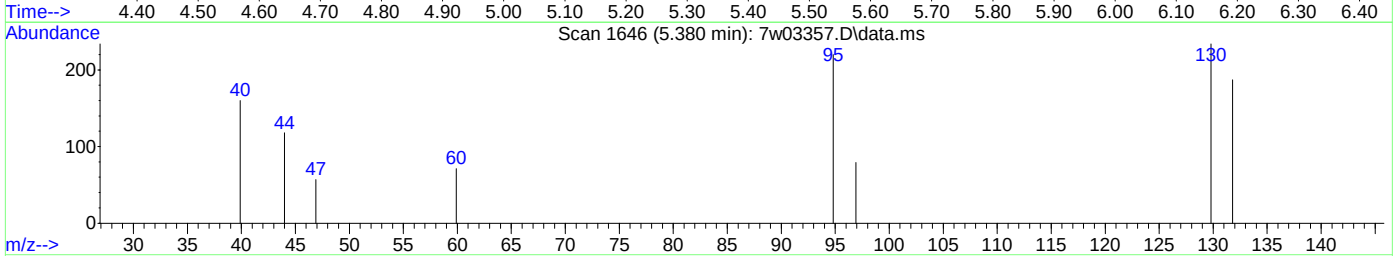
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichloroethylene	79-01-6		5.38	Missed peak
Tetrachloroethylene	127-18-4		9.37	Missed peak

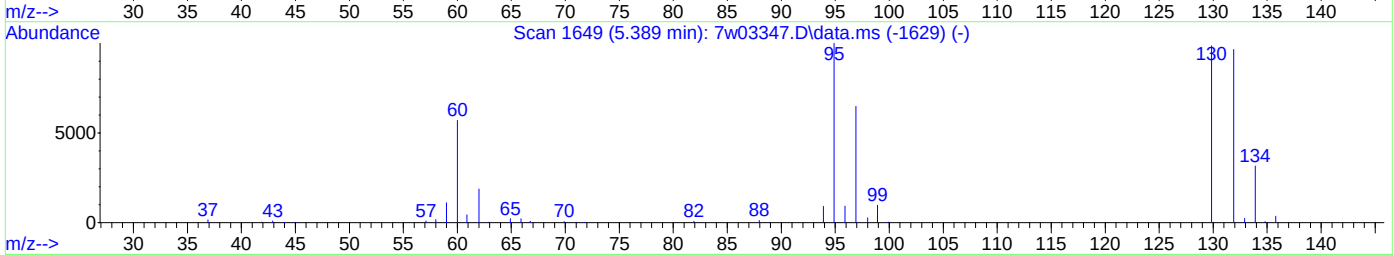
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03357.D
Acq On : 22 Sep 2023 10:39 am
Operator : thomash
Sample : ic0138-0.04
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 11:33:23 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 08:43:23 2023
Response via : Initial Calibration







TIC: 7w03357.D\data.ms

(55) TRICHLOROETHENE (T)

5.380min (-0.010) 0.04PPBV m

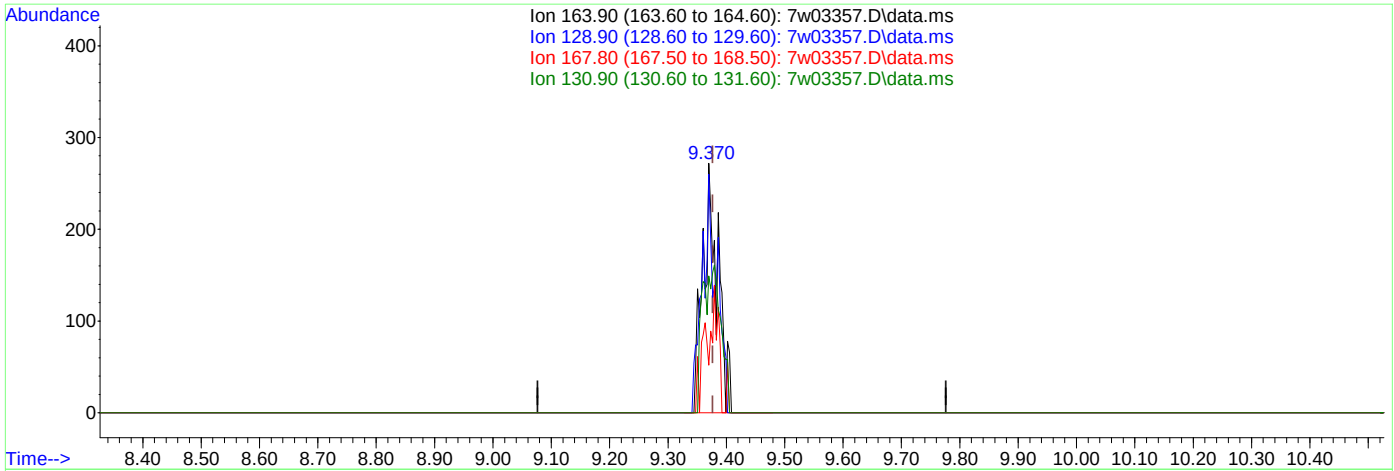
response 364

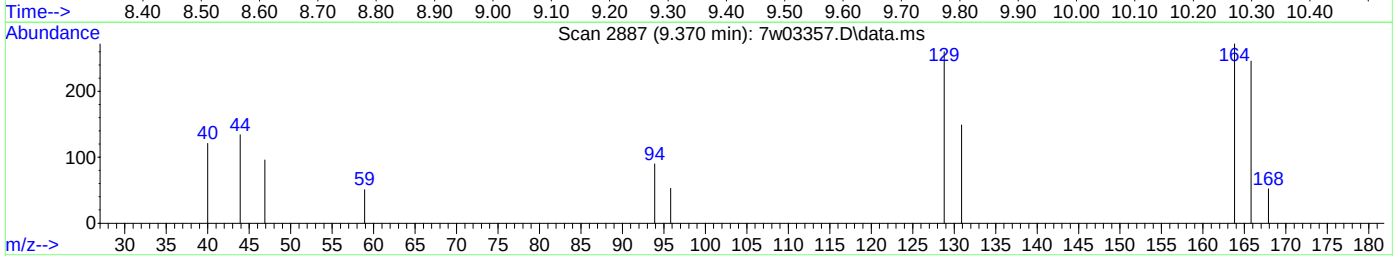
Ion	Exp%	Act%
94.90	100	100
129.90	98.80	0.00#
131.90	96.60	0.00#
96.90	64.00	0.00#

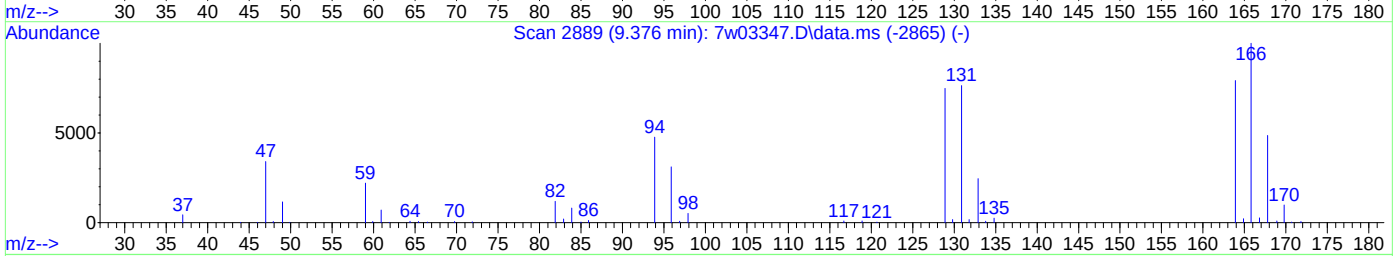
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03357.D
Acq On : 22 Sep 2023 10:39 am
Operator : thomash
Sample : ic0138-0.04
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 11:33:23 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 08:43:23 2023
Response via : Initial Calibration







TIC: 7w03357.D\data.ms

(72) TETRACHLOROETHENE (T)

9.370min (-0.006) 0.05PPBV m

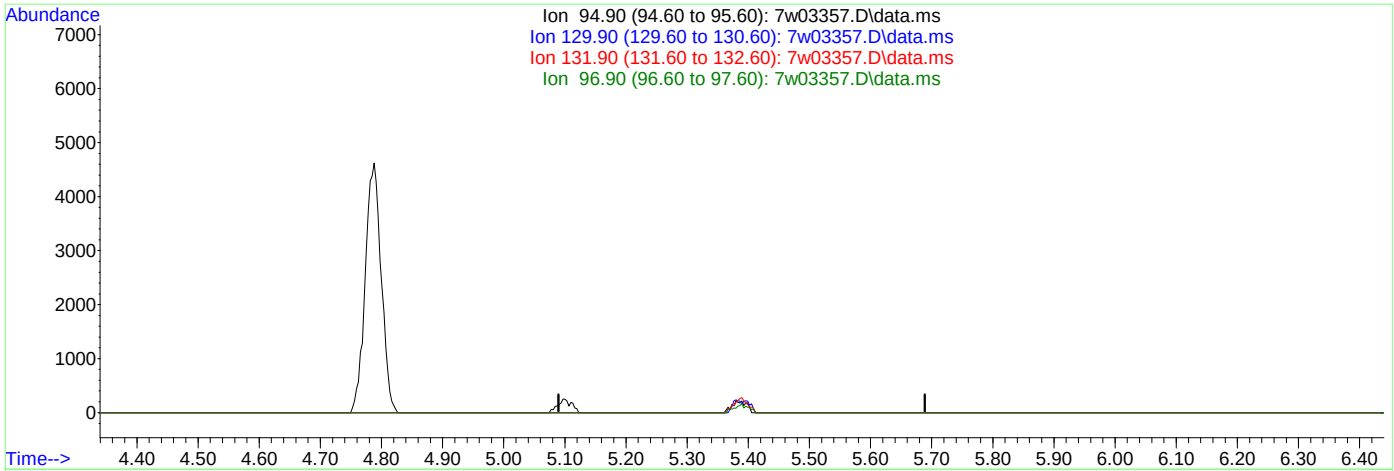
response 489

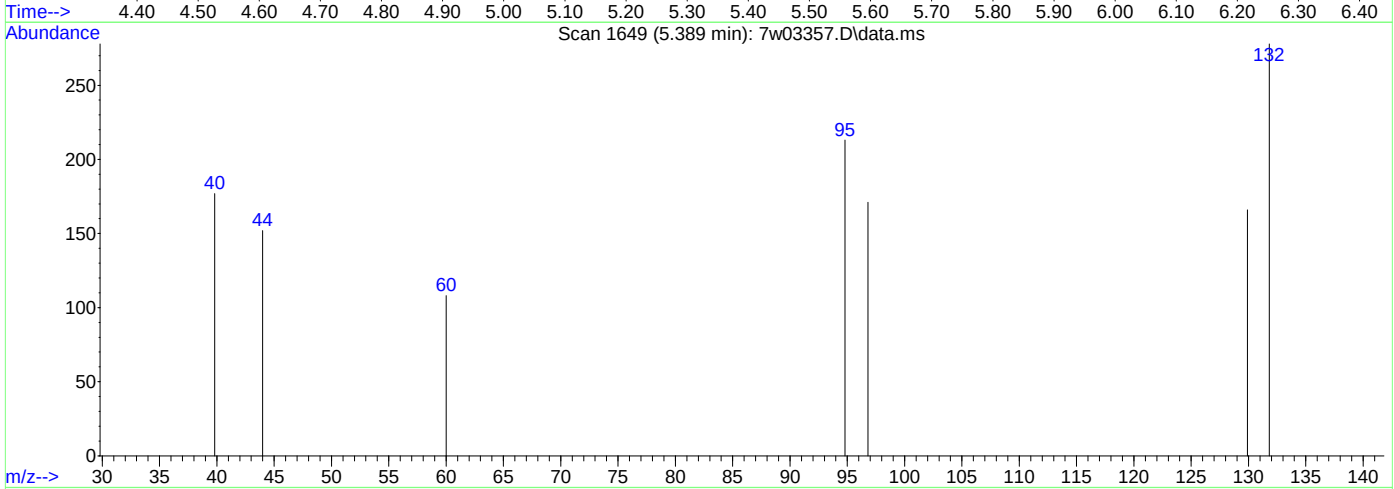
Ion	Exp%	Act%
163.90	100	100
128.90	96.30	0.00#
167.80	61.30	0.00#
130.90	95.60	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03357.D
Acq On : 22 Sep 2023 10:39 am
Operator : thomash
Sample : ic0138-0.04
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:00:10 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03357.D\data.ms

(55) TRICHLOROETHENE (T)

5.389min (-5.389) 0.00PPBV

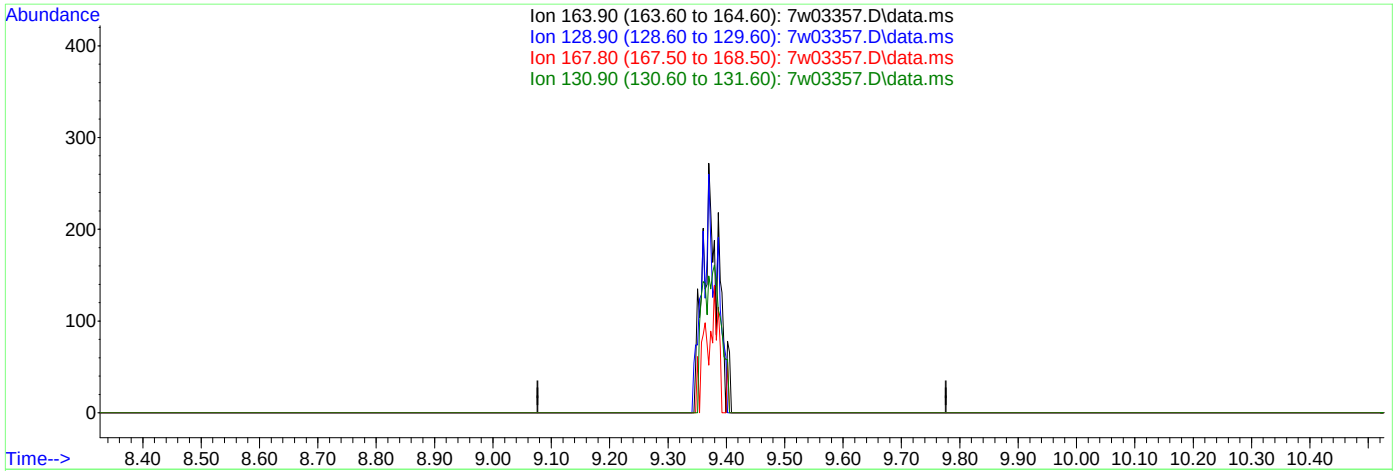
response 0

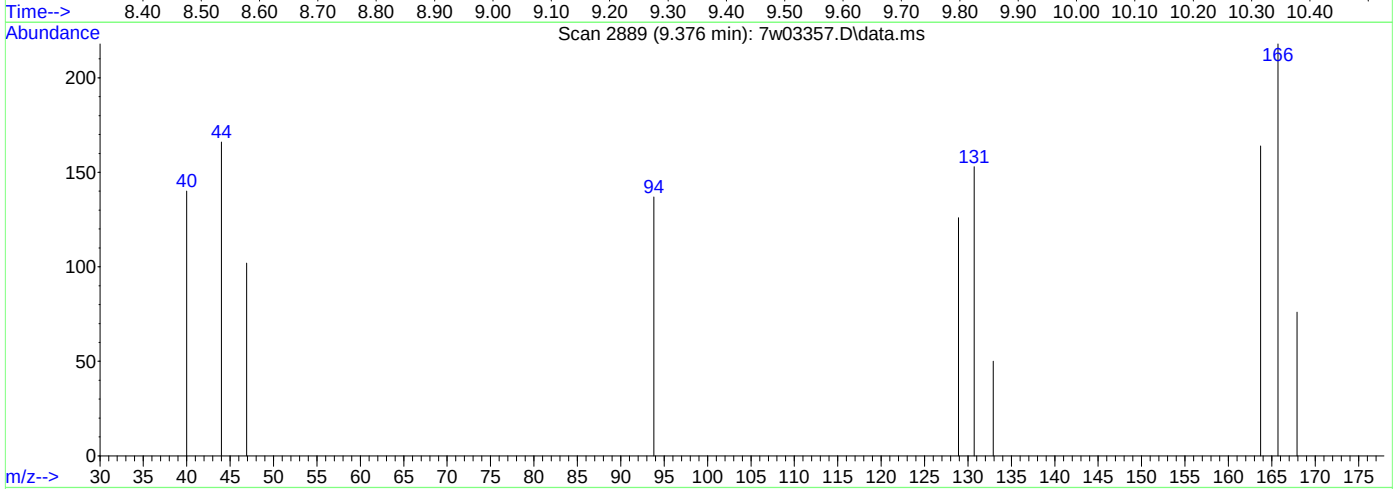
Ion	Exp%	Act%
94.90	100	0.00
129.90	98.80	0.00#
131.90	96.60	0.00#
96.90	64.00	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03357.D
Acq On : 22 Sep 2023 10:39 am
Operator : thomash
Sample : ic0138-0.04
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:00:10 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03357.D\data.ms

(72) TETRACHLOROETHENE (T)

9.376min (-9.376) 0.00PPBV

response 0

Ion	Exp%	Act%
163.90	100	0.00
128.90	96.30	0.00#
167.80	61.30	0.00#
130.90	95.60	0.00#

7W03358.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 09/23/23 14:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:00 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.441	128	50830	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.788	114	266189	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.524	117	239149	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.441	128	50829	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.929	95	174323	9.53	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.737	65	432m	0.09	PPBV		
4) CHLORODIFLUOROMETHANE	1.750	67	191m	0.09	PPBV		
5) CHLOROTRIFLUOROETHENE	1.763	116	996	0.10	PPBV	#	89
6) DICHLORODIFLUOROMETHANE	1.782	85	2055	0.10	PPBV	#	79
7) PROPYLENE	1.763	41	908	0.11	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.824	65	1582	0.10	PPBV	#	86
9) FREON 114	1.859	85	1667	0.10	PPBV		96
10) CHLOROMETHANE	1.830	52	272m	0.10	PPBV		
11) VINYL CHLORIDE	1.891	62	794	0.10	PPBV	#	52
12) 1,3-BUTADIENE	1.936	54	744	0.10	PPBV		91
13) N-BUTANE	1.952	43	1579	0.10	PPBV	#	74
14) BROMOMETHANE	2.013	94	576	0.10	PPBV	#	85
15) CHLOROETHANE	2.068	64	437m	0.10	PPBV		
16) DICHLOROFLUOROMETHANE	2.094	67	1627	0.10	PPBV	#	88
17) ACETONITRILE	2.171	41	1084	0.11	PPBV	#	75
18) ACROLEIN	2.213	56	470m	0.10	PPBV		
19) FREON 123	2.219	83	1462	0.10	PPBV	#	86
20) FREON 123A	2.242	117	887	0.10	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.309	101	1941	0.11	PPBV	#	95
22) ISOPROPYL ALCOHOL	2.341	45	2328	0.11	PPBV	#	90
23) ACETONE	2.261	58	758	0.14	PPBV		90
24) PENTANE	2.425	42	1085	0.11	PPBV	#	88
25) IODOMETHANE	2.489	142	1589	0.10	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.515	96	621	0.10	PPBV	#	72
27) CARBON DISULFIDE	2.650	76	1572	0.10	PPBV	#	72
29) BROMOETHENE	2.171	106	580	0.10	PPBV	#	90
30) ACRYLONITRILE	2.399	52	709	0.10	PPBV	#	77
31) METHYLENE CHLORIDE	2.554	84	640	0.12	PPBV	#	81
32) 3-CHLOROPROPENE	2.592	76	348m	0.11	PPBV		
33) FREON 113	2.650	151	981	0.10	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.891	96	679	0.10	PPBV	#	79
35) TERTIARY BUTYL ALCOHOL	2.557	59	2006	0.10	PPBV	#	82
36) METHYL TERTIARY BUTYL ...	3.026	73	2249	0.10	PPBV	#	78
37) TETRAHYDROFURAN	3.782	72	322m	0.09	PPBV		
38) HEXANE	3.496	57	1612	0.10	PPBV		97
39) VINYL ACETATE	3.055	86	182m	0.10	PPBV		
40) 1,1-DICHLOROETHANE	2.978	63	1572	0.10	PPBV	#	52
41) METHYL ETHYL KETONE	3.177	72	438m	0.11	PPBV		
42) CIS-1,2-DICHLOROETHENE	3.364	96	766	0.10	PPBV	#	68
43) DIISOPROPYL ETHER	3.518	59	437m	0.10	PPBV		
44) ETHYL ACETATE	3.521	61	237m	0.09	PPBV		
45) METHYL ACRYLATE	3.505	55	1960	0.10	PPBV	#	67
46) CHLOROFORM	3.518	83	1543	0.10	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.039	57	1987	0.11	PPBV	#	88
48) 1,1,1-TRICHLOROETHANE	4.129	97	1647	0.11	PPBV		94
49) CARBON TETRACHLORIDE	4.566	117	1529	0.10	PPBV	#	86
50) 1,2-DICHLOROETHANE	3.955	62	1194	0.10	PPBV	#	51
51) BENZENE	4.451	78	2354	0.10	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:00 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

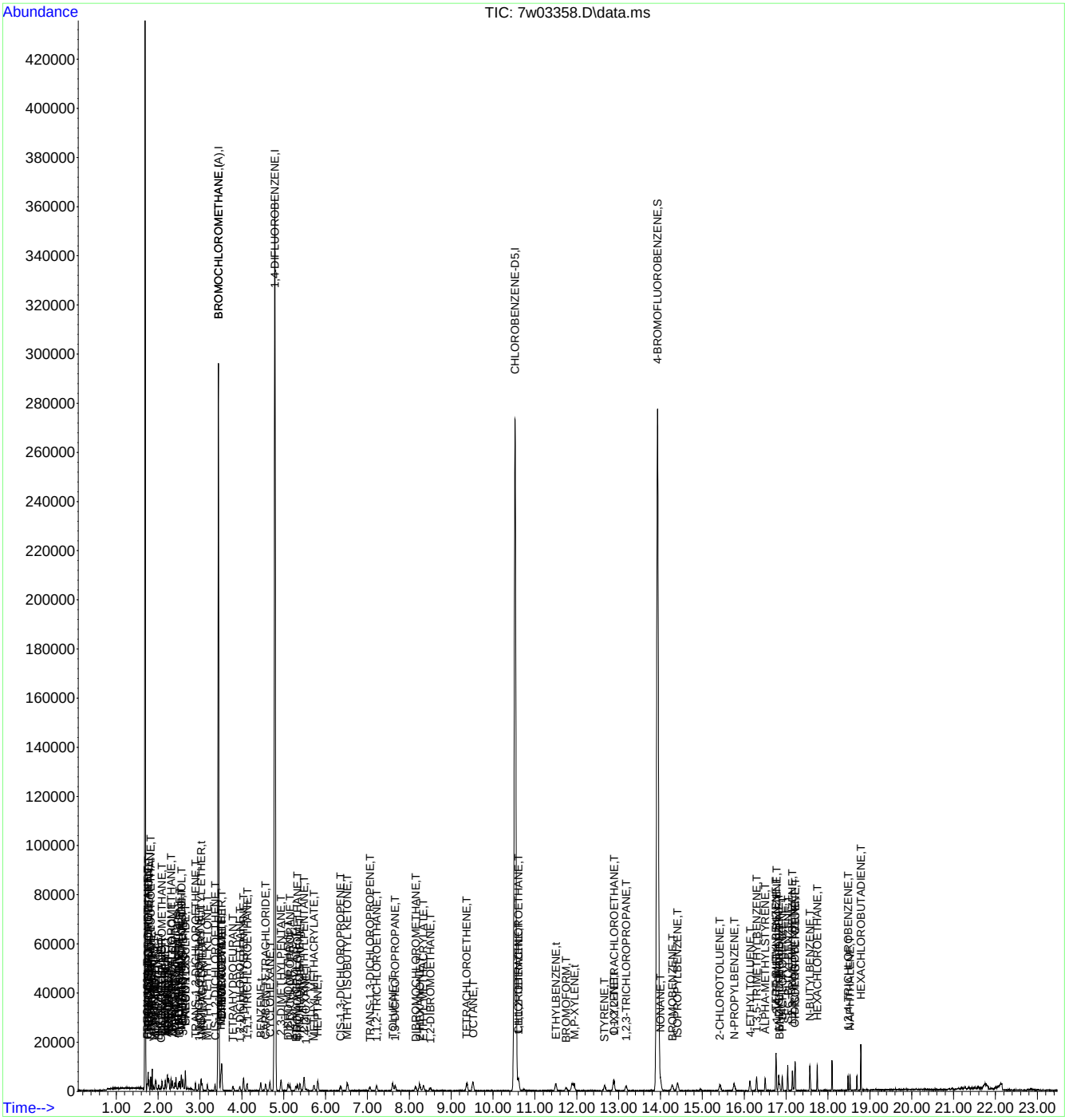
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) CYCLOHEXANE	4.669	84	1051	0.11	PPBV	#	87
54) 2,3-DIMETHYLPENTANE	4.933	71	526	0.10	PPBV	#	94
55) TRICHLOROETHENE	5.380	95	1140	0.11	PPBV		91
56) 1,2-DICHLOROPROPANE	5.148	63	1032	0.10	PPBV	#	42
57) DIBROMOMETHANE	5.103	174	997	0.11	PPBV		92
58) ETHYL ACRYLATE	5.293	55	2380	0.09	PPBV	#	73
59) BROMODICHLOROMETHANE	5.328	83	1626	0.10	PPBV		97
60) 2,2,4-TRIMETHYLPENTANE	5.486	57	5371	0.10	PPBV	#	97
61) 1,4-DIOXANE	5.528	88	457m	0.09	PPBV		
62) HEPTANE	5.811	43	2117	0.10	PPBV		95
63) METHYL METHACRYLATE	5.724	69	1025	0.11	PPBV	#	79
64) METHYL ISOBUTYL KETONE	6.512	58	1039	0.10	PPBV	#	78
65) CIS-1,3-DICHLOROPROPENE	6.361	75	1329	0.10	PPBV	#	77
66) TOLUENE	7.605	91	2871	0.10	PPBV		97
67) 1,3-DICHLOROPROPANE	7.659	76	1356	0.10	PPBV	#	50
68) TRANS-1,3-DICHLOROPROPENE	7.061	75	1100	0.09	PPBV	#	74
69) 1,1,2-TRICHLOROETHANE	7.222	83	780	0.10	PPBV	#	69
70) 2-HEXANONE	8.251	58	1553	0.10	PPBV	#	97
71) ETHYL METHACRYLATE	8.335	69	1487	0.10	PPBV	#	89
72) TETRACHLOROETHENE	9.367	164	1128	0.10	PPBV	#	77
73) DIBROMOCHLOROMETHANE	8.155	129	1467	0.09	PPBV	#	88
74) 1,2-DIBROMOETHANE	8.505	107	1411	0.10	PPBV	#	99
75) OCTANE	9.521	43	2833	0.10	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.611	131	1196	0.10	PPBV	#	37
78) CHLOROBENZENE	10.601	112	2329	0.10	PPBV		99
79) ETHYLBENZENE	11.499	91	3722	0.10	PPBV		98
80) M,P-XYLENE	11.942	91	5721	0.20	PPBV		96
81) O-XYLENE	12.884	91	3014	0.10	PPBV	#	85
82) STYRENE	12.653	104	1875	0.09	PPBV		97
83) NONANE	13.997	43	2946	0.10	PPBV		89
84) BROMOFORM	11.740	173	1164	0.08	PPBV	#	92
85) 1,1,2,2-TETRACHLOROETHANE	12.888	83	2019	0.10	PPBV	#	94
86) 1,2,3-TRICHLOROPROPANE	13.177	75	1628	0.10	PPBV	#	99
88) ISOPROPYLBENZENE	14.405	120	1143	0.10	PPBV		88
89) BROMOBENZENE	14.283	77	2095	0.10	PPBV		97
90) 2-CHLOROTOLUENE	15.415	126	966m	0.10	PPBV		
91) N-PROPYLBENZENE	15.762	120	936	0.09	PPBV	#	62
92) 4-ETHYLTOLUENE	16.138	105	3526	0.09	PPBV	#	99
93) 1,3,5-TRIMETHYLBENZENE	16.296	105	3236	0.10	PPBV	#	93
94) ALPHA-METHYLSTYRENE	16.498	118	1375	0.08	PPBV		97
95) TERT-BUTYLBENZENE	16.756	134	807	0.10	PPBV		93
96) 1,2,4-TRIMETHYLBENZENE	16.768	105	3337	0.10	PPBV		96
97) BENZYL CHLORIDE	16.842	91	1546	0.07	PPBV	#	61
98) M-DICHLOROBENZENE	16.823	146	2059	0.10	PPBV		96
99) P-DICHLOROBENZENE	16.907	146	1926	0.09	PPBV		98
100) O-DICHLOROBENZENE	17.203	146	1794	0.09	PPBV		97
101) SEC-BUTYLBENZENE	17.042	134	946	0.09	PPBV		87
102) 1,2,3-TRIMETHYLBENZENE	17.151	105	3315	0.10	PPBV	#	93
103) P-ISOPROPYLTOLUENE	17.219	134	1024	0.09	PPBV		92
104) N-BUTYLBENZENE	17.566	134	807	0.08	PPBV		92
105) HEXACHLOROETHANE	17.743	117	1121	0.09	PPBV		96
106) HEXACHLOROBUTADIENE	18.784	225	1863	0.10	PPBV		97
107) 1,2,4-TRICHLOROBENZENE	18.479	180	1090	0.07	PPBV	#	84
108) NAPHTHALENE	18.527	128	2785	0.07	PPBV	#	69
110) TVHC as equiv Pentane	2.425	TIC	5656	0.11	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:00 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



Manual Integration Approval Summary

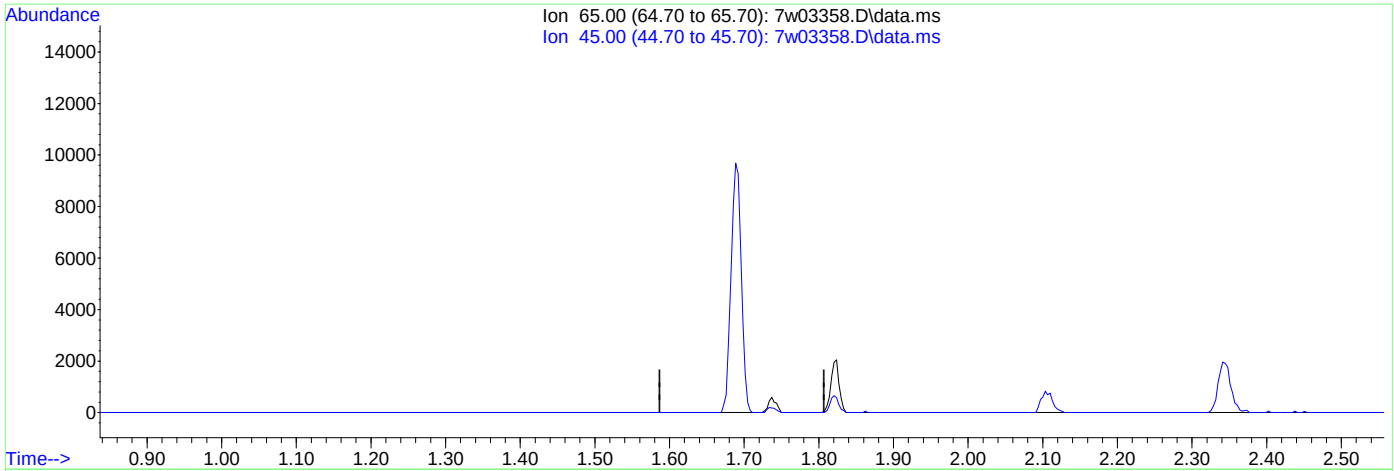
Sample Number: V7W138-IC0138 **Method:** TO-15
Lab FileID: 7W03358.D **Analyst approved:** 09/22/23 15:29 William Cruser
Injection Time: 09/22/23 11:13 **Supervisor approved:** 09/23/23 14:33 Kanya Veerawat

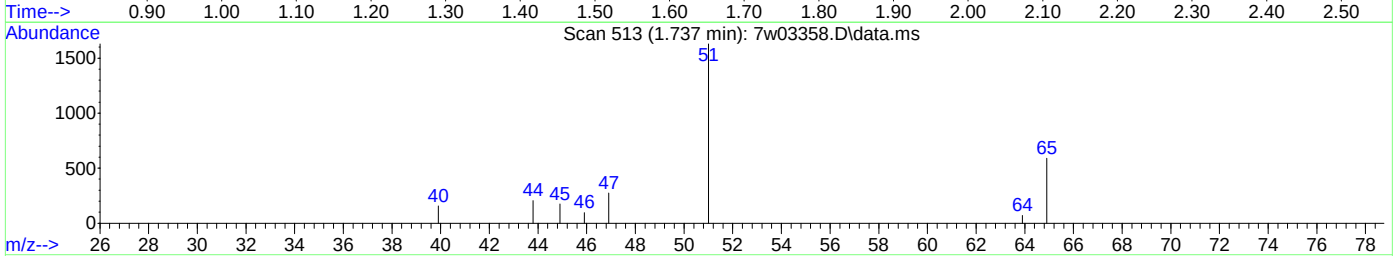
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.74	Missed peak
Chlorodifluoromethane	75-45-6		1.75	Missed peak
Chloromethane	74-87-3		1.83	Missed peak
Chloroethane	75-00-3		2.07	Missed peak
Acrolein	107-02-8		2.21	Missed peak
3-Chloropropene	107-05-1		2.59	Missed peak
Vinyl Acetate	108-05-4		3.06	Missed peak
Methyl ethyl ketone	78-93-3		3.18	Missed peak
Di-Isopropyl ether	108-20-3		3.52	Missed peak
Ethyl Acetate	141-78-6		3.52	Missed peak
Tetrahydrofuran	109-99-9		3.78	Missed peak
1,4-Dioxane	123-91-1		5.53	Missed peak
2-Chlorotoluene	95-49-8		15.41	Split peak

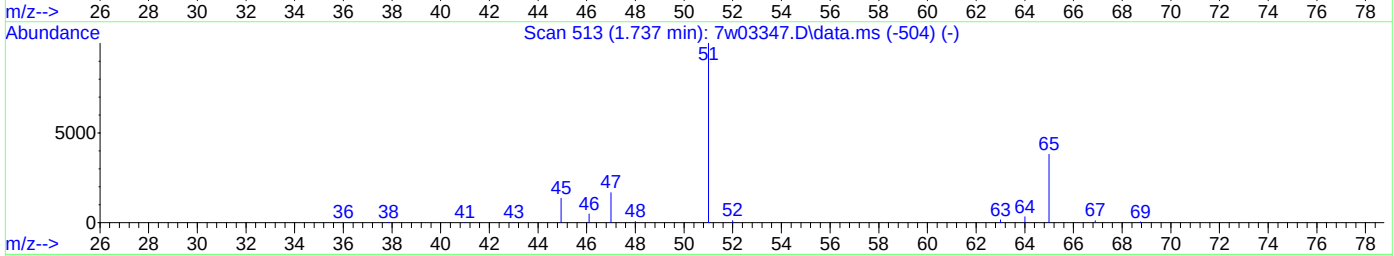
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(3) FREON 152A (T)

1.737min (-1.737) 0.00PPBV

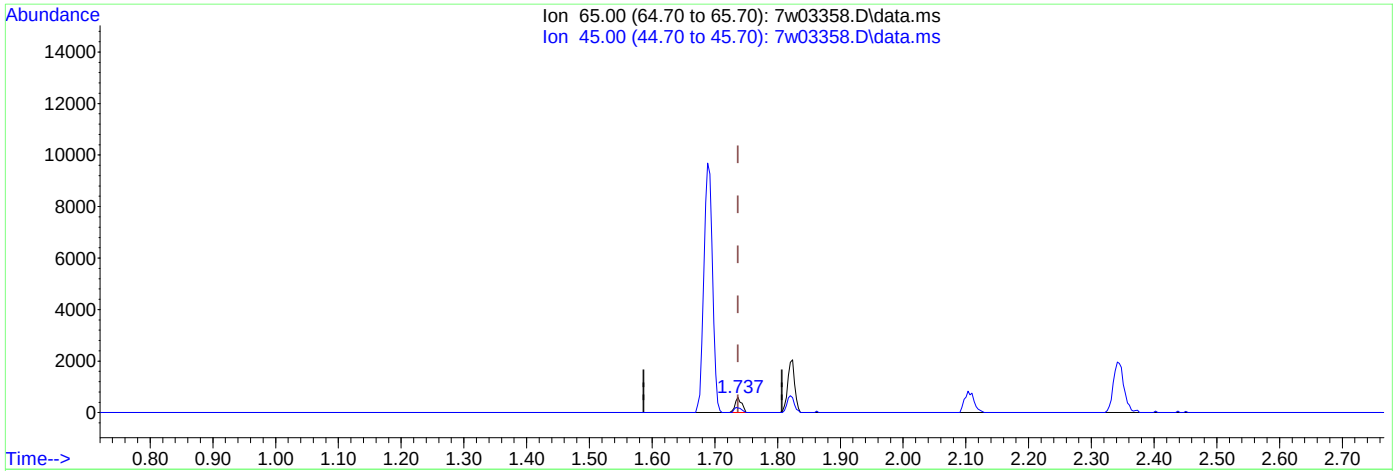
response 0

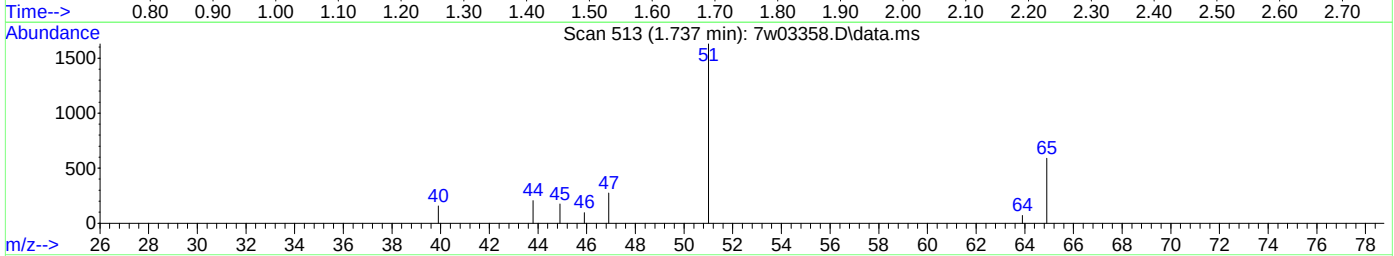
Ion	Exp%	Act%
65.00	100	0.00
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

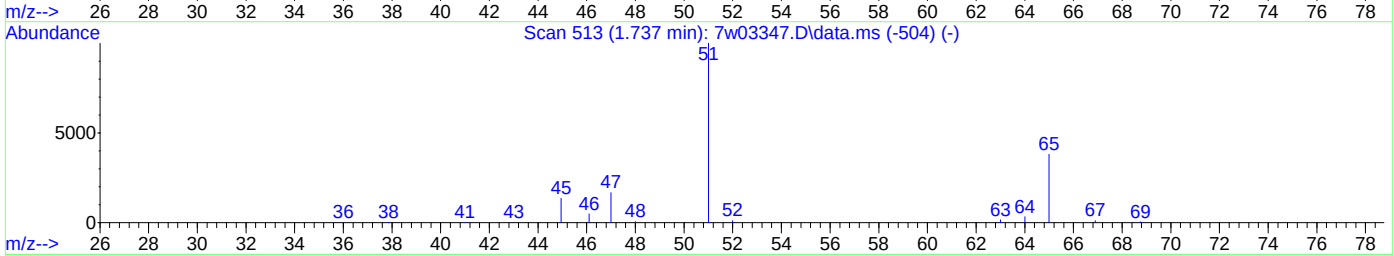
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(3) FREON 152A (T)

1.737min (+0.000) 0.09PPBV m

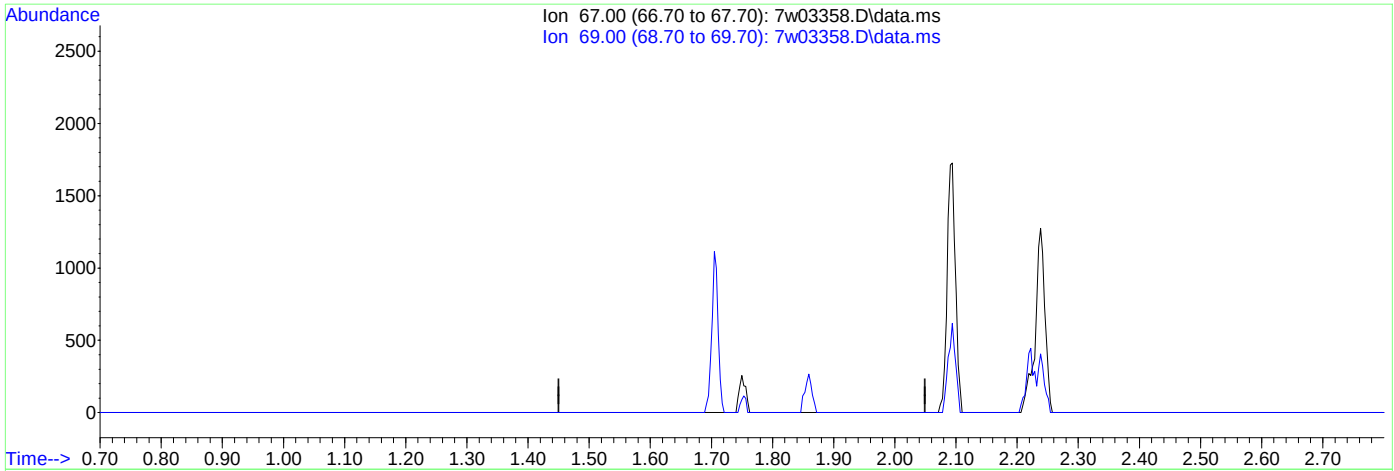
response 432

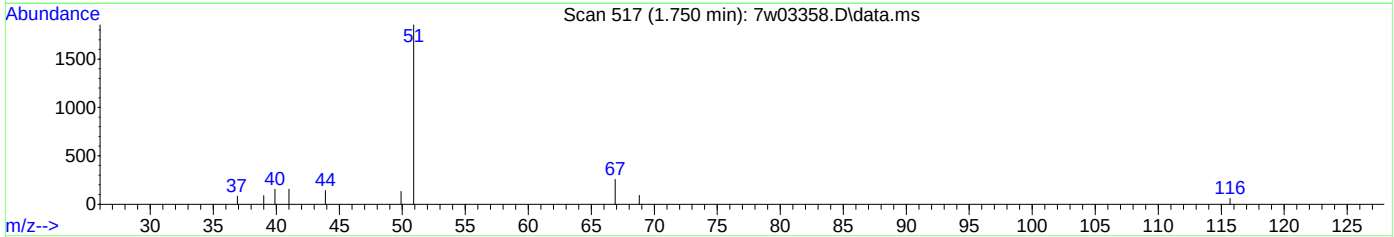
Ion	Exp%	Act%
65.00	100	100
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

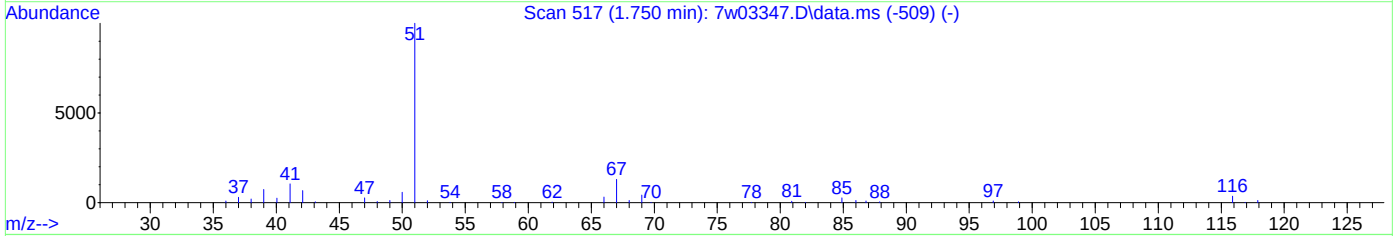
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(4) CHLORODIFLUOROMETHANE (T)

1.750min (-1.750) 0.00PPBV

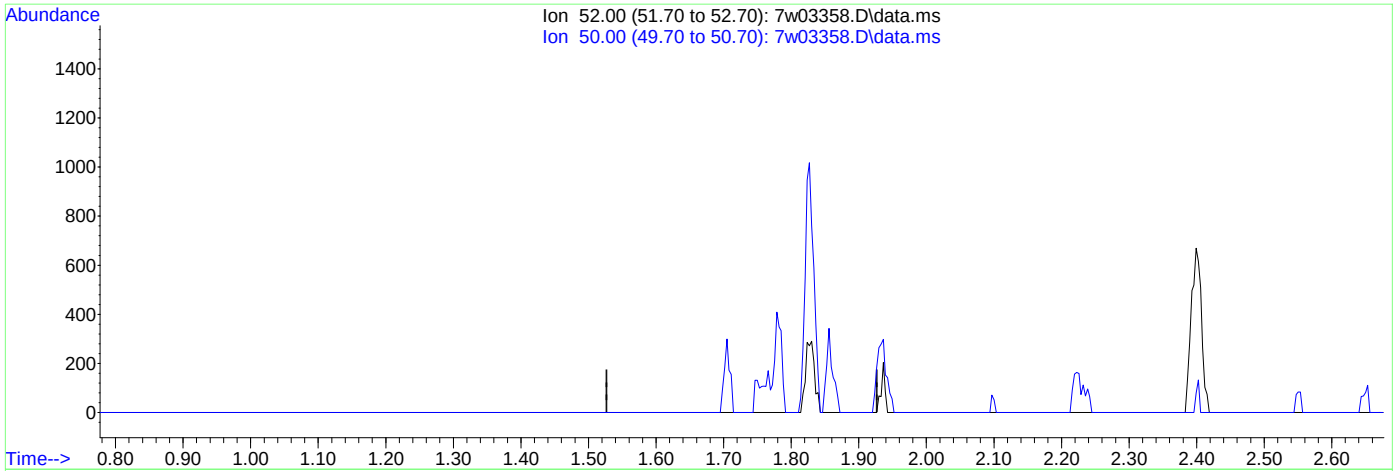
response 0

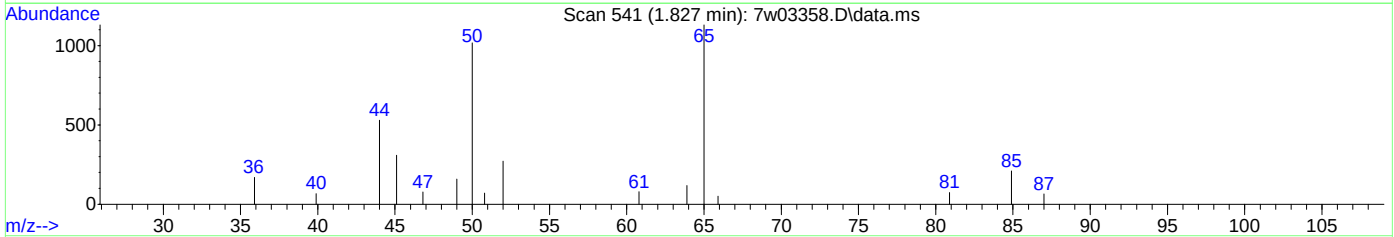
Ion	Exp%	Act%
67.00	100	0.00
69.00	33.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

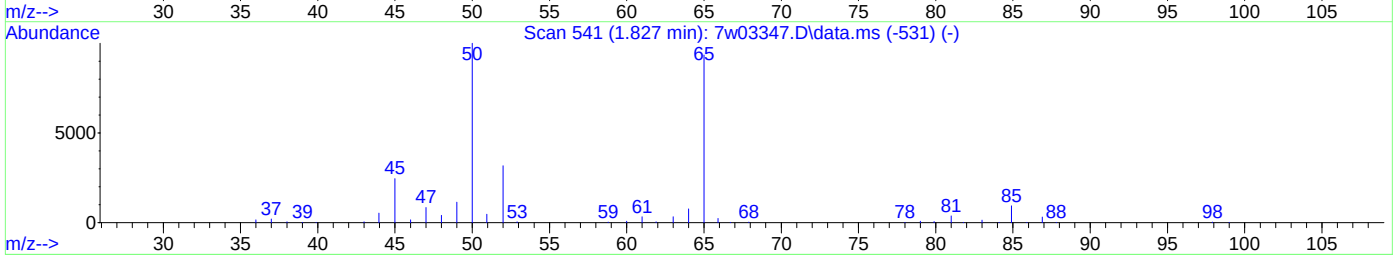
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(10) CHLOROMETHANE (T)

1.827min (-1.827) 0.00PPBV

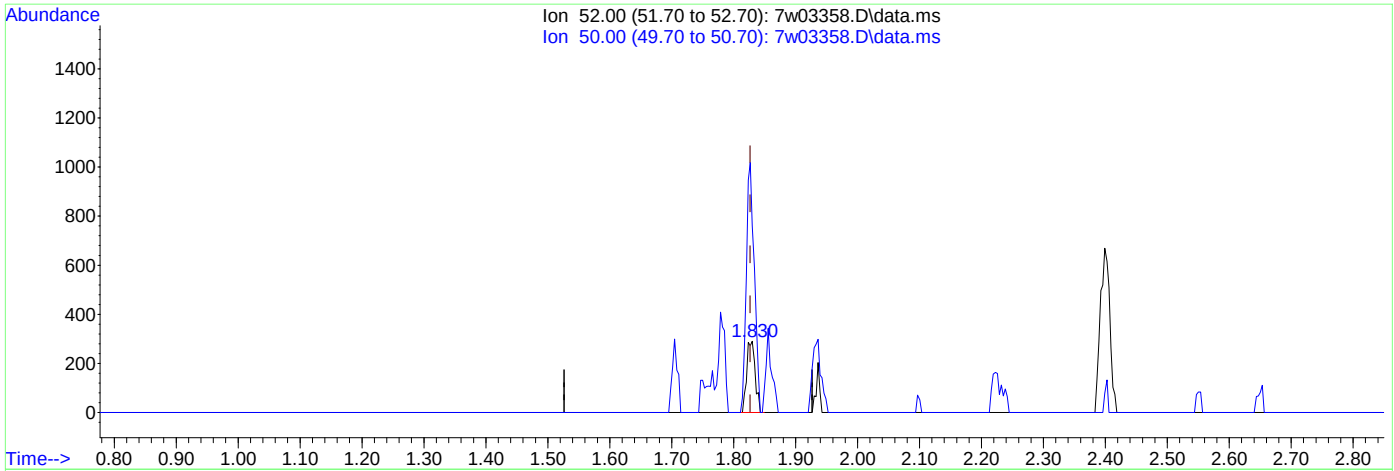
response 0

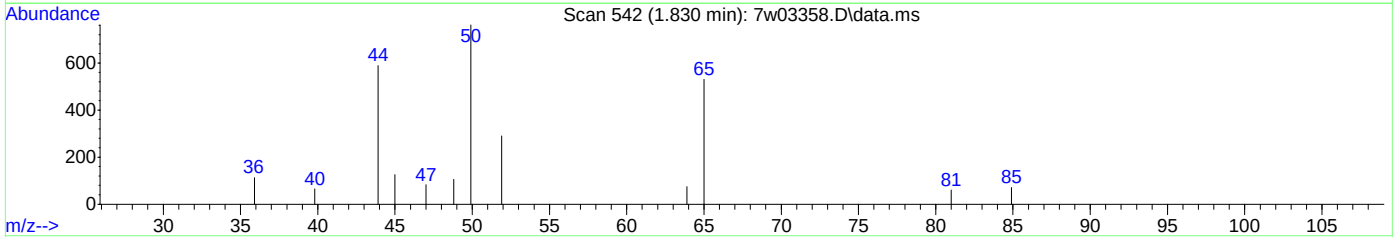
Ion	Exp%	Act%
52.00	100	0.00
50.00	322.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

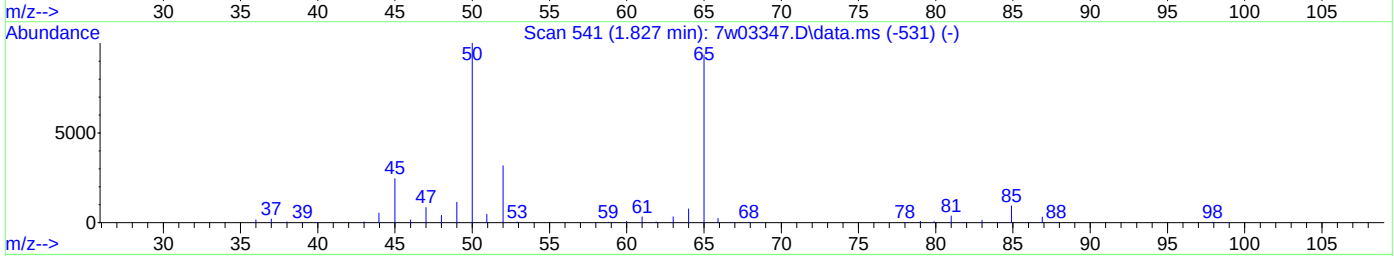
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(10) CHLOROMETHANE (T)

1.830min (+0.003) 0.10PPBV m

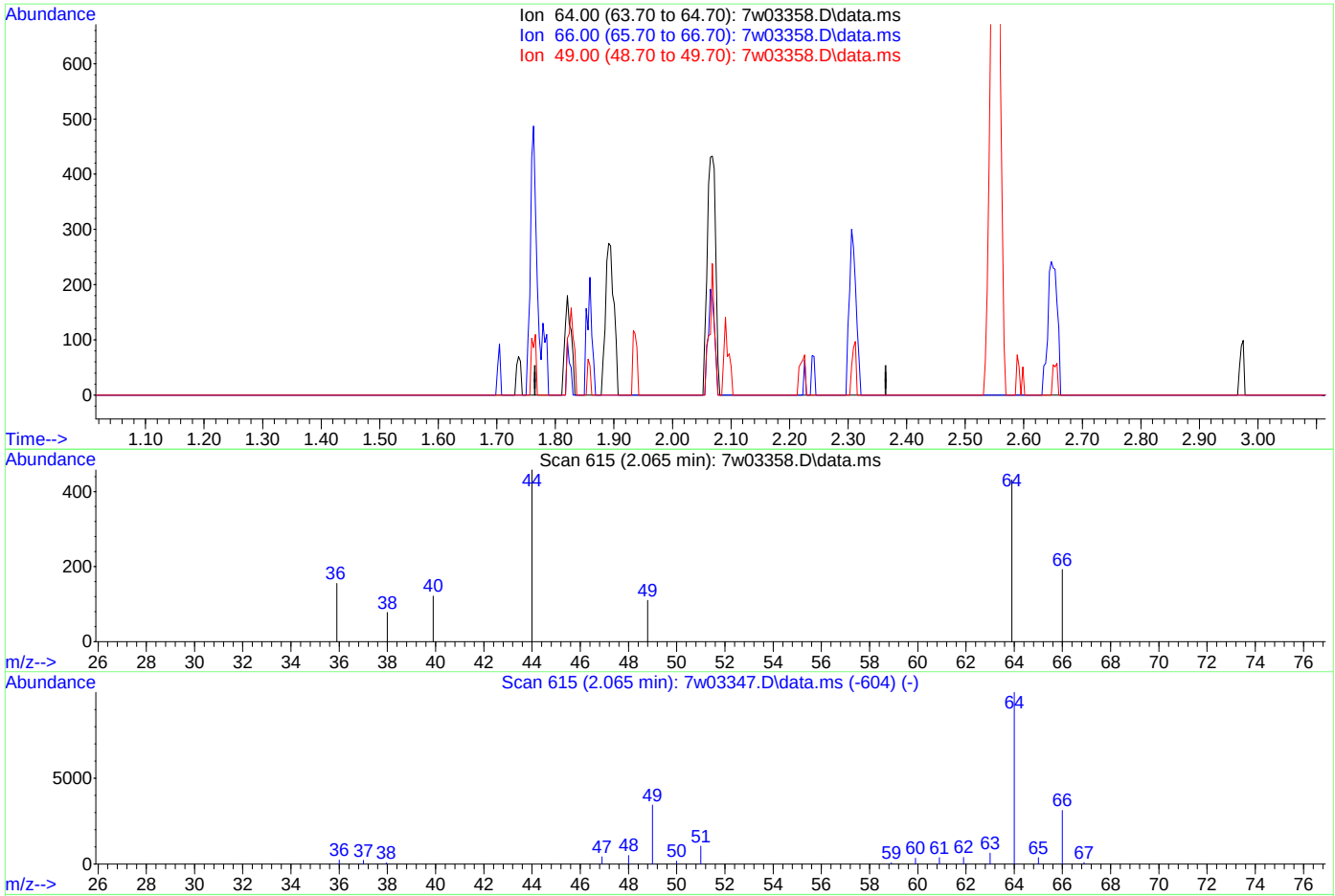
response 272

Ion	Exp%	Act%
52.00	100	100
50.00	322.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



TIC: 7w03358.D\data.ms

(15) CHLOROETHANE (T)

2.065min (-2.065) 0.00PPBV

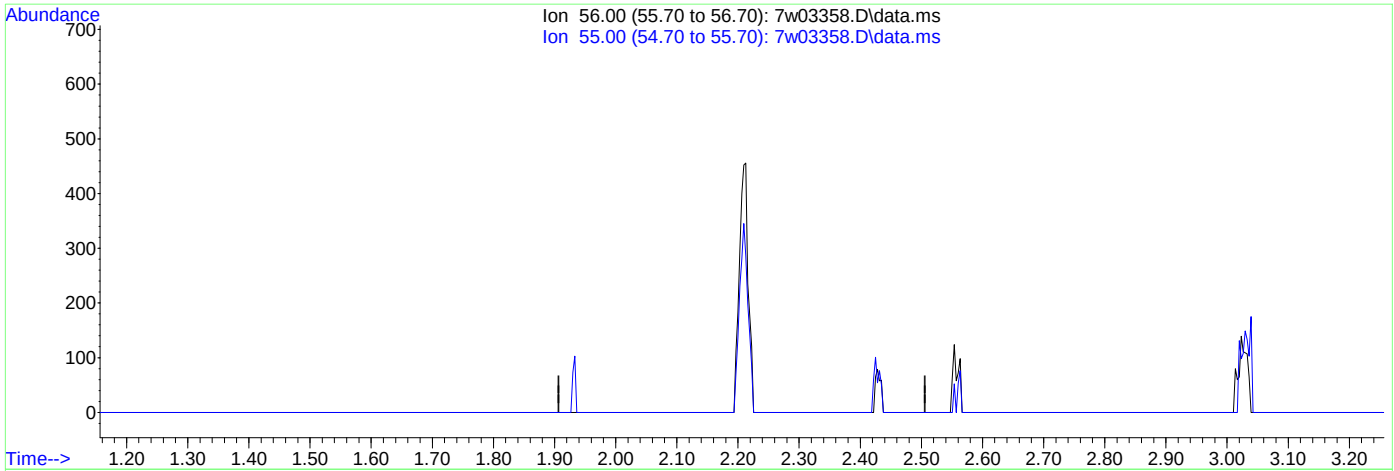
response 0

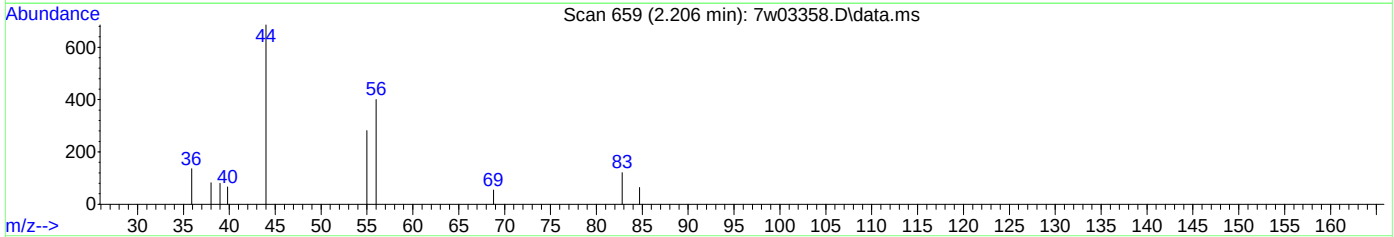
Ion	Exp%	Act%
64.00	100	0.00
66.00	30.70	0.00#
49.00	34.70	0.00#
0.00	0.00	0.00

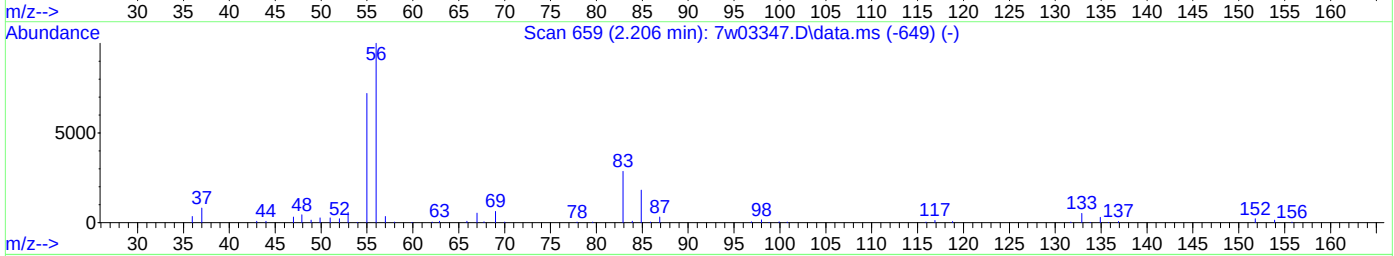
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(18) ACROLEIN (T)

2.206min (-2.206) 0.00PPBV

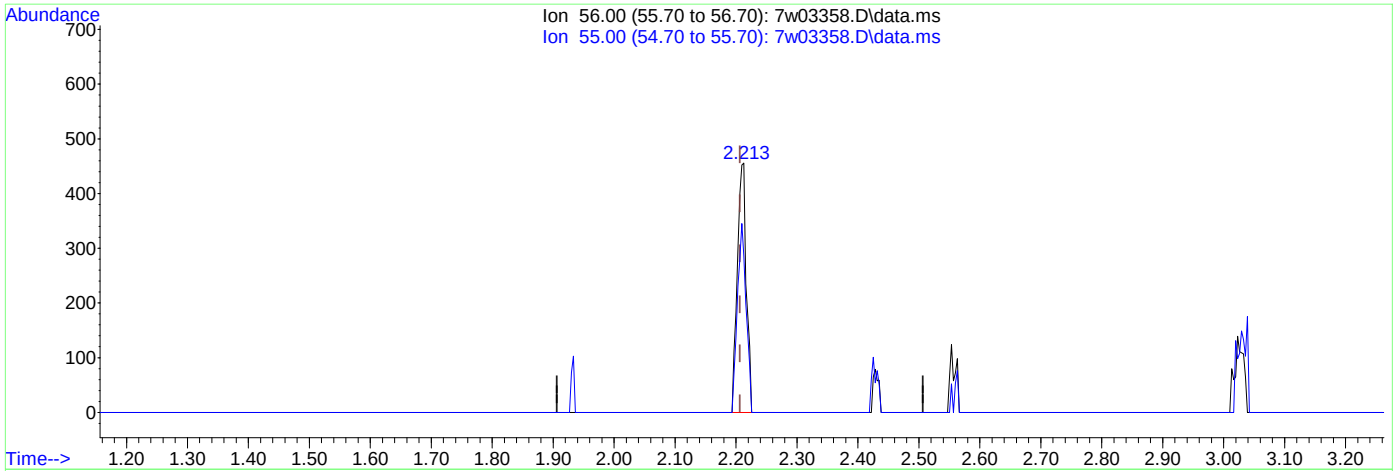
response 0

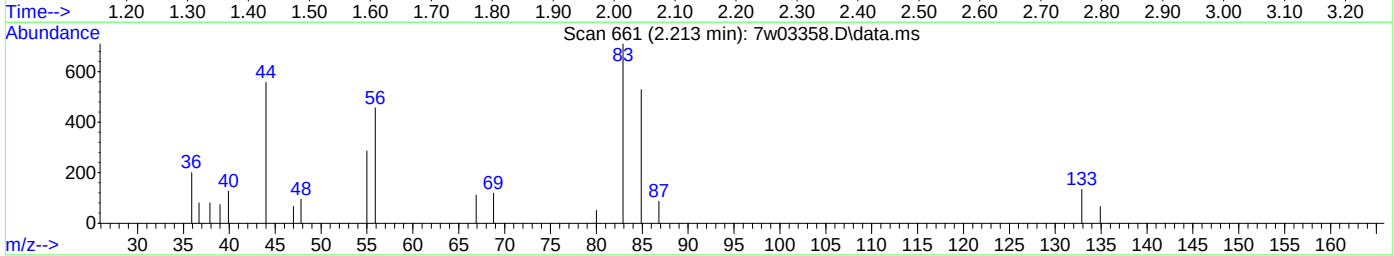
Ion	Exp%	Act%
56.00	100	0.00
55.00	71.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

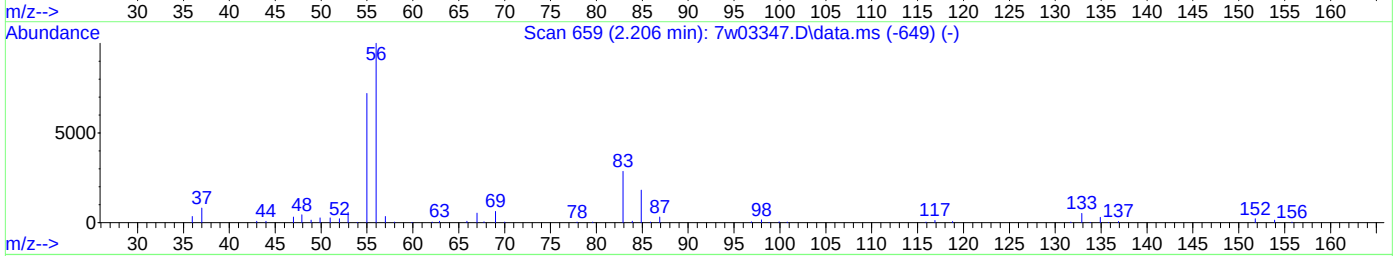
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(18) ACROLEIN (T)

2.213min (+0.006) 0.10PPBV m

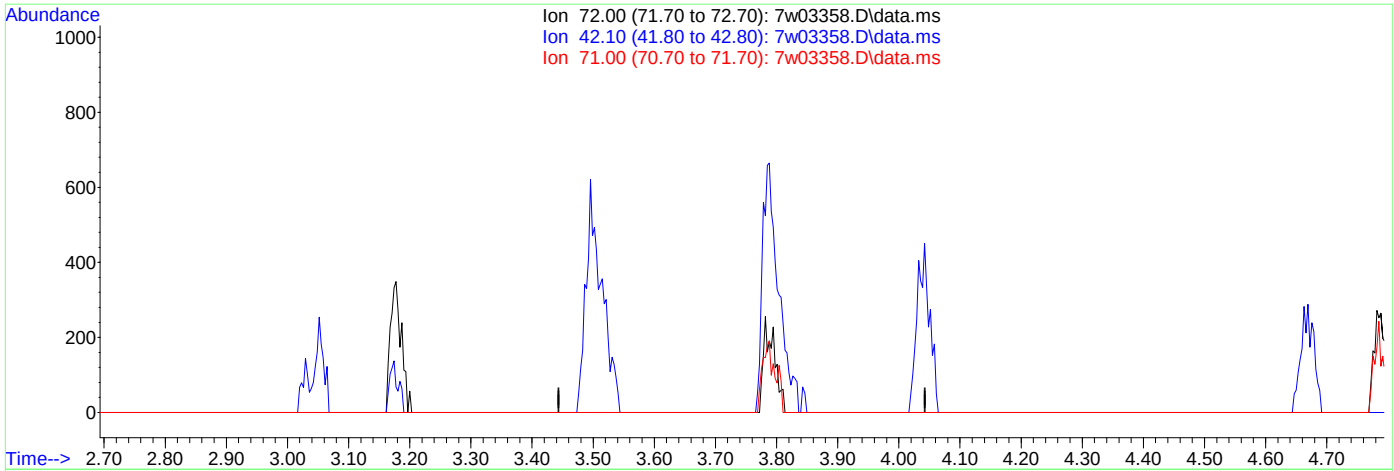
response 470

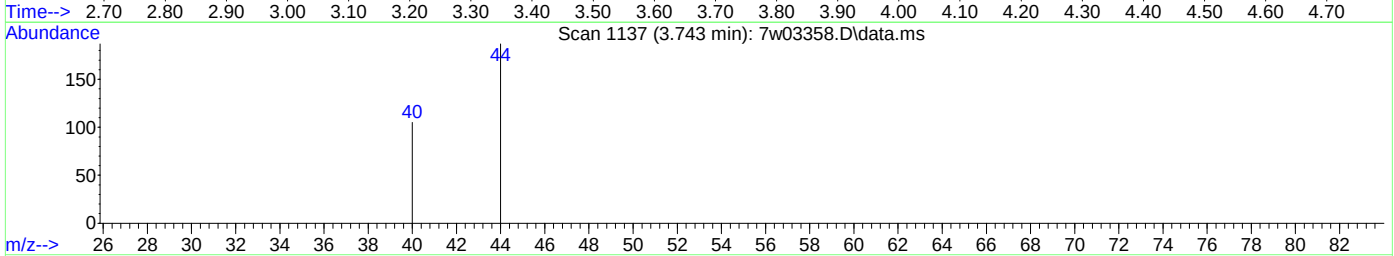
Ion	Exp%	Act%
56.00	100	100
55.00	71.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

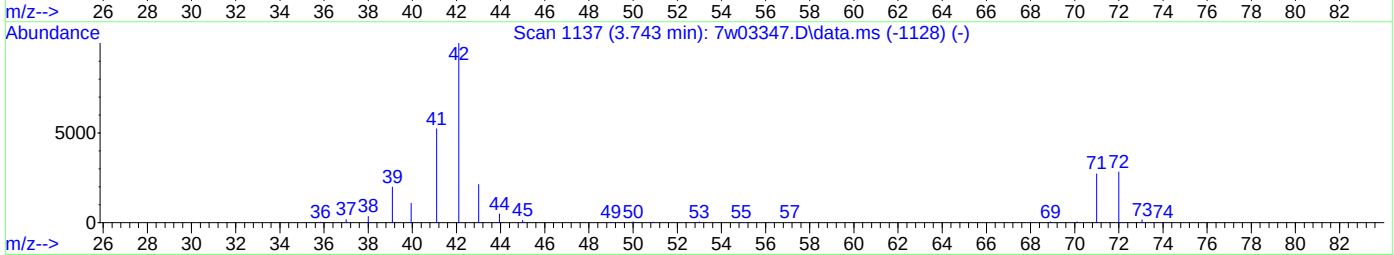
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(37) TETRAHYDROFURAN (T)

3.743min (-3.743) 0.00PPBV

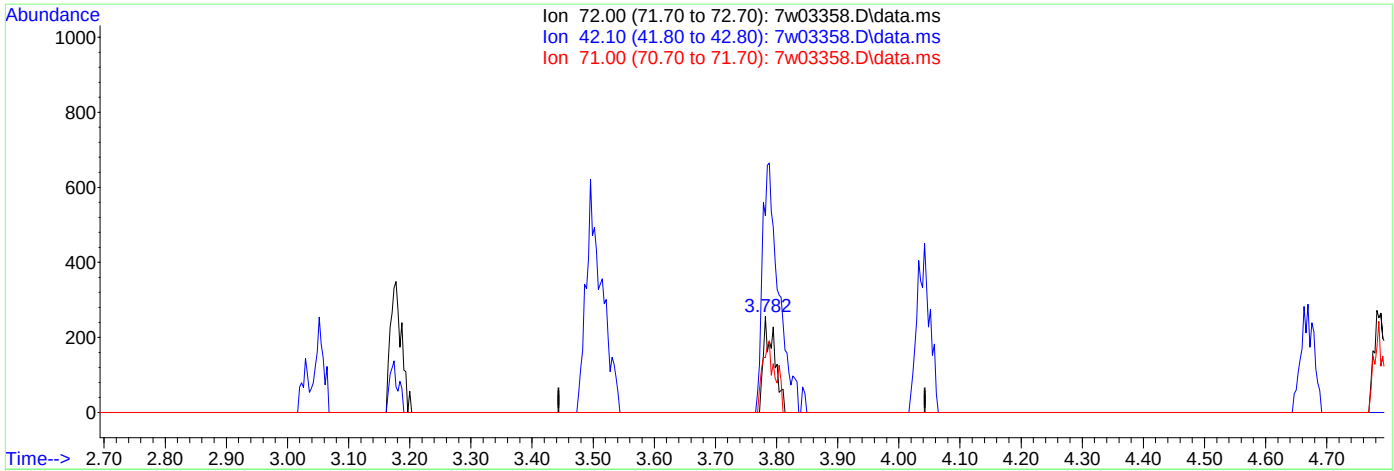
response 0

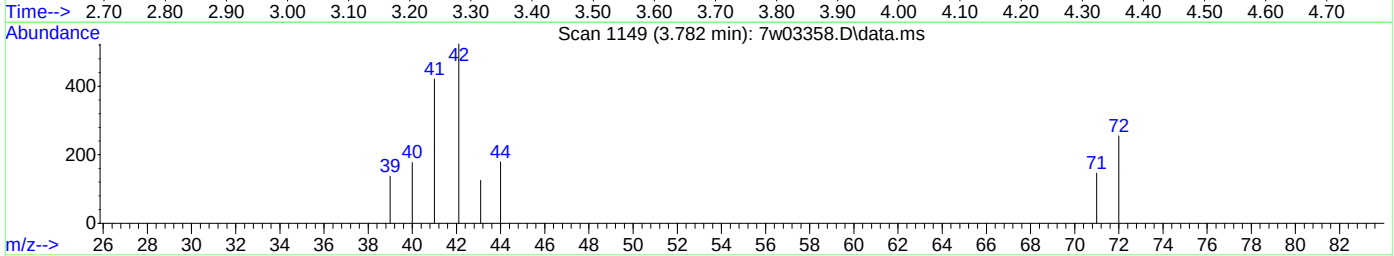
Ion	Exp%	Act%
72.00	100	0.00
42.10	350.60	0.00#
71.00	95.70	0.00#
0.00	0.00	0.00

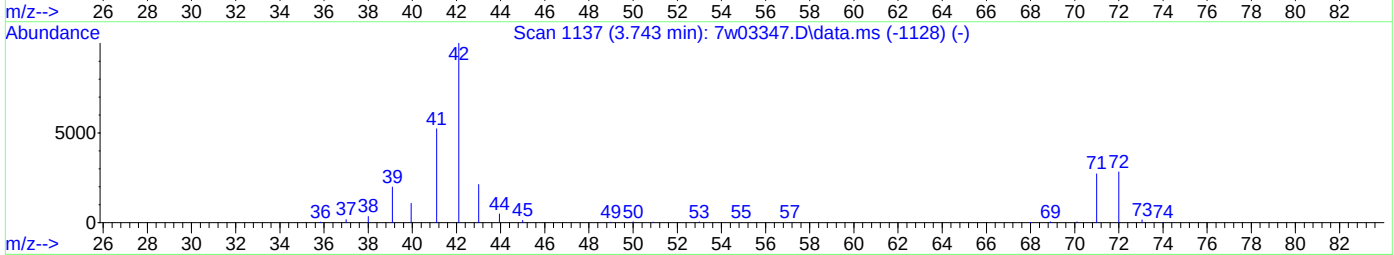
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(37) TETRAHYDROFURAN (T)

3.782min (+0.039) 0.09PPBV m

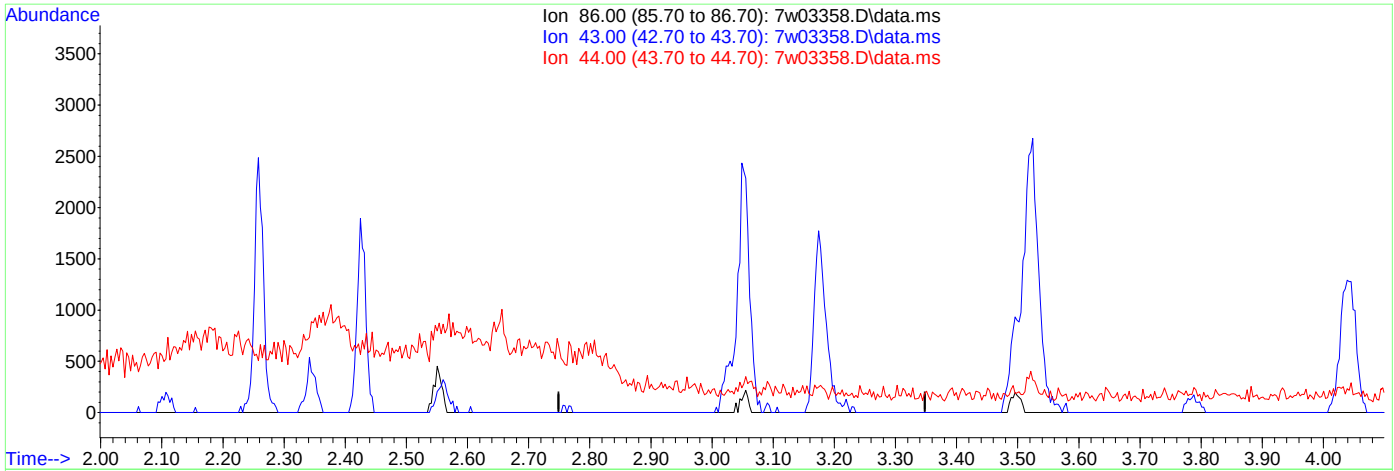
response 322

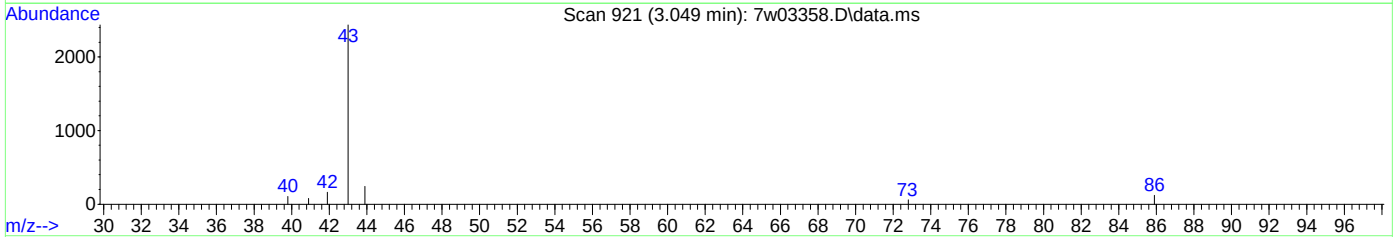
Ion	Exp%	Act%
72.00	100	100
42.10	350.60	0.00#
71.00	95.70	0.00#
0.00	0.00	0.00

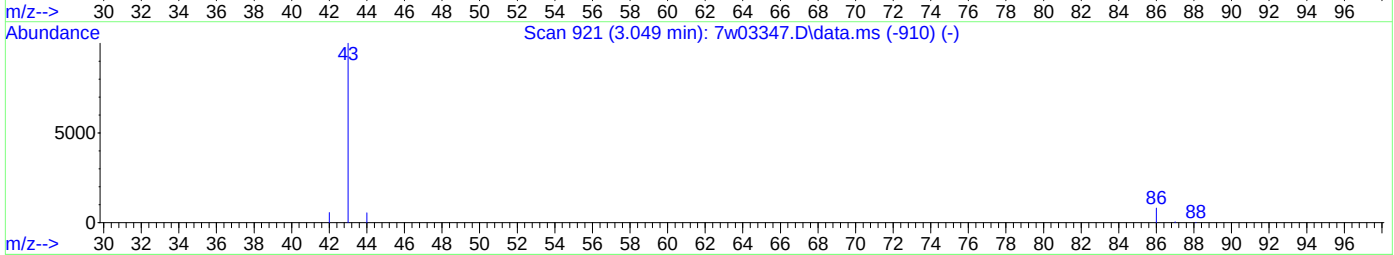
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(39) VINYL ACETATE (T)

3.049min (-3.049) 0.00PPBV

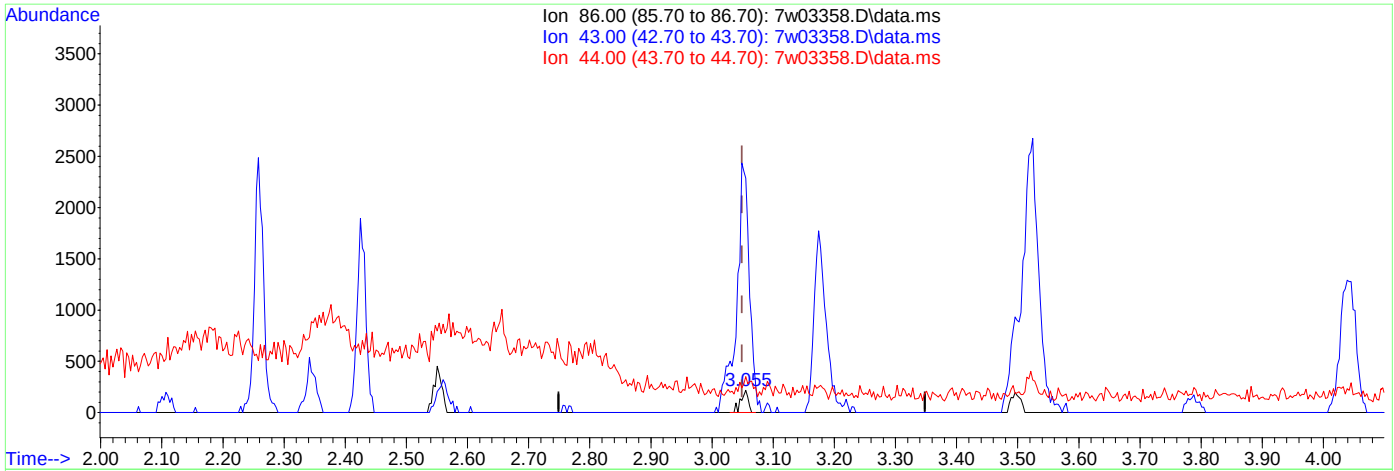
response 0

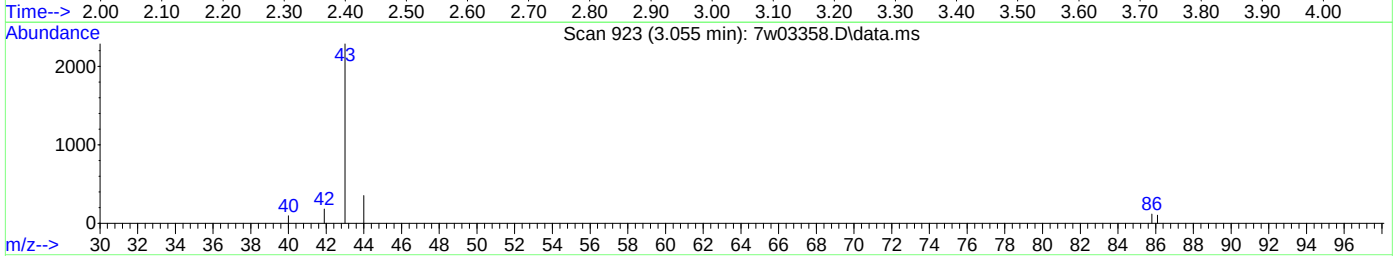
Ion	Exp%	Act%
86.00	100	0.00
43.00	1528.20	0.00#
44.00	77.70	0.00#
0.00	0.00	0.00

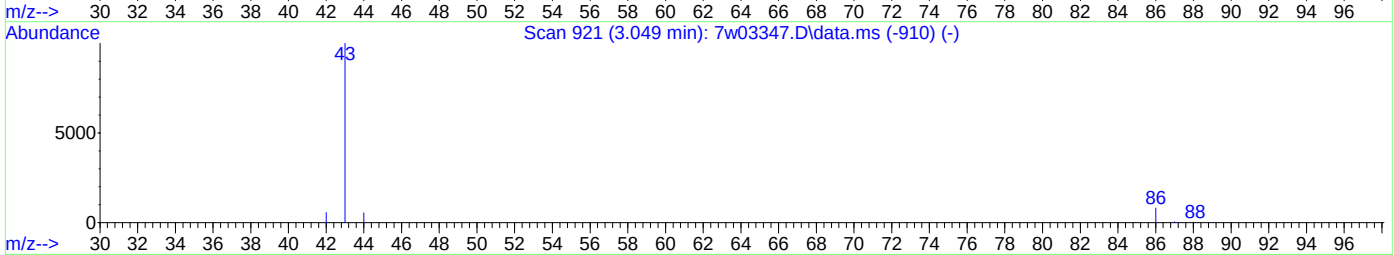
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(39) VINYL ACETATE (T)

3.055min (+0.006) 0.10PPBV m

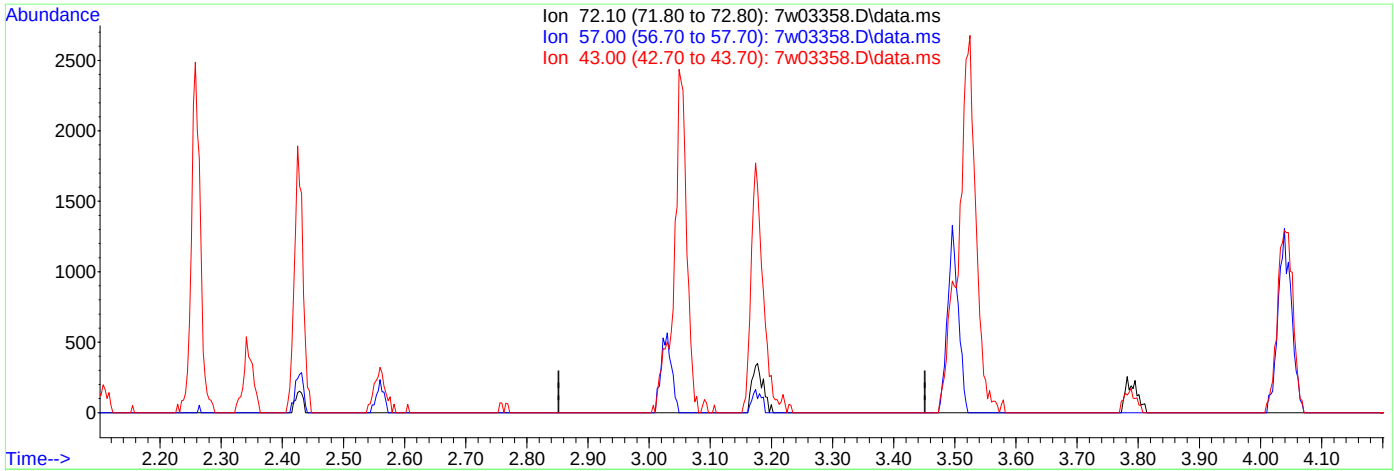
response 182

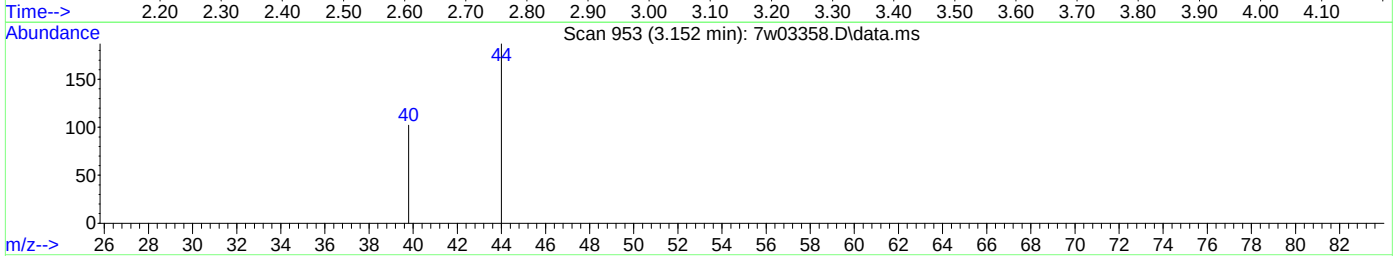
Ion	Exp%	Act%
86.00	100	100
43.00	1528.20	0.00#
44.00	77.70	0.00#
0.00	0.00	0.00

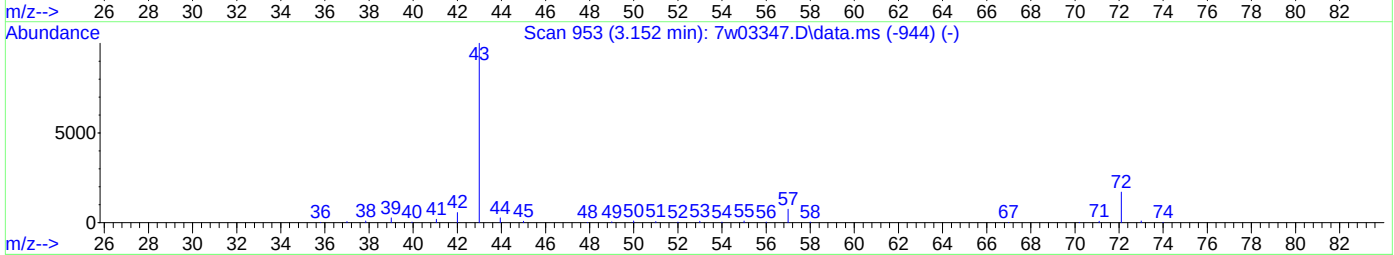
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(41) METHYL ETHYL KETONE (T)

3.152min (-3.152) 0.00PPBV

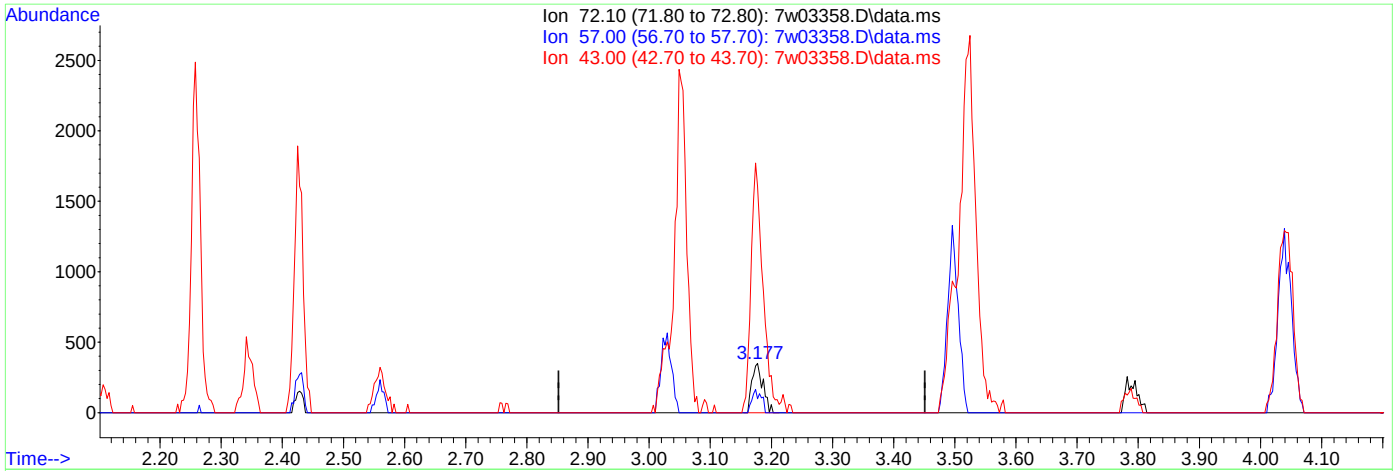
response 0

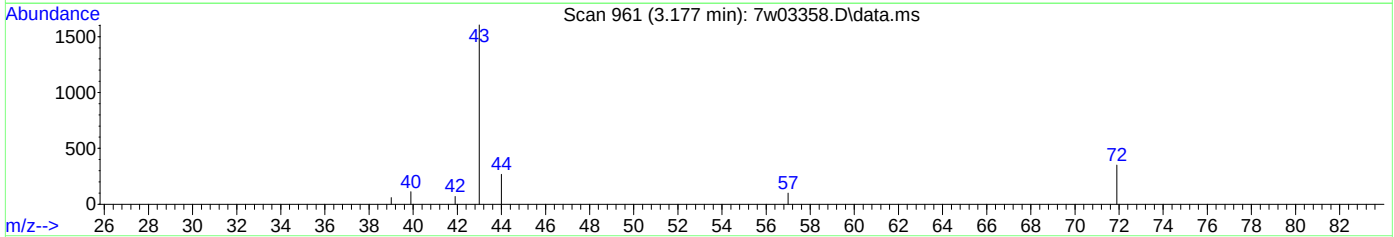
Ion	Exp%	Act%
72.10	100	0.00
57.00	43.30	0.00#
43.00	589.50	0.00#
0.00	0.00	0.00

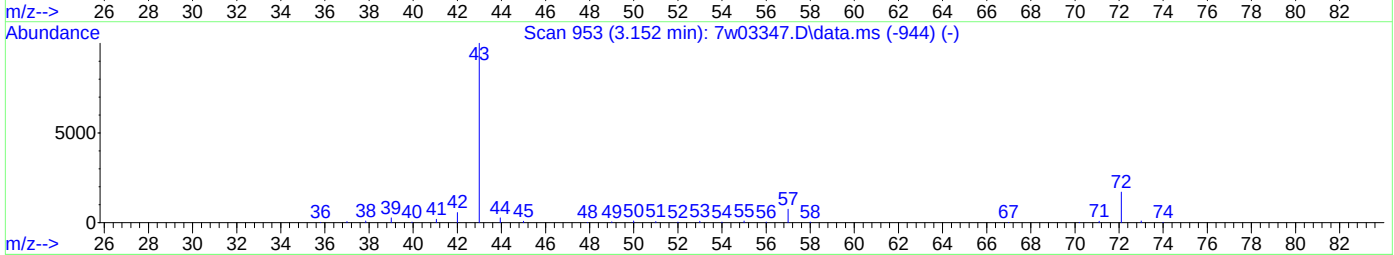
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(41) METHYL ETHYL KETONE (T)

3.177min (+0.026) 0.11PPBV m

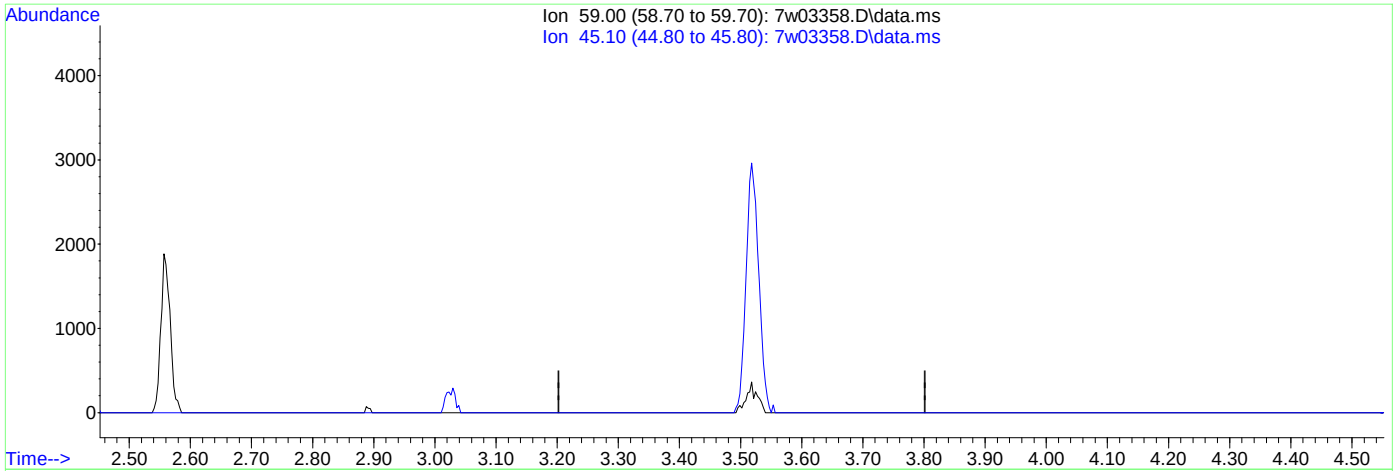
response 438

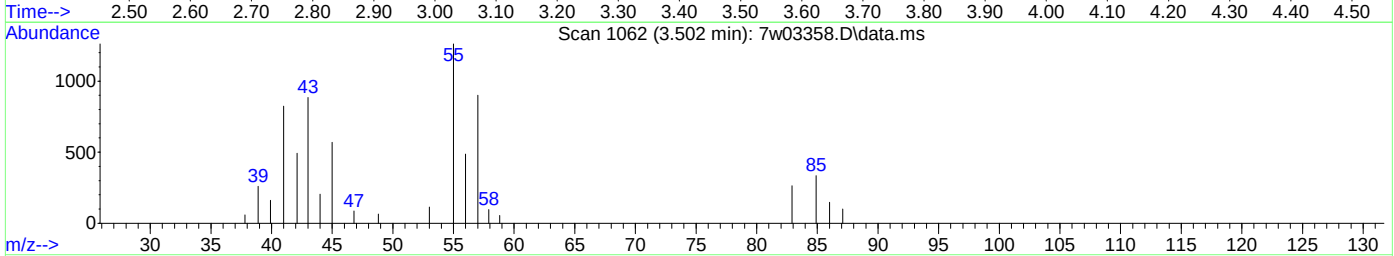
Ion	Exp%	Act%
72.10	100	100
57.00	43.30	0.00#
43.00	589.50	0.00#
0.00	0.00	0.00

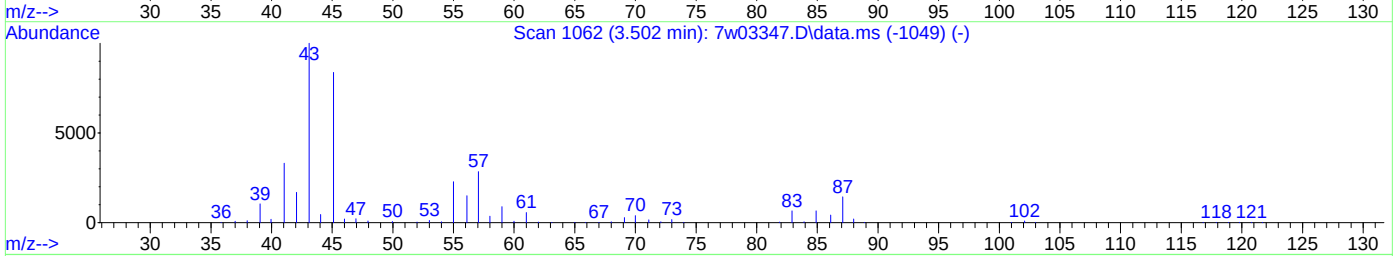
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(43) DIISOPROPYL ETHER (T)

3.502min (-3.502) 0.00PPBV

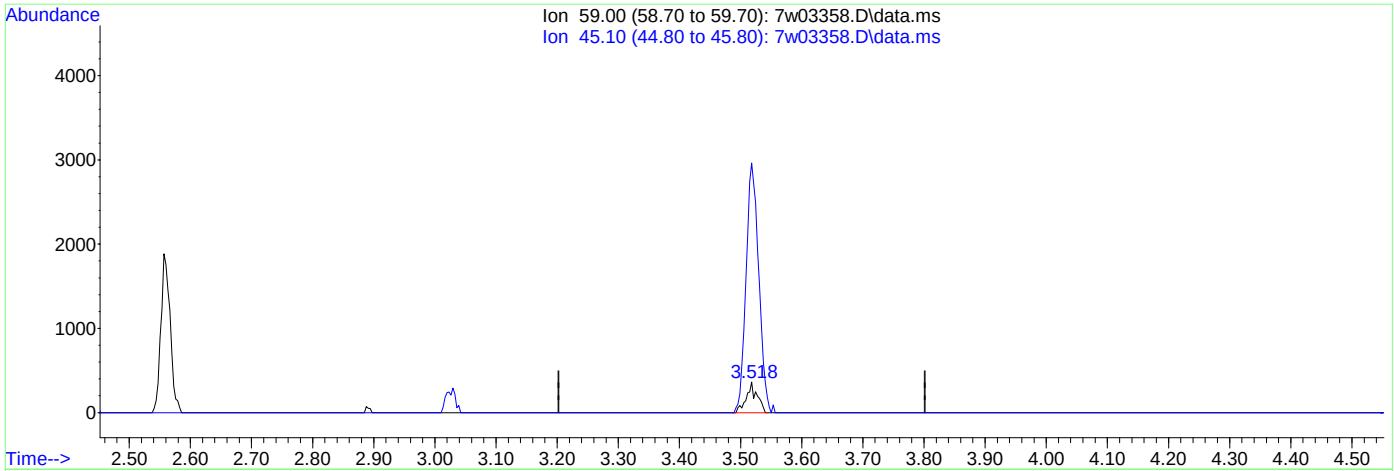
response 0

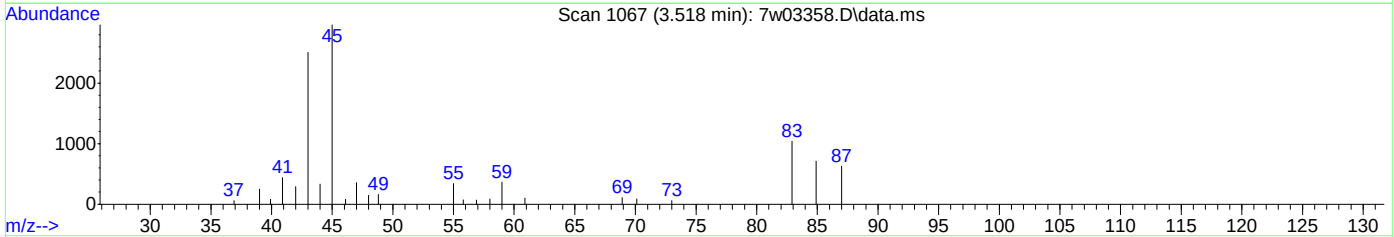
Ion	Exp%	Act%
59.00	100	0.00
45.10	864.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

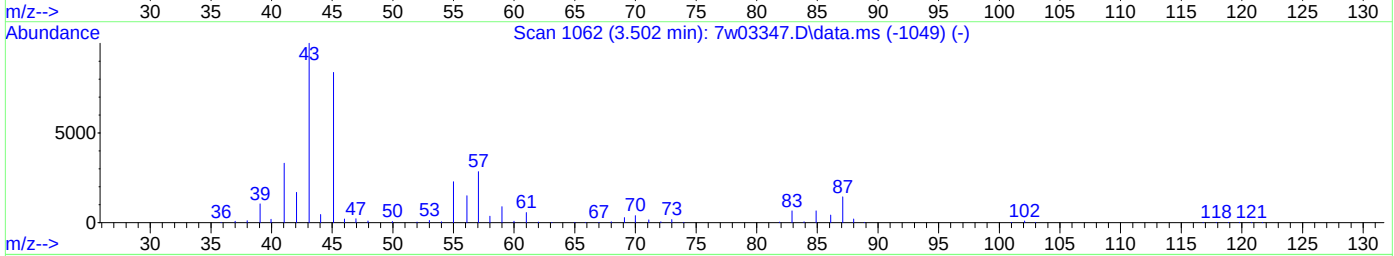
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(43) DIISOPROPYL ETHER (T)

3.518min (+0.016) 0.10PPBV m

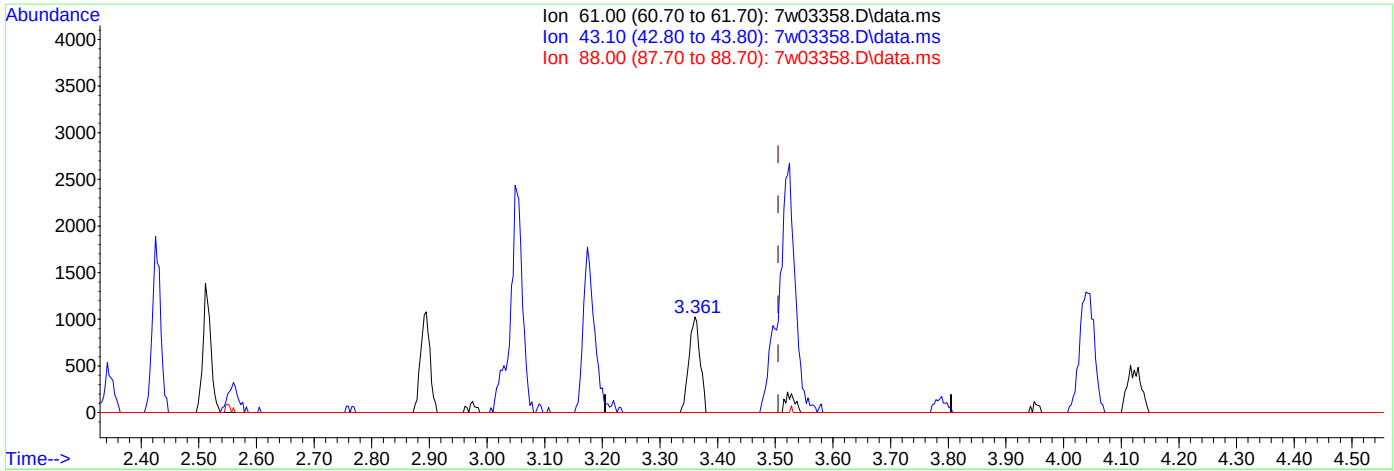
response 437

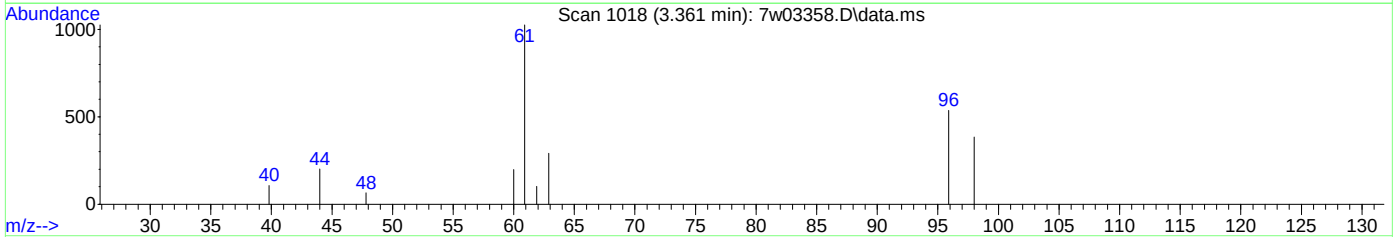
Ion	Exp%	Act%
59.00	100	100
45.10	864.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

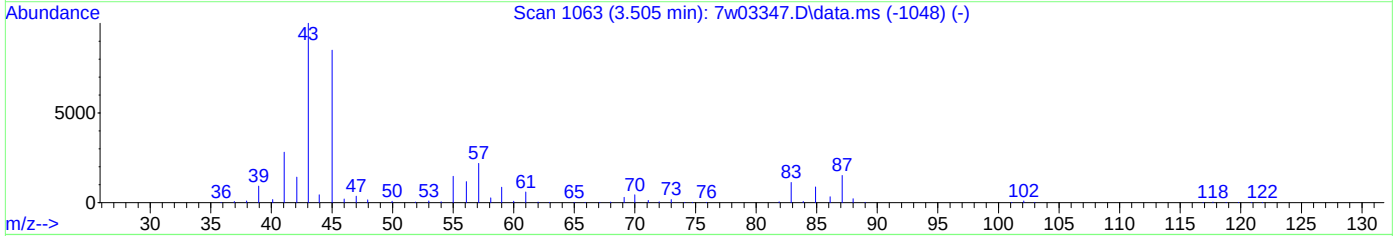
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(44) ETHYL ACETATE (T)

3.361min (-0.145) 0.50PPBV

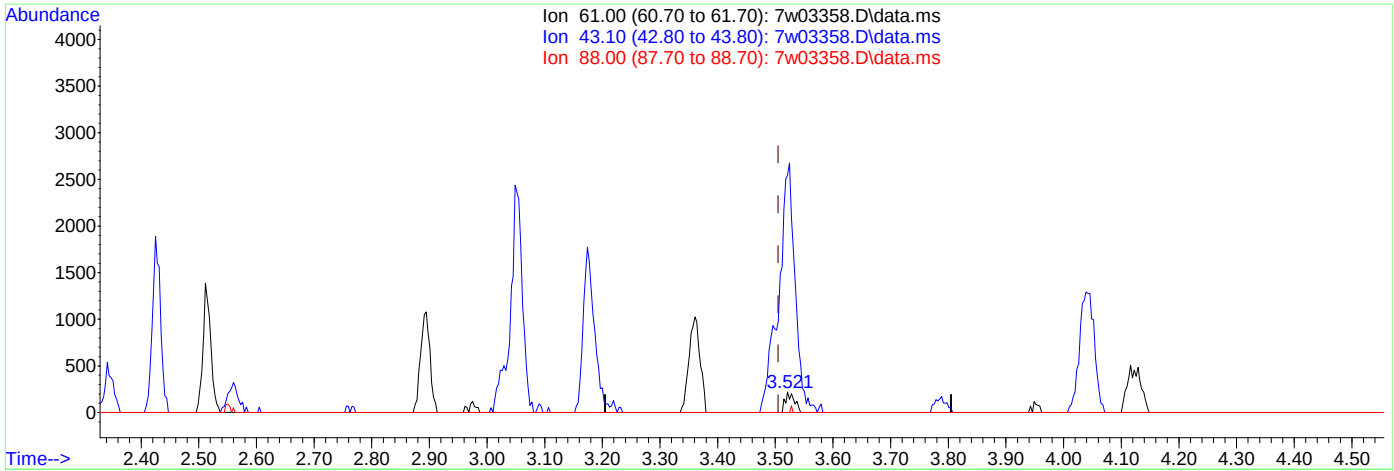
response 1373

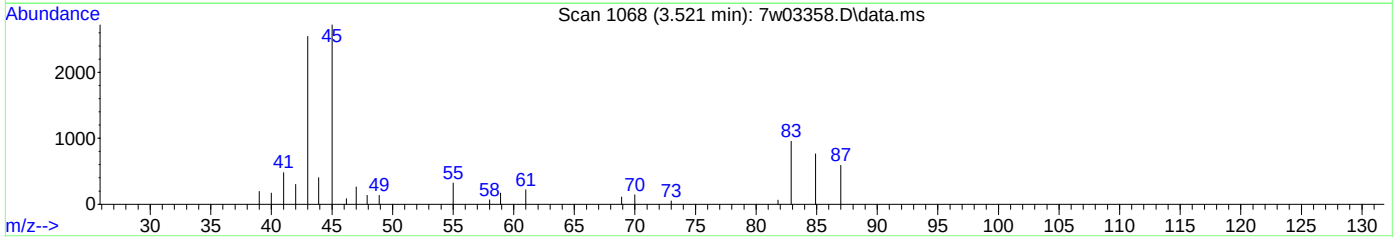
Ion	Exp%	Act%
61.00	100	100
43.10	1800.80	0.00#
88.00	36.30	0.00#
0.00	0.00	0.00

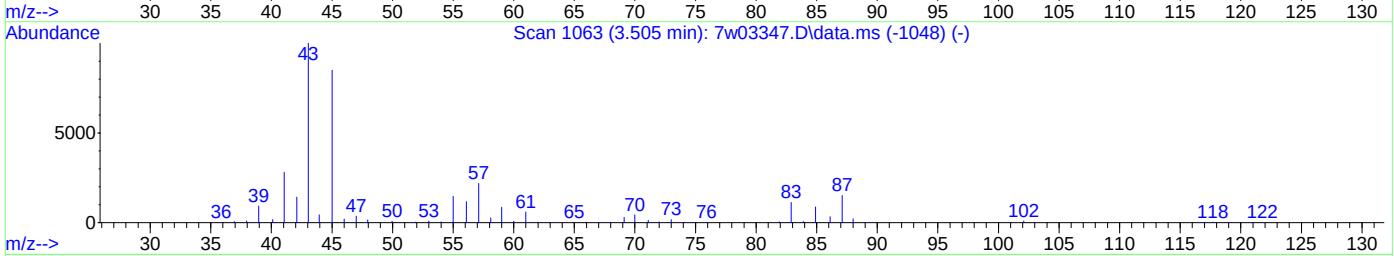
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(44) ETHYL ACETATE (T)

3.521min (+0.016) 0.09PPBV m

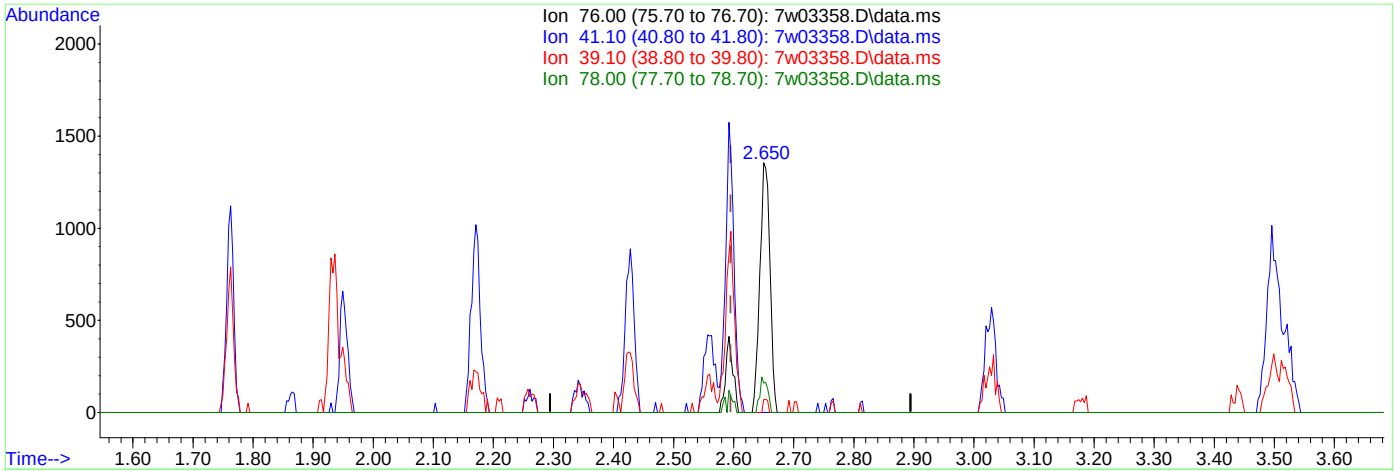
response 237

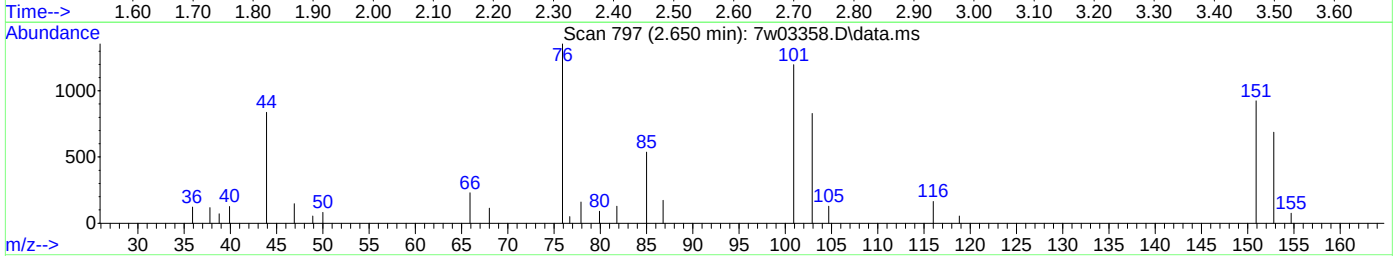
Ion	Exp%	Act%
61.00	100	100
43.10	1800.80	0.00#
88.00	36.30	0.00#
0.00	0.00	0.00

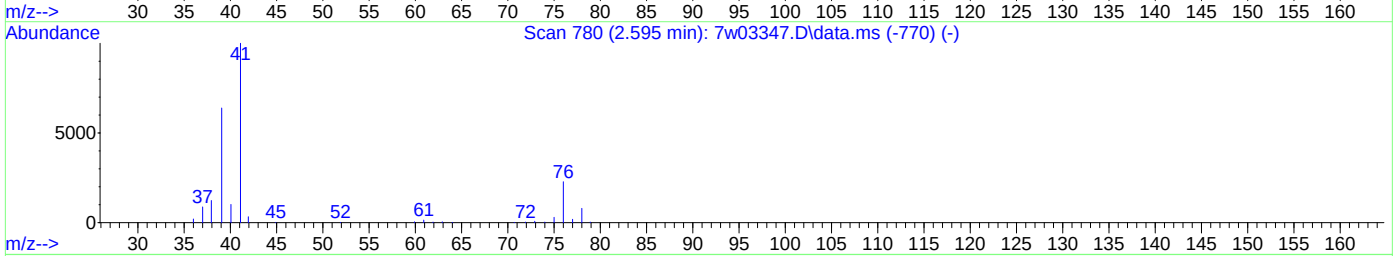
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(32) 3-CHLOROPROPENE (T)

2.650min (+0.055) 0.50PPBV

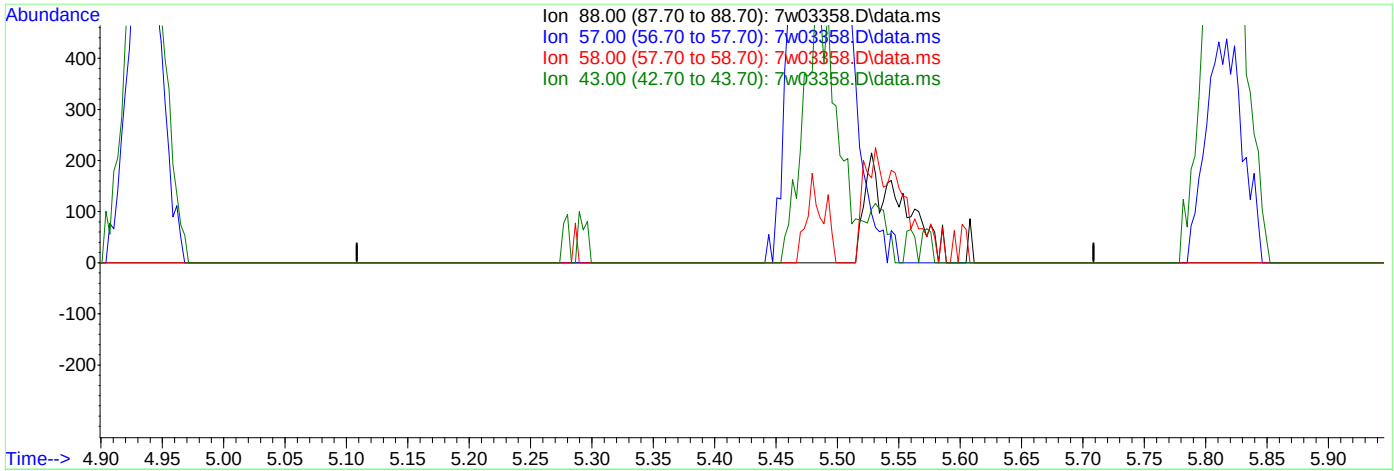
response 1572

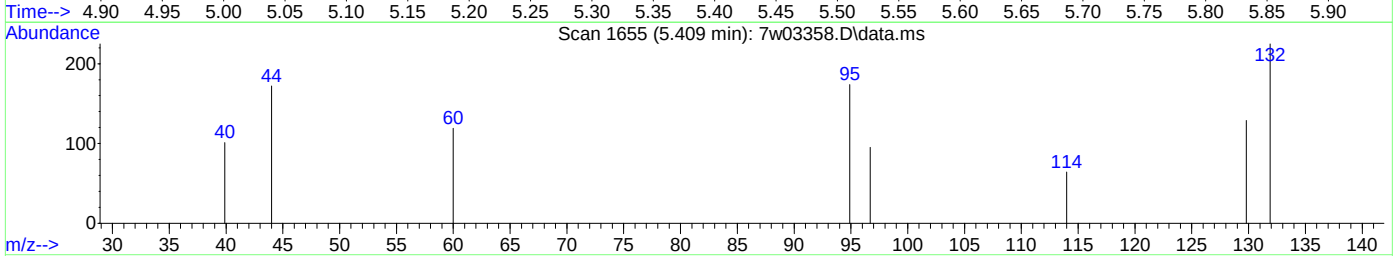
Ion	Exp%	Act%
76.00	100	100
41.10	441.30	0.00#
39.10	277.70	0.00#
78.00	32.10	0.00#

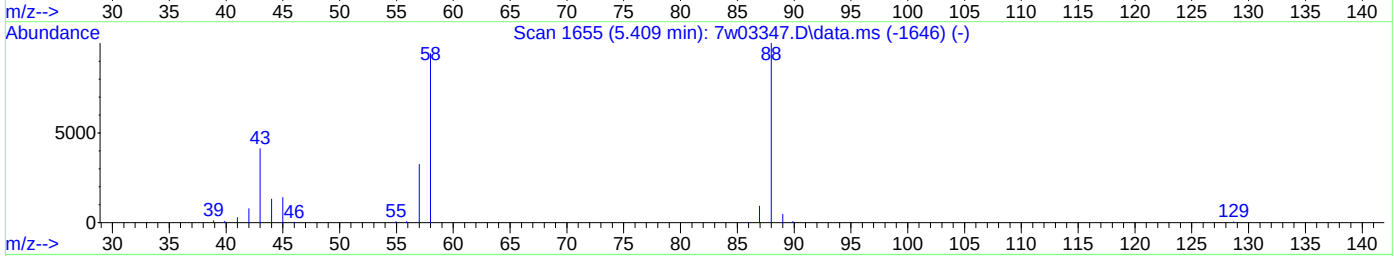
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(61) 1,4-DIOXANE (T)

5.409min (-5.409) 0.00PPBV

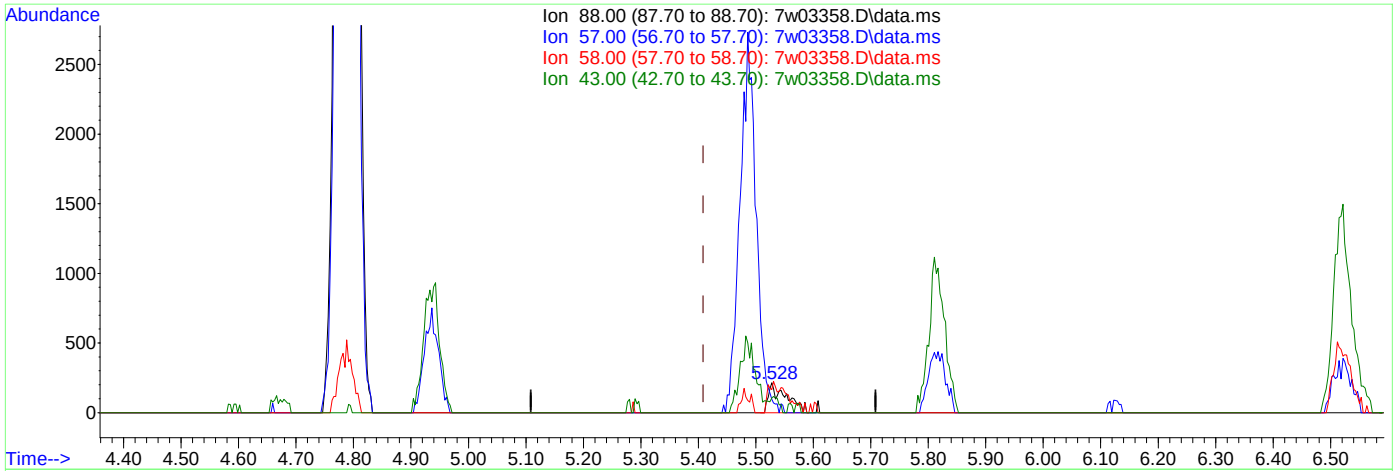
response 0

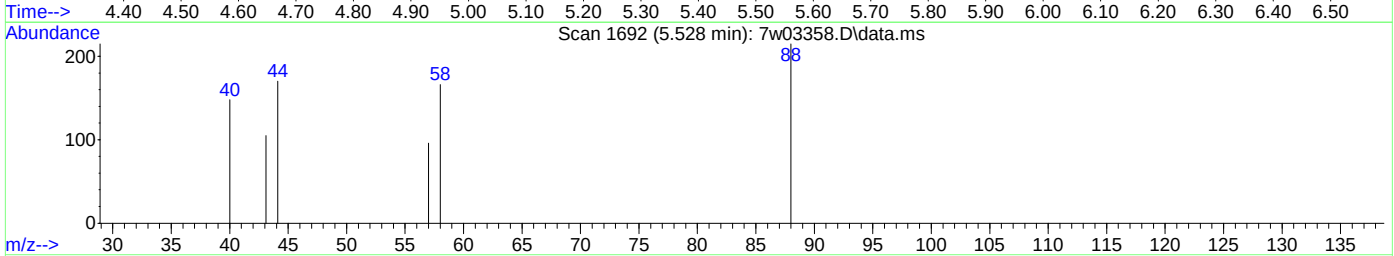
Ion	Exp%	Act%
88.00	100	0.00
57.00	27.10	0.00#
58.00	90.80	0.00#
43.00	37.30	0.00#

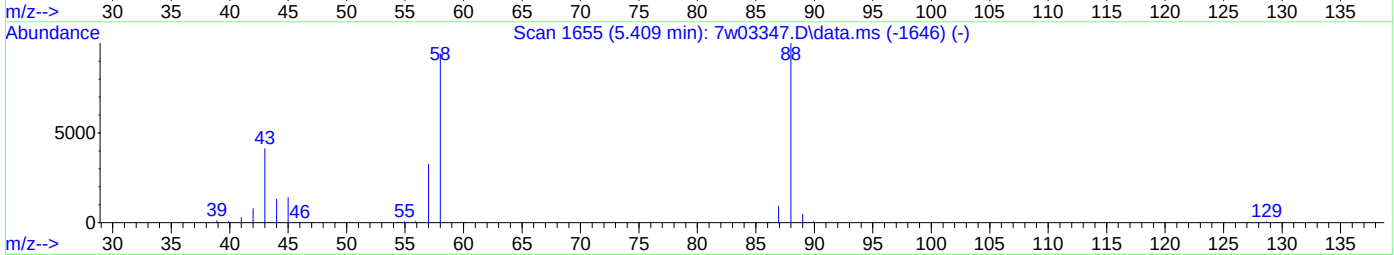
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(61) 1,4-DIOXANE (T)

5.528min (+0.119) 0.09PPBV m

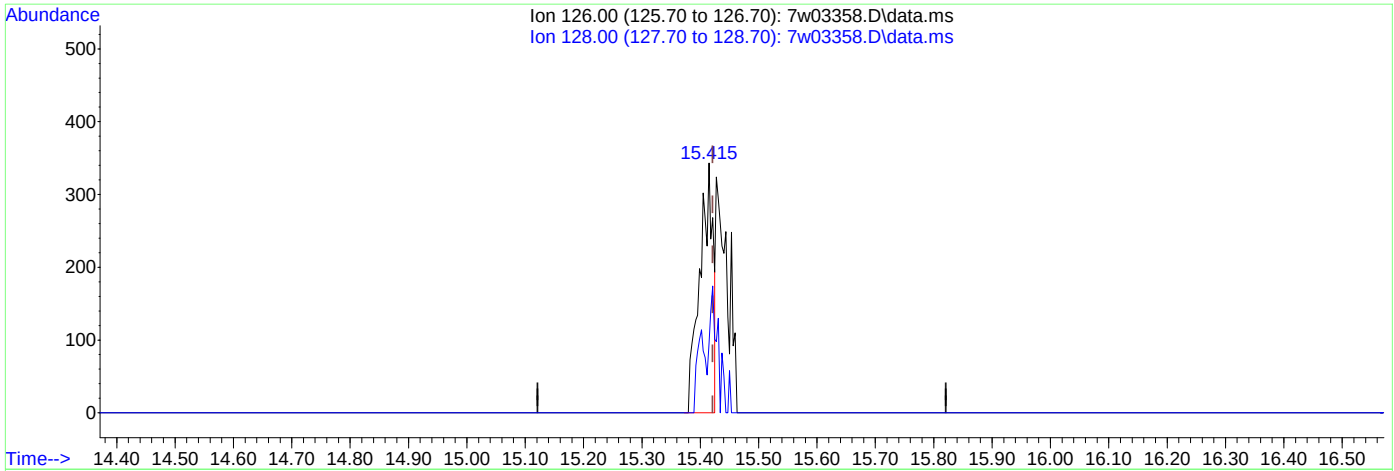
response 457

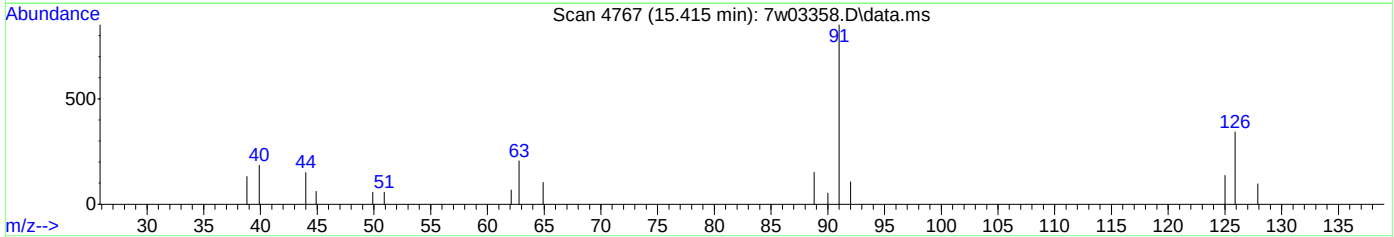
Ion	Exp%	Act%
88.00	100	100
57.00	27.10	0.00#
58.00	90.80	0.00#
43.00	37.30	0.00#

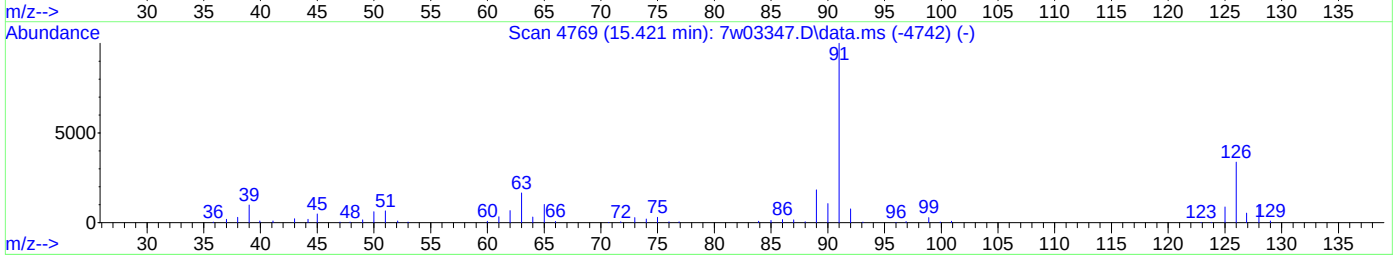
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(90) 2-CHLOROTOLUENE (T)

15.415min (-0.006) 0.05PPBV

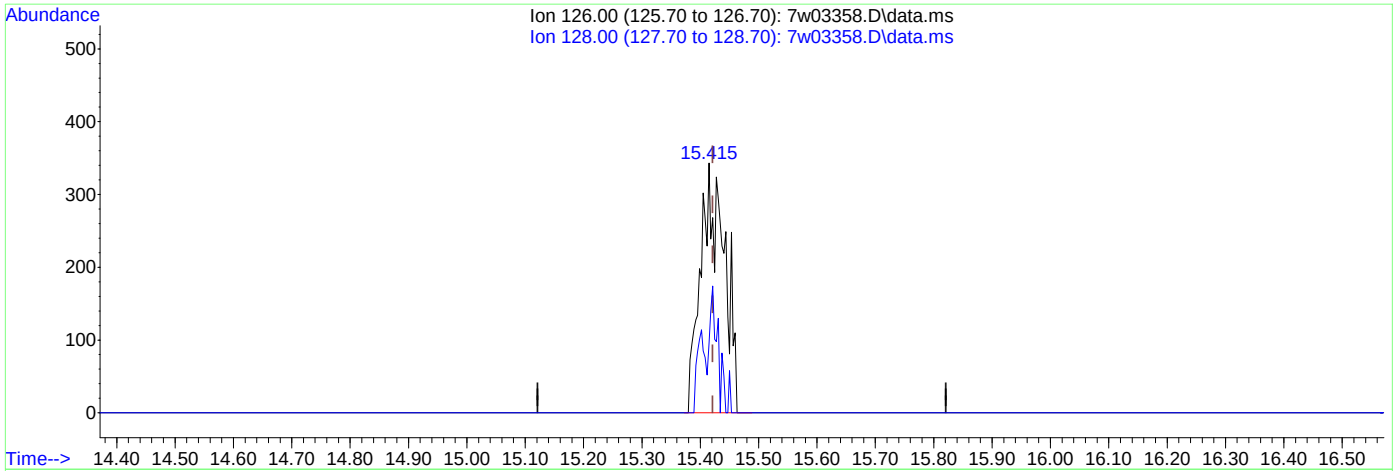
response 534

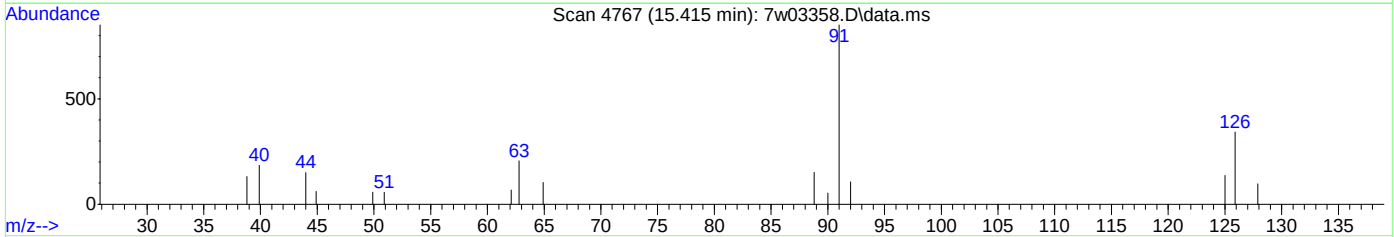
Ion	Exp%	Act%
126.00	100	100
128.00	32.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

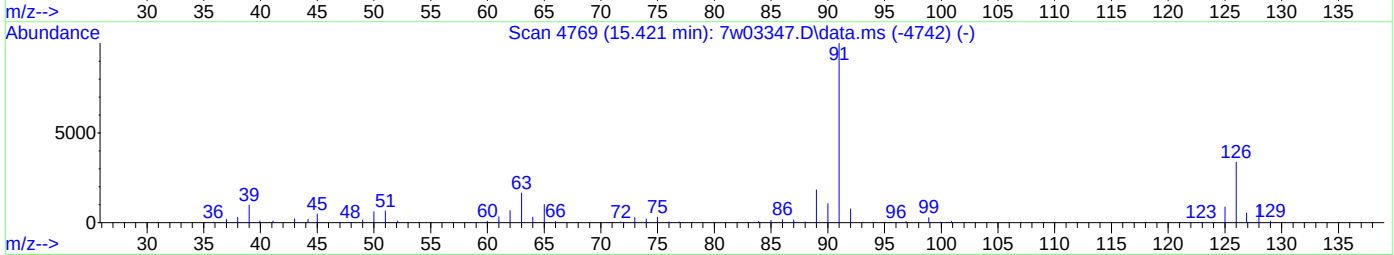
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:03:15 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration







TIC: 7w03358.D\data.ms

(90) 2-CHLOROTOLUENE (T)

15.415min (-0.006) 0.10PPBV m

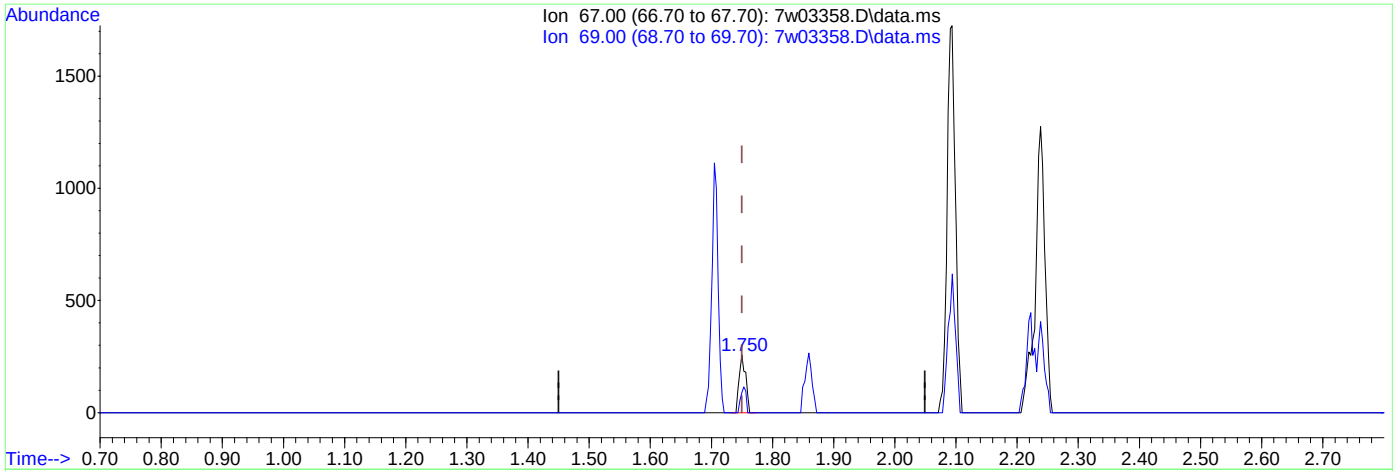
response 966

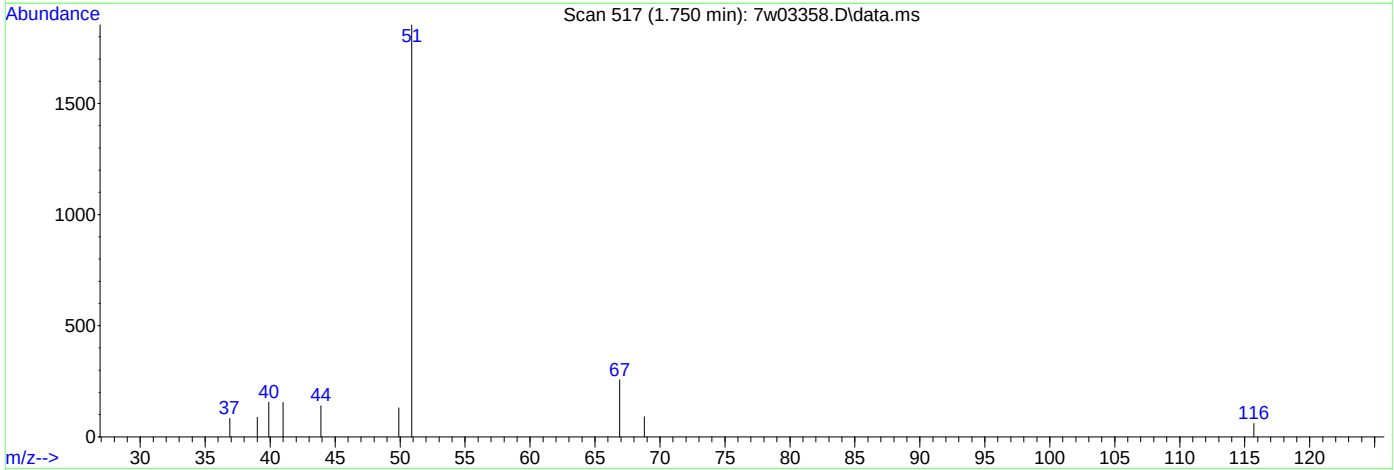
Ion	Exp%	Act%
126.00	100	100
128.00	32.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:00 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03358.D\data.ms

(4) CHLORODIFLUOROMETHANE (T)

1.750min (+0.000) 0.09PPBV m

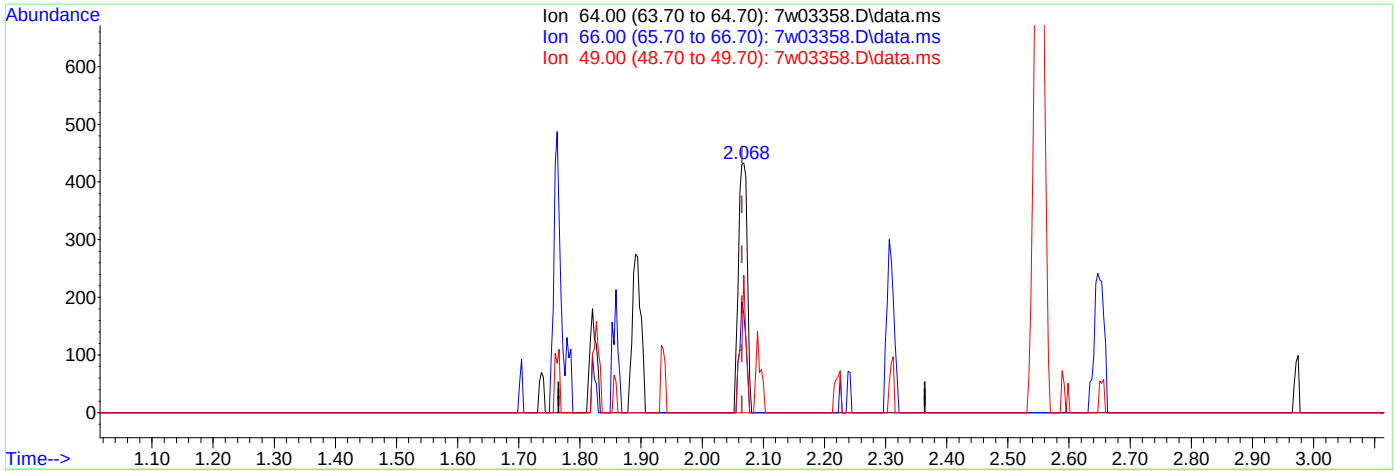
response 191

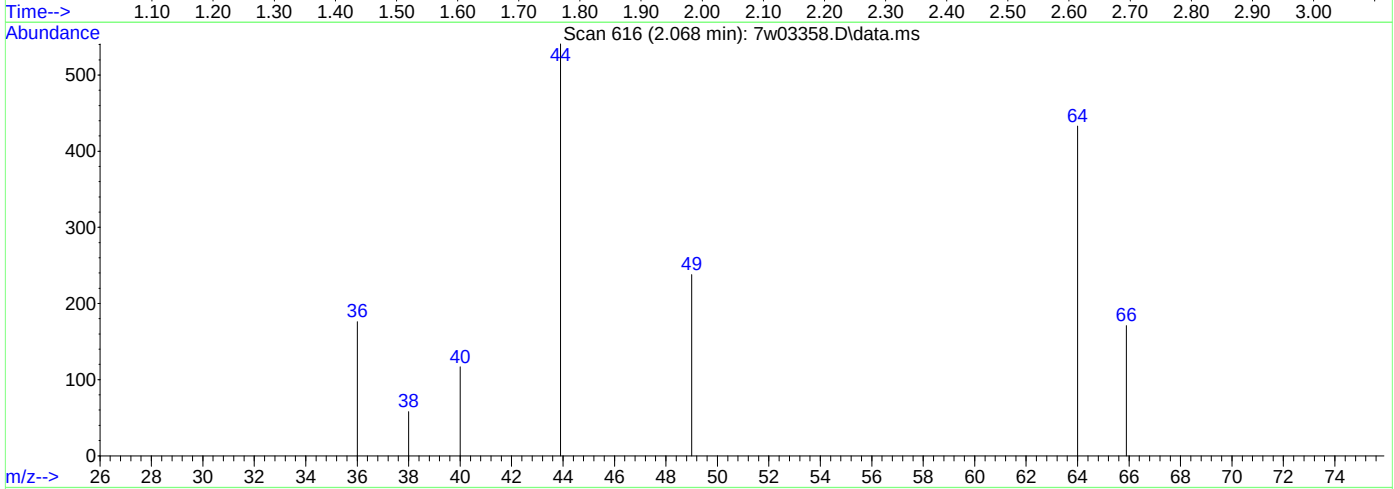
Ion	Exp%	Act%
67.00	100	100
69.00	33.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:00 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03358.D\data.ms

(15) CHLOROETHANE (T)

2.068min (+0.003) 0.10PPBV m

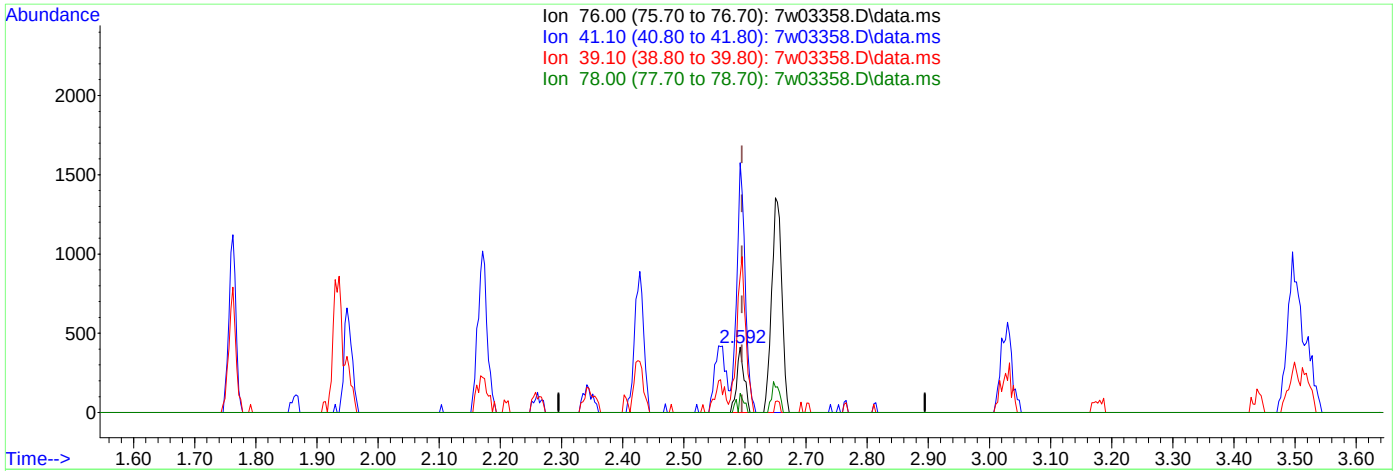
response 437

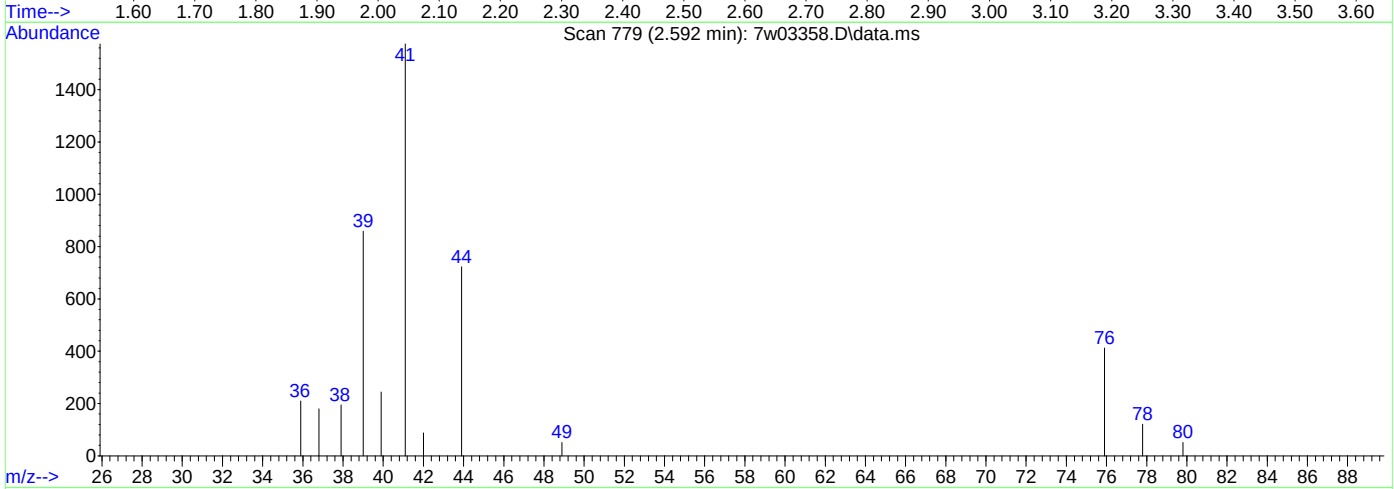
Ion	Exp%	Act%
64.00	100	100
66.00	30.70	0.00#
49.00	34.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03358.D
Acq On : 22 Sep 2023 11:13 am
Operator : thomash
Sample : ic0138-0.10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:00 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03358.D\data.ms

(32) 3-CHLOROPROPENE (T)

2.592min (-0.003) 0.11PPBV m

response 348

Ion	Exp%	Act%
76.00	100	100
41.10	441.30	0.00#
39.10	277.70	0.00#
78.00	32.10	0.00#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/23/23 14:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03359.D
Acq On : 22 Sep 2023 11:47 am
Operator : thomash
Sample : ic0138-0.20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:07 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.441	128	48826	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.788	114	258539	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.524	117	232814	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.441	128	48826	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.926	95	173736	9.75	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.737	65	937	0.20	PPBV	#	39
4) CHLORODIFLUOROMETHANE	1.753	67	392m	0.20	PPBV		
5) CHLOROTRIFLUOROETHENE	1.766	116	1928	0.20	PPBV		97
6) DICHLORODIFLUOROMETHANE	1.782	85	3991	0.20	PPBV		98
7) PROPYLENE	1.763	41	1638	0.20	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.824	65	3075	0.20	PPBV	#	89
9) FREON 114	1.859	85	3217	0.20	PPBV		97
10) CHLOROMETHANE	1.827	52	527	0.20	PPBV		94
11) VINYL CHLORIDE	1.894	62	1463	0.19	PPBV	#	52
12) 1,3-BUTADIENE	1.933	54	1311	0.19	PPBV		86
13) N-BUTANE	1.952	43	2970	0.20	PPBV	#	74
14) BROMOMETHANE	2.013	94	1108	0.19	PPBV	#	91
15) CHLOROETHANE	2.065	64	777	0.19	PPBV	#	42
16) DICHLOROFLUOROMETHANE	2.094	67	2998	0.20	PPBV	#	87
17) ACETONITRILE	2.168	41	2062	0.22	PPBV	#	83
18) ACROLEIN	2.209	56	893	0.21	PPBV		92
19) FREON 123	2.222	83	2800	0.20	PPBV		98
20) FREON 123A	2.242	117	1585	0.19	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.309	101	3468	0.20	PPBV	#	92
22) ISOPROPYL ALCOHOL	2.344	45	4468	0.22	PPBV	#	95
23) ACETONE	2.261	58	1218	0.24	PPBV		99
24) PENTANE	2.425	42	1983	0.20	PPBV	#	89
25) IODOMETHANE	2.486	142	2912	0.20	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.515	96	1205	0.21	PPBV		89
27) CARBON DISULFIDE	2.653	76	3004	0.20	PPBV	#	70
28) ETHANOL	2.107	45	1639	0.30	PPBV	#	88
29) BROMOETHENE	2.177	106	1076	0.19	PPBV	#	88
30) ACRYLONITRILE	2.402	52	1457	0.21	PPBV		96
31) METHYLENE CHLORIDE	2.553	84	1119	0.21	PPBV		98
32) 3-CHLOROPROPENE	2.592	76	651	0.21	PPBV	#	95
33) FREON 113	2.650	151	1783	0.19	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	2.894	96	1355	0.20	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.560	59	3919	0.21	PPBV		97
36) METHYL TERTIARY BUTYL ...	3.026	73	4303	0.21	PPBV	#	81
37) TETRAHYDROFURAN	3.779	72	727	0.21	PPBV		94
38) HEXANE	3.496	57	2992	0.20	PPBV		96
39) VINYL ACETATE	3.055	86	337m	0.18	PPBV		
40) 1,1-DICHLOROETHANE	2.975	63	2985	0.20	PPBV	#	89
41) METHYL ETHYL KETONE	3.171	72	804	0.21	PPBV	#	89
42) CIS-1,2-DICHLOROETHENE	3.357	96	1393	0.19	PPBV		98
43) DIISOPROPYL ETHER	3.518	59	935	0.21	PPBV		98
44) ETHYL ACETATE	3.521	61	515	0.20	PPBV	#	73
45) METHYL ACRYLATE	3.502	55	3935	0.21	PPBV	#	97
46) CHLOROFORM	3.521	83	3038	0.21	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.039	57	3695	0.20	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.123	97	3018	0.20	PPBV		99
49) CARBON TETRACHLORIDE	4.573	117	2960	0.19	PPBV		96
50) 1,2-DICHLOROETHANE	3.949	62	2436	0.21	PPBV	#	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03359.D
Acq On : 22 Sep 2023 11:47 am
Operator : thomash
Sample : ic0138-0.20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:07 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.447	78	4675	0.21	PPBV		99
53)	CYCLOHEXANE	4.666	84	1804	0.19	PPBV		89
54)	2,3-DIMETHYLPENTANE	4.926	71	1103	0.21	PPBV	#	85
55)	TRICHLOROETHENE	5.389	95	2034	0.20	PPBV		96
56)	1,2-DICHLOROPROPANE	5.151	63	1962	0.20	PPBV		98
57)	DIBROMOMETHANE	5.103	174	1906	0.21	PPBV		98
58)	ETHYL ACRYLATE	5.286	55	4793	0.19	PPBV	#	86
59)	BROMODICHLOROMETHANE	5.328	83	3095	0.19	PPBV		95
60)	2,2,4-TRIMETHYLPENTANE	5.489	57	10061	0.20	PPBV	#	97
61)	1,4-DIOXANE	5.505	88	1080	0.21	PPBV	#	44
62)	HEPTANE	5.814	43	4083	0.21	PPBV		98
63)	METHYL METHACRYLATE	5.727	69	1833	0.20	PPBV		97
64)	METHYL ISOBUTYL KETONE	6.512	58	2053	0.20	PPBV		92
65)	CIS-1,3-DICHLOROPROPENE	6.360	75	2516	0.19	PPBV		97
66)	TOLUENE	7.605	91	5539	0.20	PPBV		99
67)	1,3-DICHLOROPROPANE	7.656	76	2614	0.19	PPBV	#	88
68)	TRANS-1,3-DICHLOROPROPENE	7.058	75	2182	0.18	PPBV		93
69)	1,1,2-TRICHLOROETHANE	7.229	83	1525	0.19	PPBV		96
70)	2-HEXANONE	8.232	58	3209	0.21	PPBV	#	96
71)	ETHYL METHACRYLATE	8.335	69	2919	0.19	PPBV	#	88
72)	TETRACHLOROETHENE	9.380	164	2065	0.19	PPBV		97
73)	DIBROMOCHLOROMETHANE	8.155	129	2816	0.18	PPBV		94
74)	1,2-DIBROMOETHANE	8.505	107	2701	0.19	PPBV	#	98
75)	OCTANE	9.521	43	5603	0.20	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.608	131	2250	0.19	PPBV		94
78)	CHLOROBENZENE	10.601	112	4374	0.20	PPBV		98
79)	ETHYLBENZENE	11.495	91	7216	0.20	PPBV		100
80)	M,P-XYLENE	11.933	91	11240	0.40	PPBV		99
81)	O-XYLENE	12.875	91	5666	0.19	PPBV	#	91
82)	STYRENE	12.666	104	3870	0.19	PPBV		97
83)	NONANE	14.000	43	5723	0.20	PPBV		98
84)	BROMOFORM	11.746	173	2329	0.17	PPBV	#	95
85)	1,1,2,2-TETRACHLOROETHANE	12.878	83	3817	0.19	PPBV	#	95
86)	1,2,3-TRICHLOROPROPANE	13.183	75	3113	0.19	PPBV	#	99
88)	ISOPROPYLBENZENE	14.392	120	2095	0.20	PPBV		99
89)	BROMOBENZENE	14.276	77	3944	0.19	PPBV		99
90)	2-CHLOROTOLUENE	15.418	126	1872	0.19	PPBV		94
91)	N-PROPYLBENZENE	15.759	120	1919	0.18	PPBV	#	62
92)	4-ETHYLTOLUENE	16.135	105	6963	0.18	PPBV	#	100
93)	1,3,5-TRIMETHYLBENZENE	16.292	105	6217	0.19	PPBV		96
94)	ALPHA-METHYLSTYRENE	16.498	118	2685	0.17	PPBV		93
95)	TERT-BUTYLBENZENE	16.755	134	1607	0.20	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.762	105	6280	0.19	PPBV		96
97)	BENZYL CHLORIDE	16.849	91	3077	0.15	PPBV	#	86
98)	M-DICHLOROBENZENE	16.820	146	3815	0.18	PPBV		99
99)	P-DICHLOROBENZENE	16.910	146	3837	0.19	PPBV		95
100)	O-DICHLOROBENZENE	17.202	146	3798	0.19	PPBV		98
101)	SEC-BUTYLBENZENE	17.038	134	1987	0.20	PPBV		98
102)	1,2,3-TRIMETHYLBENZENE	17.148	105	6531	0.19	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.218	134	2072	0.19	PPBV		100
104)	N-BUTYLBENZENE	17.566	134	1627	0.17	PPBV		95
105)	HEXACHLOROETHANE	17.743	117	2188	0.18	PPBV		98
106)	HEXACHLOROBUTADIENE	18.781	225	3357	0.19	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.472	180	2071	0.14	PPBV		100
108)	NAPHTHALENE	18.524	128	5088	0.13	PPBV		96
110)	TVHC as equiv Pentane	2.425	TIC	9525	0.20	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03359.D
Acq On : 22 Sep 2023 11:47 am
Operator : thomash
Sample : ic0138-0.20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:07 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

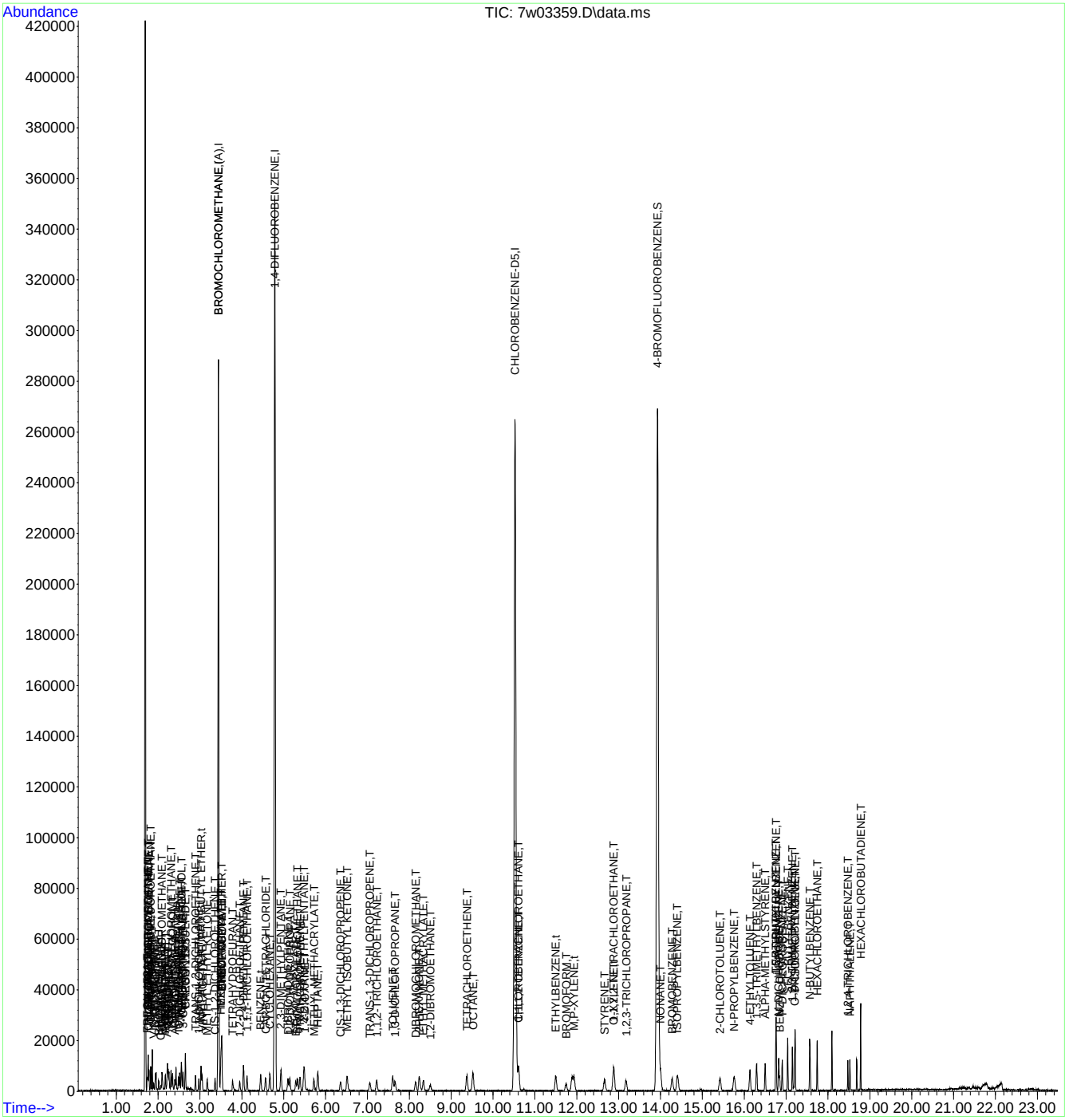
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03359.D
Acq On : 22 Sep 2023 11:47 am
Operator : thomash
Sample : ic0138-0.20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:07 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



Manual Integration Approval Summary

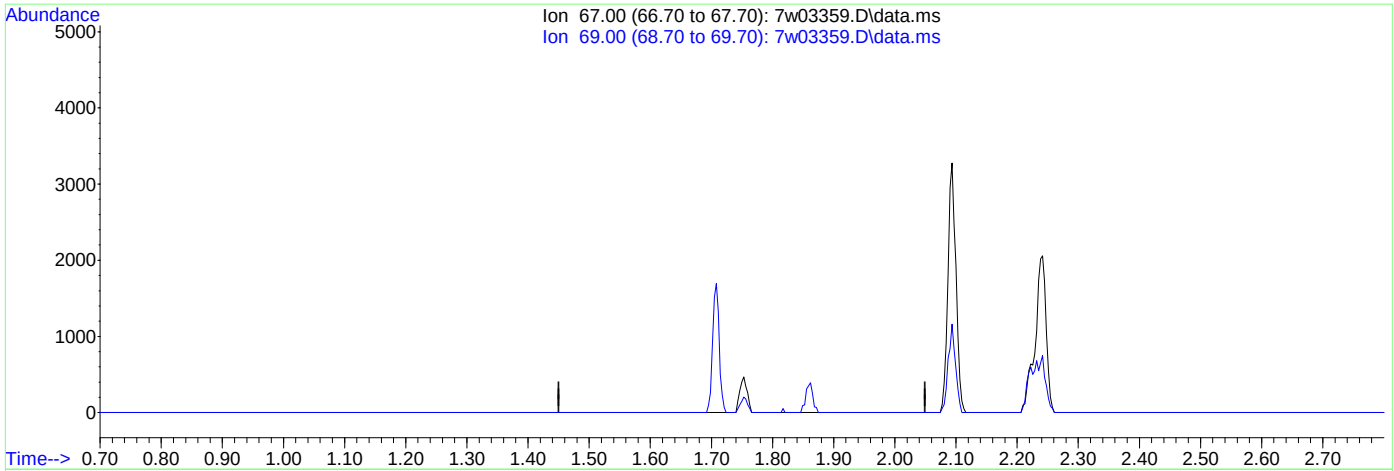
Sample Number: V7W138-IC0138 **Method:** TO-15
Lab FileID: 7W03359.D **Analyst approved:** 09/22/23 15:29 William Cruser
Injection Time: 09/22/23 11:47 **Supervisor approved:** 09/23/23 14:33 Kanya Veerawat

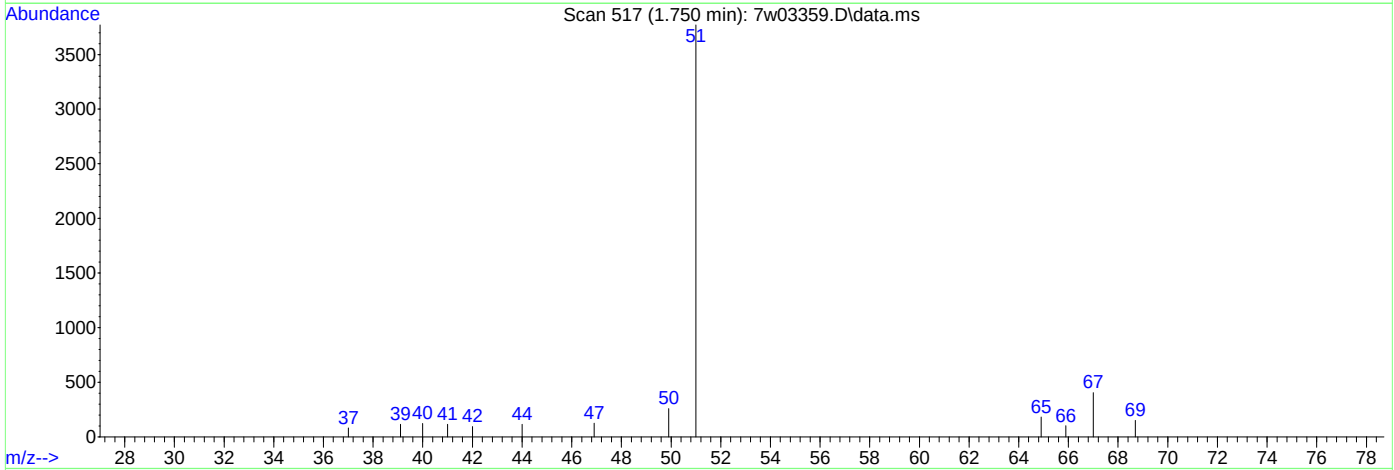
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chlorodifluoromethane	75-45-6		1.75	Missed peak
Vinyl Acetate	108-05-4		3.06	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03359.D
Acq On : 22 Sep 2023 11:47 am
Operator : thomash
Sample : ic0138-0.20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:10:28 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03359.D\data.ms

(4) CHLORODIFLUOROMETHANE (T)

1.750min (-1.750) 0.00PPBV

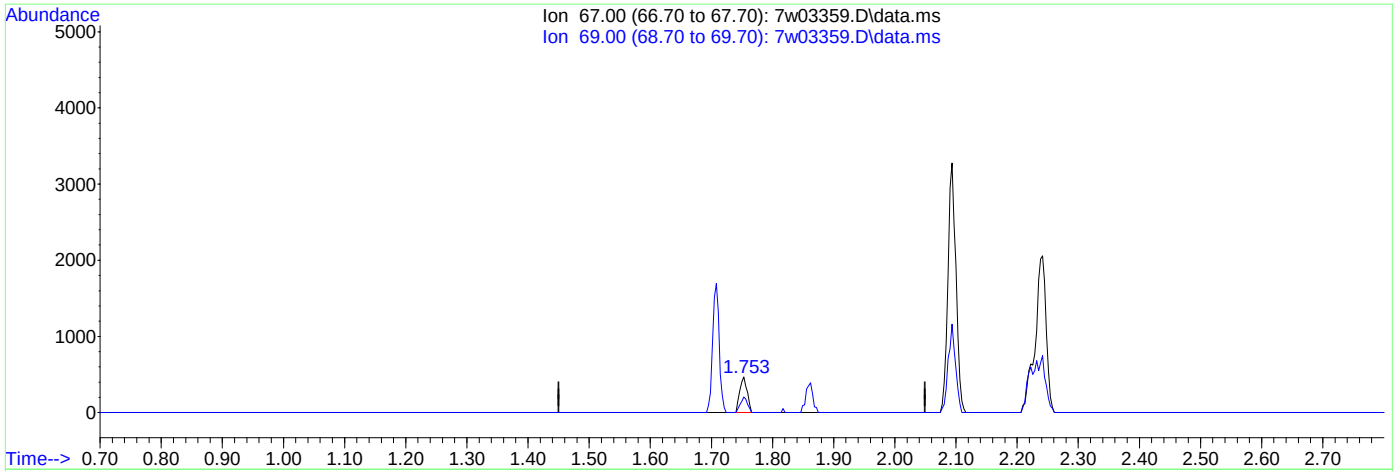
response 0

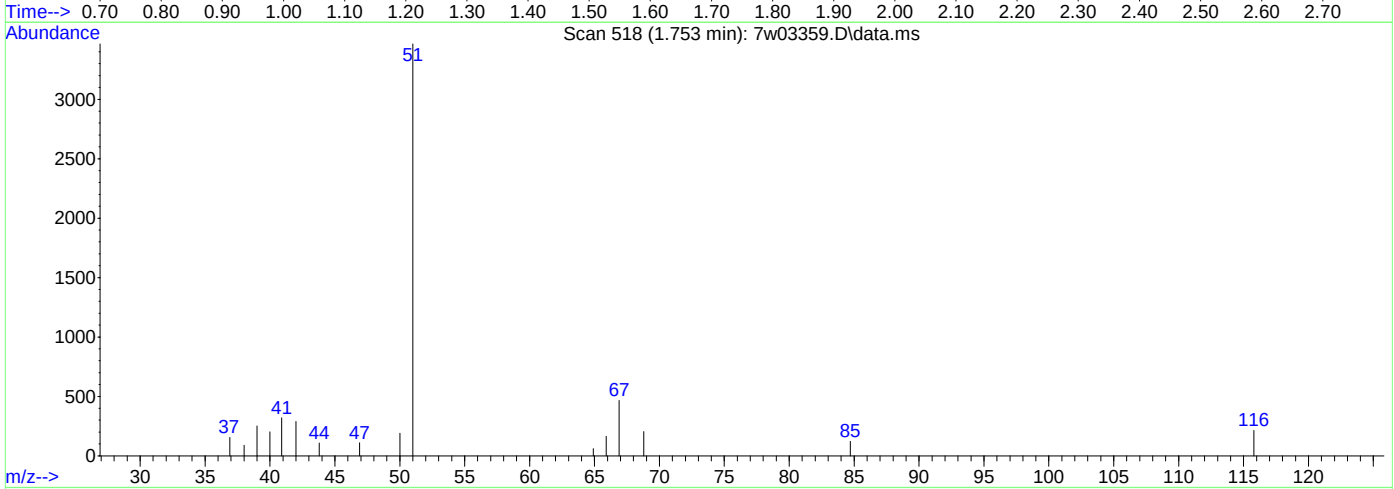
Ion	Exp%	Act%
67.00	100	0.00
69.00	33.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03359.D
Acq On : 22 Sep 2023 11:47 am
Operator : thomash
Sample : ic0138-0.20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:10:28 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03359.D\data.ms

(4) CHLORODIFLUOROMETHANE (T)

1.753min (+0.003) 0.20PPBV m

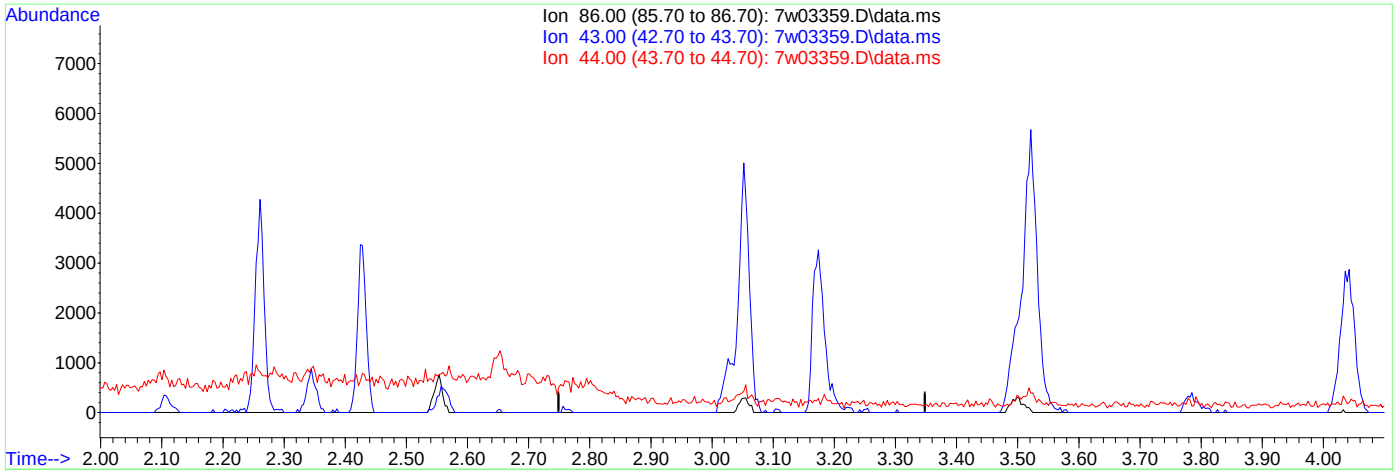
response 392

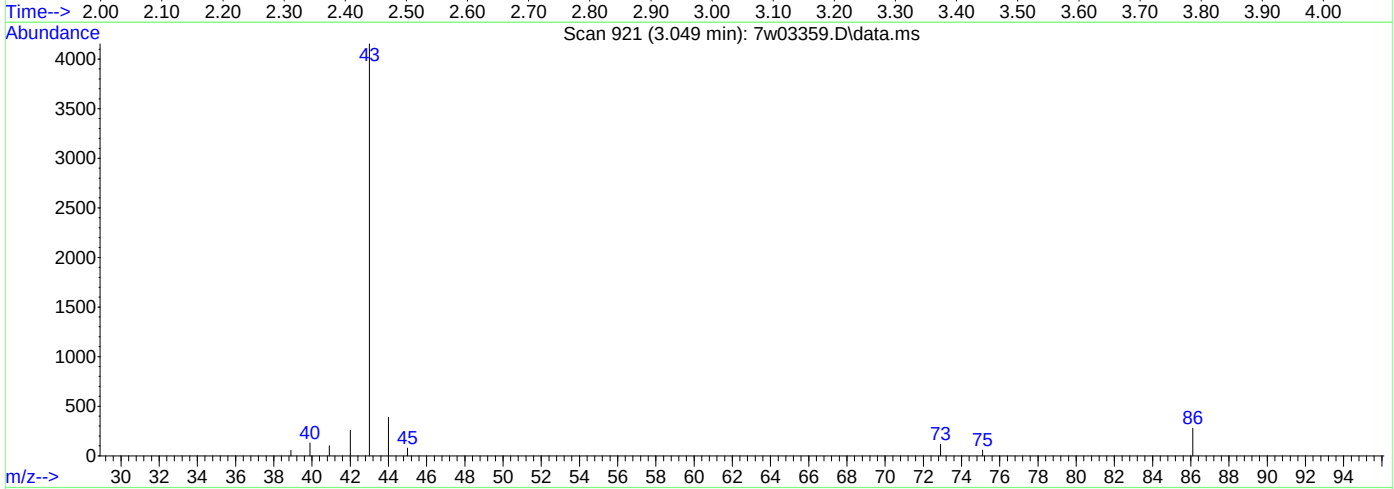
Ion	Exp%	Act%
67.00	100	100
69.00	33.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03359.D
Acq On : 22 Sep 2023 11:47 am
Operator : thomash
Sample : ic0138-0.20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:10:28 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03359.D\data.ms

(39) VINYL ACETATE (T)

3.049min (-3.049) 0.00PPBV

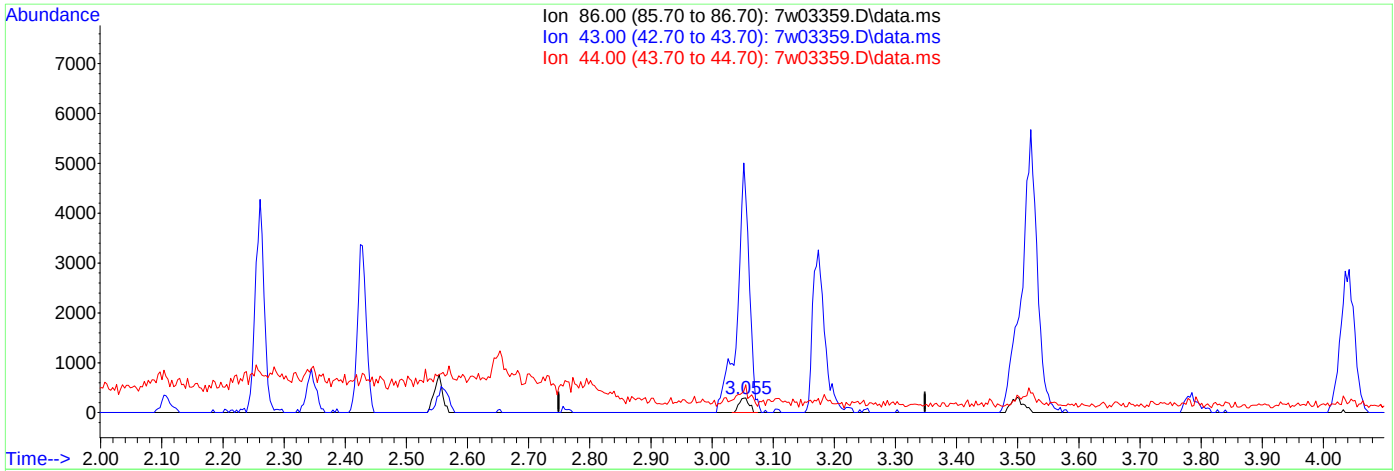
response 0

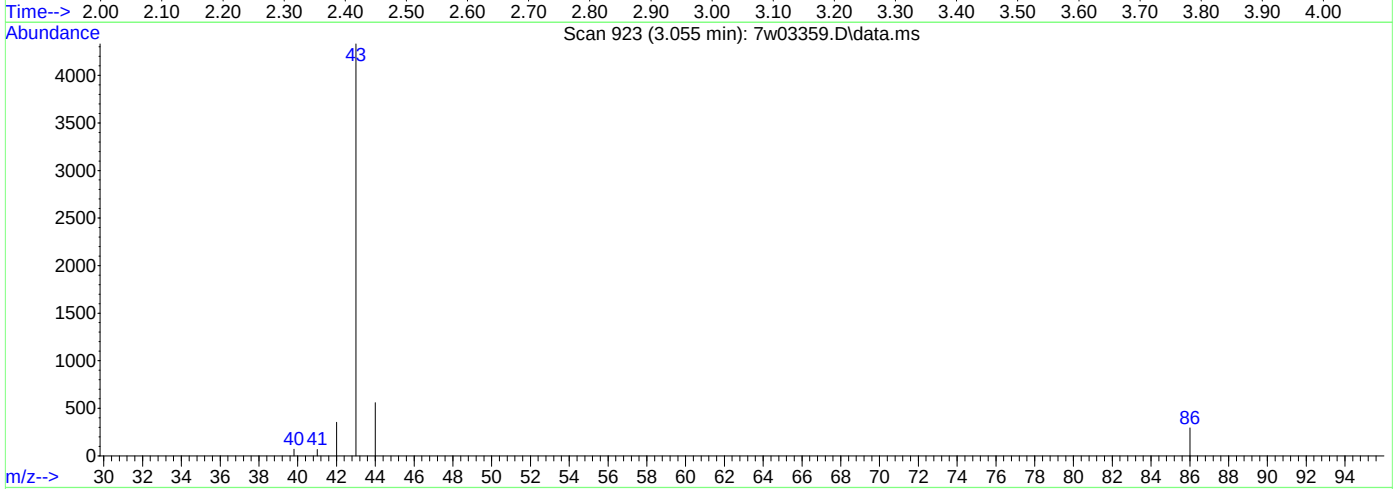
Ion	Exp%	Act%
86.00	100	0.00
43.00	1528.20	0.00#
44.00	77.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03359.D
Acq On : 22 Sep 2023 11:47 am
Operator : thomash
Sample : ic0138-0.20
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:10:28 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration





TIC: 7w03359.D\data.ms

(39) VINYL ACETATE (T)

3.055min (+0.006) 0.18PPBV m

response 337

Ion	Exp%	Act%
86.00	100	100
43.00	1528.20	0.00#
44.00	77.70	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03360.D
Acq On : 22 Sep 2023 12:24 pm
Operator : thomash
Sample : ic0138-0.50
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:16 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.441	128	48285	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.788	114	250087	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.527	117	225774	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.441	128	48285	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.926	95	171251	9.91	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.737	65	2323	0.50	PPBV		97
4) CHLORODIFLUOROMETHANE	1.753	67	977	0.49	PPBV	#	41
5) CHLOROTRIFLUOROETHENE	1.762	116	4631	0.49	PPBV		97
6) DICHLORODIFLUOROMETHANE	1.782	85	10057	0.50	PPBV		98
7) PROPYLENE	1.762	41	3935	0.49	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	7572	0.50	PPBV		99
9) FREON 114	1.859	85	7948	0.50	PPBV		99
10) CHLOROMETHANE	1.827	52	1393	0.52	PPBV		94
11) VINYL CHLORIDE	1.891	62	3859	0.50	PPBV	#	94
12) 1,3-BUTADIENE	1.933	54	3401	0.49	PPBV		95
13) N-BUTANE	1.949	43	7315	0.49	PPBV	#	97
14) BROMOMETHANE	2.013	94	2840	0.50	PPBV	#	95
15) CHLOROETHANE	2.068	64	1927	0.49	PPBV	#	88
16) DICHLOROFLUOROMETHANE	2.094	67	7350	0.49	PPBV		99
17) ACETONITRILE	2.168	41	4830	0.51	PPBV		97
18) ACROLEIN	2.209	56	2111	0.49	PPBV		96
19) FREON 123	2.219	83	7076	0.50	PPBV		99
20) FREON 123A	2.238	117	4106	0.51	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.306	101	8577	0.50	PPBV		97
22) ISOPROPYL ALCOHOL	2.341	45	10359	0.51	PPBV	#	94
23) ACETONE	2.258	58	2896	0.58	PPBV		92
24) PENTANE	2.425	42	4823	0.49	PPBV		95
25) IODOMETHANE	2.486	142	7242	0.49	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.515	96	2834	0.50	PPBV		95
27) CARBON DISULFIDE	2.650	76	7471	0.50	PPBV	#	79
28) ETHANOL	2.103	45	3185	0.58	PPBV	#	93
29) BROMOETHENE	2.174	106	2773	0.51	PPBV		98
30) ACRYLONITRILE	2.399	52	3318	0.49	PPBV		97
31) METHYLENE CHLORIDE	2.553	84	2659	0.51	PPBV		98
32) 3-CHLOROPROPENE	2.595	76	1517	0.50	PPBV		96
33) FREON 113	2.650	151	4557	0.50	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.894	96	3511	0.53	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.557	59	9353	0.50	PPBV		96
36) METHYL TERTIARY BUTYL ...	3.023	73	10491	0.51	PPBV	#	83
37) TETRAHYDROFURAN	3.769	72	1769	0.52	PPBV		98
38) HEXANE	3.495	57	7830	0.52	PPBV		98
39) VINYL ACETATE	3.052	86	886	0.49	PPBV		49
40) 1,1-DICHLOROETHANE	2.975	63	7338	0.50	PPBV		100
41) METHYL ETHYL KETONE	3.167	72	1966	0.52	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.360	96	3650	0.51	PPBV		99
43) DIISOPROPYL ETHER	3.511	59	2305	0.53	PPBV		96
44) ETHYL ACETATE	3.521	61	1462	0.56	PPBV	#	83
45) METHYL ACRYLATE	3.499	55	9761	0.52	PPBV	#	99
46) CHLOROFORM	3.518	83	7485	0.53	PPBV		100
47) 2,4-DIMETHYLPENTANE	4.039	57	8795	0.49	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.122	97	7391	0.50	PPBV		98
49) CARBON TETRACHLORIDE	4.569	117	7541	0.50	PPBV		99
50) 1,2-DICHLOROETHANE	3.952	62	5855	0.51	PPBV	#	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03360.D
Acq On : 22 Sep 2023 12:24 pm
Operator : thomash
Sample : ic0138-0.50
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:16 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.447	78	11020	0.50	PPBV		99
53)	CYCLOHEXANE	4.672	84	4834	0.52	PPBV		98
54)	2,3-DIMETHYLPENTANE	4.939	71	2625	0.51	PPBV	#	95
55)	TRICHLOROETHENE	5.392	95	4920	0.51	PPBV		98
56)	1,2-DICHLOROPROPANE	5.142	63	4897	0.51	PPBV		99
57)	DIBROMOMETHANE	5.106	174	4543	0.52	PPBV		98
58)	ETHYL ACRYLATE	5.283	55	11817	0.50	PPBV		99
59)	BROMODICHLOROMETHANE	5.328	83	7821	0.50	PPBV		94
60)	2,2,4-TRIMETHYLPENTANE	5.482	57	25244	0.52	PPBV		98
61)	1,4-DIOXANE	5.479	88	2332	0.46	PPBV	#	1
62)	HEPTANE	5.820	43	9818	0.51	PPBV		98
63)	METHYL METHACRYLATE	5.714	69	4409	0.50	PPBV		97
64)	METHYL ISOBUTYL KETONE	6.508	58	5019	0.51	PPBV		89
65)	CIS-1,3-DICHLOROPROPENE	6.360	75	6176	0.49	PPBV		98
66)	TOLUENE	7.598	91	13605	0.50	PPBV		99
67)	1,3-DICHLOROPROPANE	7.666	76	6803	0.51	PPBV		98
68)	TRANS-1,3-DICHLOROPROPENE	7.058	75	5440	0.47	PPBV		97
69)	1,1,2-TRICHLOROETHANE	7.222	83	3829	0.50	PPBV		100
70)	2-HEXANONE	8.232	58	7574	0.50	PPBV		99
71)	ETHYL METHACRYLATE	8.338	69	7258	0.50	PPBV		99
72)	TETRACHLOROETHENE	9.370	164	5113	0.49	PPBV		99
73)	DIBROMOCHLOROMETHANE	8.151	129	6955	0.46	PPBV		99
74)	1,2-DIBROMOETHANE	8.505	107	6841	0.51	PPBV	#	98
75)	OCTANE	9.518	43	13654	0.50	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.614	131	5670	0.50	PPBV		96
78)	CHLOROBENZENE	10.601	112	10772	0.51	PPBV		99
79)	ETHYLBENZENE	11.498	91	17517	0.50	PPBV		98
80)	M,P-XYLENE	11.932	91	27672	1.01	PPBV		97
81)	O-XYLENE	12.878	91	14326	0.51	PPBV		97
82)	STYRENE	12.659	104	10052	0.51	PPBV		99
83)	NONANE	14.000	43	14105	0.51	PPBV		99
84)	BROMOFORM	11.743	173	5760	0.43	PPBV		98
85)	1,1,2,2-TETRACHLOROETHANE	12.891	83	9939	0.51	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.167	75	8138	0.51	PPBV	#	99
88)	ISOPROPYLBENZENE	14.399	120	5283	0.51	PPBV		99
89)	BROMOBENZENE	14.280	77	9836	0.49	PPBV		97
90)	2-CHLOROTOLUENE	15.424	126	4809	0.51	PPBV		96
91)	N-PROPYLBENZENE	15.762	120	5325	0.51	PPBV		99
92)	4-ETHYLTOLUENE	16.135	105	18344	0.49	PPBV	#	99
93)	1,3,5-TRIMETHYLBENZENE	16.292	105	16472	0.51	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.495	118	7457	0.48	PPBV		99
95)	TERT-BUTYLBENZENE	16.755	134	4099	0.52	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.762	105	15909	0.49	PPBV		96
97)	BENZYL CHLORIDE	16.849	91	8006	0.39	PPBV		100
98)	M-DICHLOROBENZENE	16.823	146	9944	0.49	PPBV		98
99)	P-DICHLOROBENZENE	16.906	146	9907	0.49	PPBV		99
100)	O-DICHLOROBENZENE	17.202	146	9726	0.50	PPBV		99
101)	SEC-BUTYLBENZENE	17.038	134	4924	0.51	PPBV		96
102)	1,2,3-TRIMETHYLBENZENE	17.151	105	16245	0.50	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.215	134	5382	0.52	PPBV		99
104)	N-BUTYLBENZENE	17.562	134	4538	0.48	PPBV		99
105)	HEXACHLOROETHANE	17.742	117	5688	0.48	PPBV		98
106)	HEXACHLOROBUTADIENE	18.787	225	8528	0.50	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	18.479	180	5258	0.36	PPBV		99
108)	NAPHTHALENE	18.527	128	13618	0.35	PPBV		98
110)	TVHC as equiv Pentane	2.425	TIC	22414	0.48	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03360.D
Acq On : 22 Sep 2023 12:24 pm
Operator : thomash
Sample : ic0138-0.50
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:16 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration

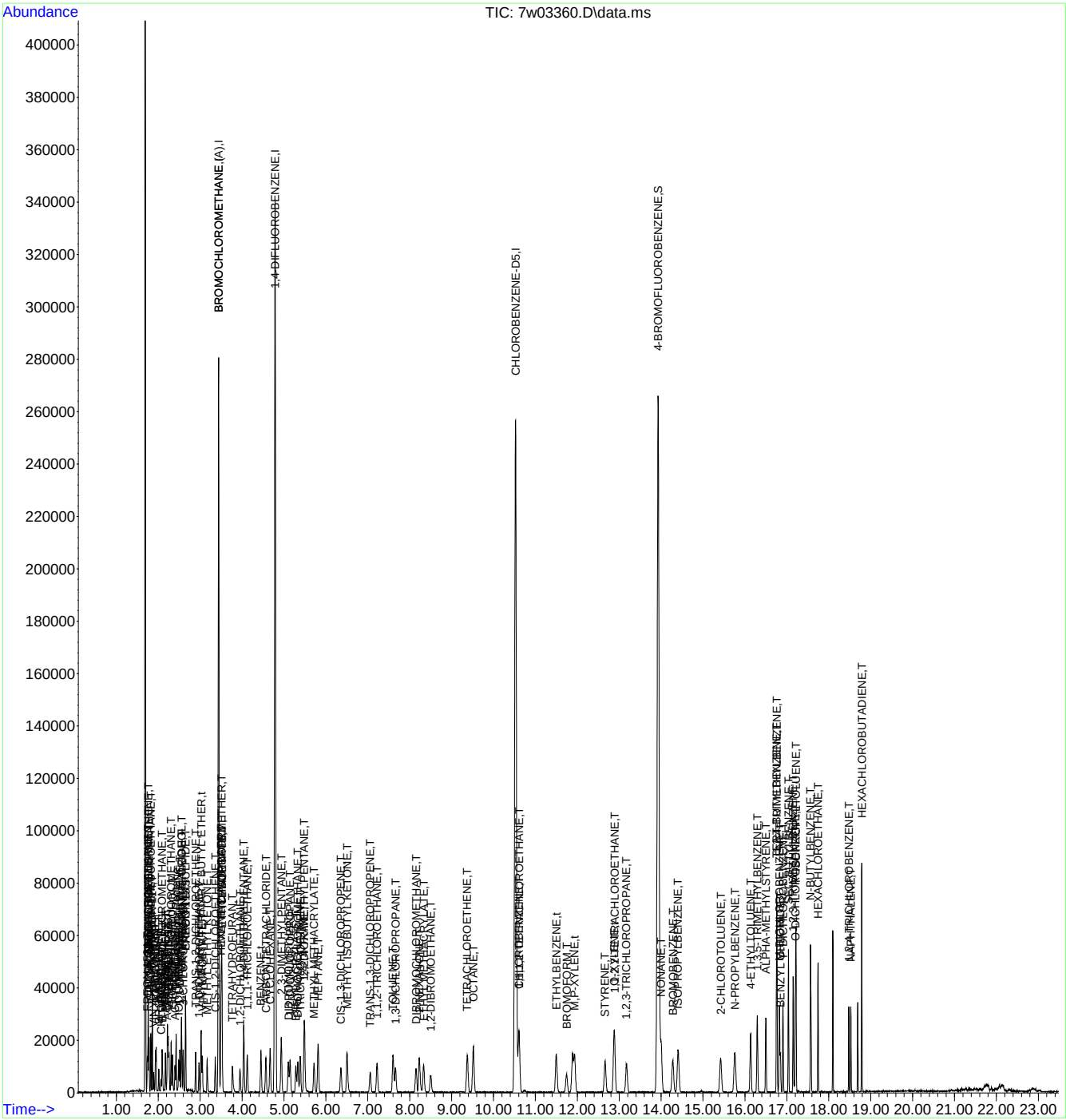
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03360.D
Acq On : 22 Sep 2023 12:24 pm
Operator : thomash
Sample : ic0138-0.50
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 15:15:16 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 14:51:06 2023
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/23/23 14:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03363.D
Acq On : 22 Sep 2023 2:06 pm
Operator : thomash
Sample : icv0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 22 15:20:23 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.441	128	46986	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.792	114	240082	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.524	117	216347	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.441	128	46986	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.929	95	168042	10.16	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.737	65	45567m	10.07	PPBV		
4) CHLORODIFLUOROMETHANE	1.750	67	19437	10.10	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.763	116	95095	10.33	PPBV		94
6) DICHLORODIFLUOROMETHANE	1.782	85	190915	9.78	PPBV		100
7) PROPYLENE	1.763	41	75764	9.71	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.821	65	153357	10.31	PPBV		100
9) FREON 114	1.859	85	150871	9.68	PPBV		99
10) CHLOROMETHANE	1.827	52	25308	9.74	PPBV		98
11) VINYL CHLORIDE	1.895	62	74824	9.98	PPBV		100
12) 1,3-BUTADIENE	1.933	54	66430	9.90	PPBV		99
13) N-BUTANE	1.952	43	141905	9.75	PPBV		100
14) BROMOMETHANE	2.017	94	53346	9.74	PPBV		100
15) CHLOROETHANE	2.068	64	38275	9.93	PPBV		98
16) DICHLOROFLUOROMETHANE	2.094	67	141233	9.62	PPBV		100
17) ACETONITRILE	2.165	41	83240	9.06	PPBV		99
18) ACROLEIN	2.206	56	37024	8.92	PPBV		100
19) FREON 123	2.223	83	140357	10.25	PPBV		98
20) FREON 123A	2.239	117	85784	10.95	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.309	101	165531	9.83	PPBV		100
22) ISOPROPYL ALCOHOL	2.329	45	189031	9.56	PPBV		100
23) ACETONE	2.248	58	40872	8.38	PPBV		99
24) PENTANE	2.428	42	96068	10.06	PPBV		99
25) IODOMETHANE	2.486	142	138790	9.67	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.515	96	54960	9.97	PPBV		99
27) CARBON DISULFIDE	2.653	76	153228	10.50	PPBV		99
28) ETHANOL	2.100	45	41908	7.86	PPBV		98
29) BROMOETHENE	2.174	106	53806	10.07	PPBV		100
30) ACRYLONITRILE	2.396	52	63606	9.68	PPBV		100
31) METHYLENE CHLORIDE	2.551	84	48536	9.56	PPBV		97
32) 3-CHLOROPROPENE	2.596	76	27776	9.50	PPBV		96
33) FREON 113	2.650	151	90073	10.11	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.895	96	66387	10.27	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.534	59	156264	8.52	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.010	73	193928	9.72	PPBV		99
37) TETRAHYDROFURAN	3.743	72	31269	9.43	PPBV		98
38) HEXANE	3.496	57	145385	9.99	PPBV		98
39) VINYL ACETATE	3.049	86	17775	10.08	PPBV		91
40) 1,1-DICHLOROETHANE	2.975	63	139857	9.84	PPBV		100
41) METHYL ETHYL KETONE	3.152	72	35042	9.54	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.361	96	69126	9.93	PPBV		99
43) DIISOPROPYL ETHER	3.502	59	41749	9.91	PPBV		99
44) ETHYL ACETATE	3.505	61	27800	11.00	PPBV		85
45) METHYL ACRYLATE	3.493	55	186367	10.16	PPBV	#	100
46) CHLOROFORM	3.518	83	136716	9.89	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.042	57	169797	9.73	PPBV		100
48) 1,1,1-TRICHLOROETHANE	4.123	97	142379	9.91	PPBV		99
49) CARBON TETRACHLORIDE	4.570	117	150516	10.28	PPBV		99
50) 1,2-DICHLOROETHANE	3.949	62	111070	9.85	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03363.D
Acq On : 22 Sep 2023 2:06 pm
Operator : thomash
Sample : icv0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 22 15:20:23 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) BENZENE	4.451	78	202808	9.48	PPBV	100
53) CYCLOHEXANE	4.669	84	89017	9.91	PPBV	100
54) 2,3-DIMETHYLPENTANE	4.939	71	48060	9.76	PPBV	99
55) TRICHLOROETHENE	5.390	95	91505	9.91	PPBV	100
56) 1,2-DICHLOROPROPANE	5.145	63	92064	9.94	PPBV	100
57) DIBROMOMETHANE	5.100	174	81136	9.66	PPBV	99
58) ETHYL ACRYLATE	5.267	55	229792	10.05	PPBV	100
59) BROMODICHLOROMETHANE	5.332	83	151166	10.05	PPBV	100
60) 2,2,4-TRIMETHYLPENTANE	5.486	57	452983	9.76	PPBV	100
61) 1,4-DIOXANE	5.409	88	46995	9.75	PPBV	97
62) HEPTANE	5.814	43	182959	9.96	PPBV	100
63) METHYL METHACRYLATE	5.708	69	80021	9.42	PPBV	100
64) METHYL ISOBUTYL KETONE	6.473	58	91377	9.64	PPBV	100
65) CIS-1,3-DICHLOROPROPENE	6.357	75	128559	10.57	PPBV	99
66) TOLUENE	7.605	91	248890	9.60	PPBV	100
67) 1,3-DICHLOROPROPANE	7.660	76	126759	9.95	PPBV	99
68) TRANS-1,3-DICHLOROPROPENE	7.058	75	111951	10.17	PPBV	99
69) 1,1,2-TRICHLOROETHANE	7.222	83	71536	9.82	PPBV	99
70) 2-HEXANONE	8.197	58	129680	9.00	PPBV	99
71) ETHYL METHACRYLATE	8.319	69	136708	9.75	PPBV	99
72) TETRACHLOROETHENE	9.377	164	93588	9.36	PPBV	99
73) DIBROMOCHLOROMETHANE	8.155	129	146350	10.18	PPBV	98
74) 1,2-DIBROMOETHANE	8.505	107	128934	9.95	PPBV	100
75) OCTANE	9.518	43	252374	9.65	PPBV	100
77) 1,1,1,2-TETRACHLOROETHANE	10.611	131	108211	9.91	PPBV	98
78) CHLOROBENZENE	10.608	112	199059	9.76	PPBV	100
79) ETHYLBENZENE	11.499	91	335514	9.96	PPBV	100
80) M,P-XYLENE	11.936	91	525627	19.95	PPBV	97
81) O-XYLENE	12.878	91	266456	9.87	PPBV	99
82) STYRENE	12.659	104	194511	10.20	PPBV	99
83) NONANE	14.000	43	265015	9.98	PPBV	99
84) BROMOFORM	11.743	173	134760	10.52	PPBV	99
85) 1,1,2,2-TETRACHLOROETHANE	12.884	83	189175	10.11	PPBV	100
86) 1,2,3-TRICHLOROPROPANE	13.174	75	151032	9.91	PPBV	100
88) ISOPROPYLBENZENE	14.409	120	98025	9.90	PPBV	99
89) BROMOBENZENE	14.277	77	187182	9.78	PPBV	100
90) 2-CHLOROTOLUENE	15.421	126	89108	9.89	PPBV	100
91) N-PROPYLBENZENE	15.762	120	102014	10.26	PPBV	100
92) 4-ETHYLTOLUENE	16.135	105	369987	10.40	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	16.296	105	314129	10.25	PPBV	100
94) ALPHA-METHYLSTYRENE	16.499	118	154030	10.44	PPBV	100
95) TERT-BUTYLBENZENE	16.759	134	76305	10.13	PPBV	98
96) 1,2,4-TRIMETHYLBENZENE	16.765	105	315665	10.22	PPBV	100
97) BENZYL CHLORIDE	16.849	91	212645	10.84	PPBV	99
98) M-DICHLOROBENZENE	16.823	146	198927	10.24	PPBV	100
99) P-DICHLOROBENZENE	16.907	146	196704	10.22	PPBV	100
100) O-DICHLOROBENZENE	17.203	146	187301	10.03	PPBV	99
101) SEC-BUTYLBENZENE	17.039	134	94715	10.26	PPBV	98
102) 1,2,3-TRIMETHYLBENZENE	17.151	105	305046	9.72	PPBV	100
103) P-ISOPROPYLTOLUENE	17.219	134	102829	10.32	PPBV	98
104) N-BUTYLBENZENE	17.563	134	96124	10.55	PPBV	99
105) HEXACHLOROETHANE	17.743	117	117554	10.42	PPBV	99
106) HEXACHLOROBUTADIENE	18.781	225	151776	9.27	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.476	180	135365	9.63	PPBV	99
108) NAPHTHALENE	18.521	128	357676	9.65	PPBV	100
110) TVHC as equiv Pentane	2.428	TIC	439854	9.66	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03363.D
Acq On : 22 Sep 2023 2:06 pm
Operator : thomash
Sample : icv0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 22 15:20:23 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

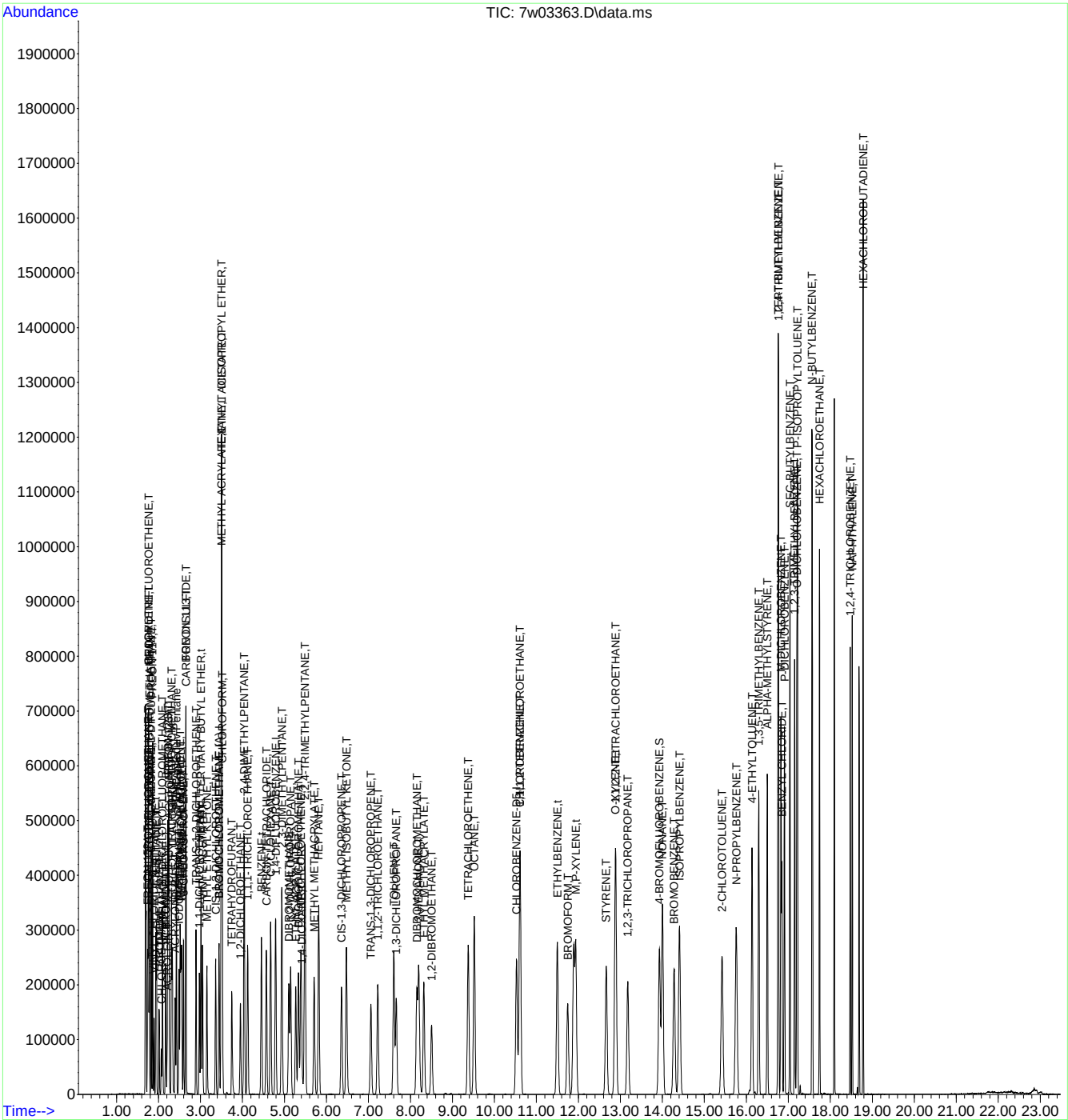
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03363.D
Acq On : 22 Sep 2023 2:06 pm
Operator : thomash
Sample : icv0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 22 15:20:23 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Manual Integration Approval Summary

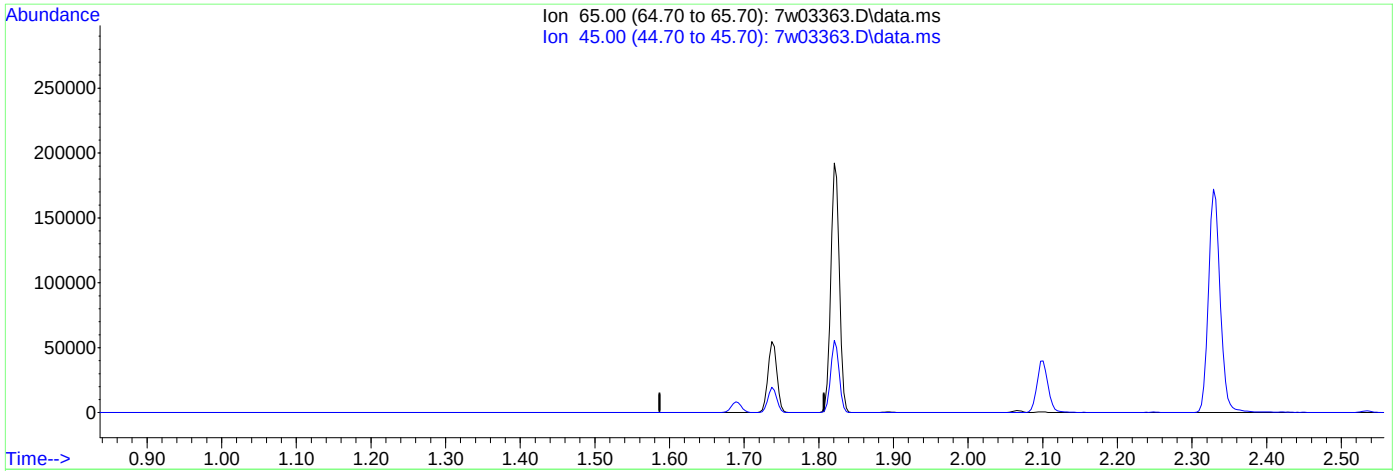
Sample Number:	V7W138-ICV0138	**Method:**	TO-15
Lab FileID:	7W03363.D	**Analyst approved:**	09/22/23 15:29 William Cruser
Injection Time:	09/22/23 14:06	**Supervisor approved:**	09/23/23 14:33 Kanya Veerawat

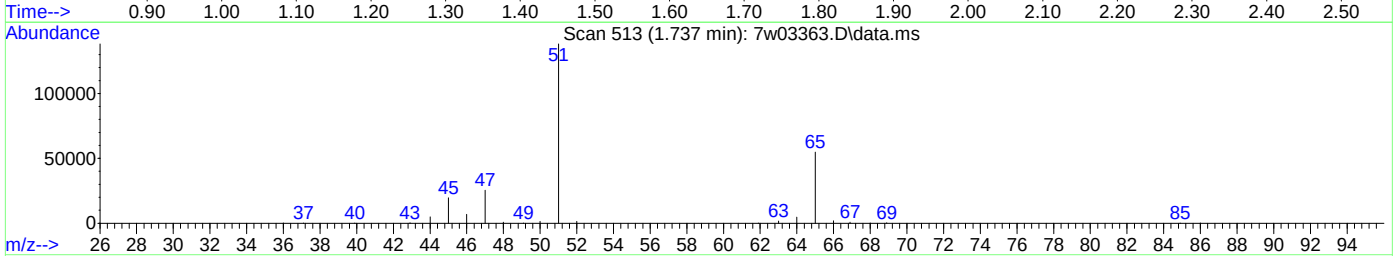
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.74	Missed peak

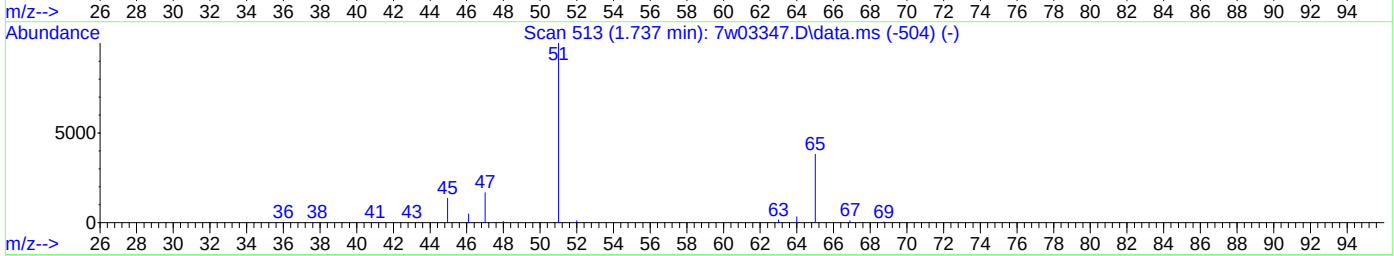
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03363.D
Acq On : 22 Sep 2023 2:06 pm
Operator : thomash
Sample : icv0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 22 15:18:41 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration







TIC: 7w03363.D\data.ms

(3) FREON 152A (T)

1.737min (-1.737) 0.00PPBV

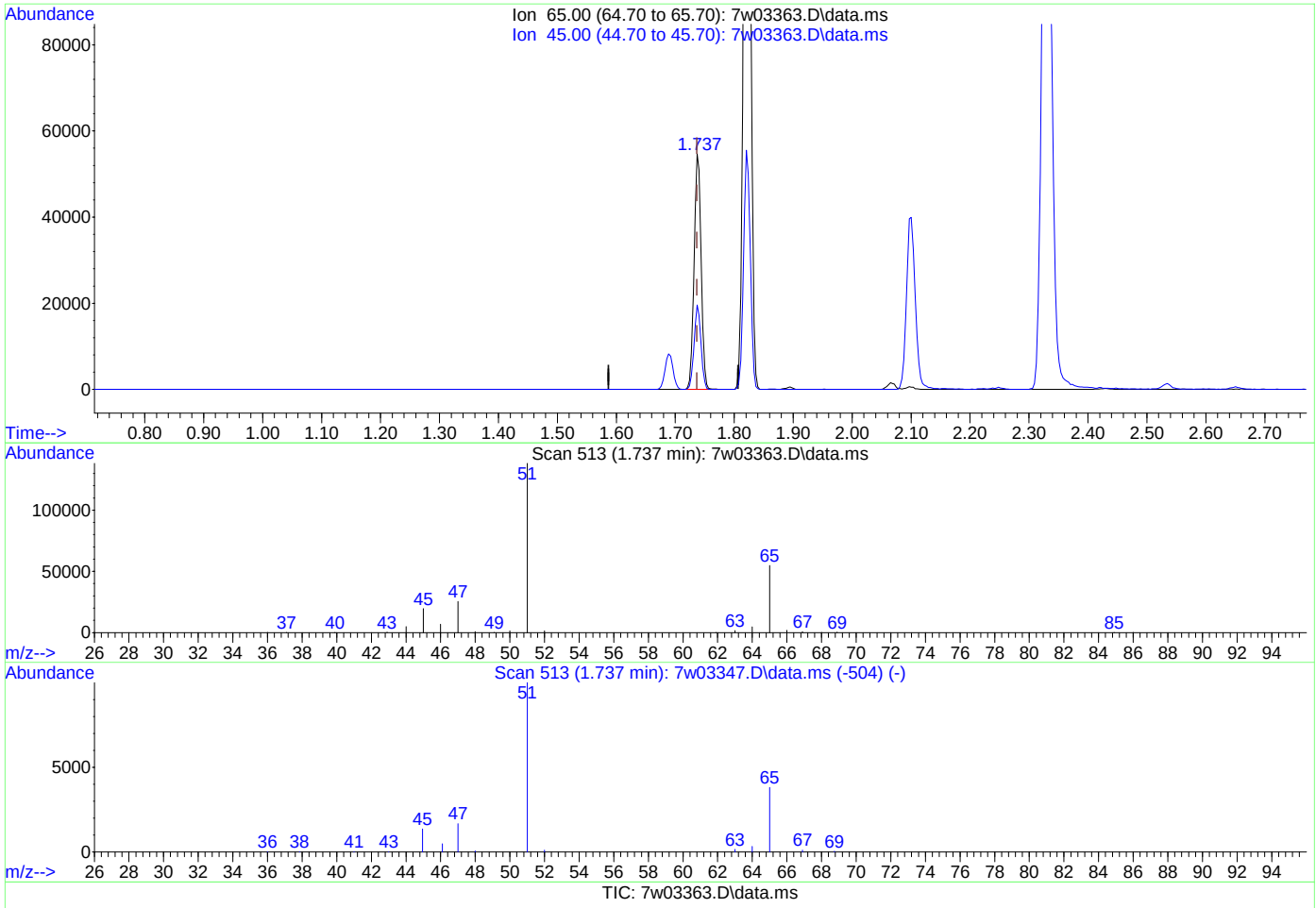
response 0

Ion	Exp%	Act%
65.00	100	0.00
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w03363.D
Acq On : 22 Sep 2023 2:06 pm
Operator : thomash
Sample : icv0138-10
Misc : MS73305,v7w0138,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 22 15:18:41 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



TIC: 7w03363.D\data.ms

(3) FREON 152A (T)

1.737min (+0.000) 10.07PPBV m

response 45567

Ion	Exp%	Act%
65.00	100	100
45.00	35.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03732.D
Acq On : 6 Oct 2023 9:16 am
Operator : taylors
Sample : cc138-10
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:53:59 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.444	128	41869	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.791	114	210856	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.527	117	196259	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.444	128	41869	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.929	95	156666	10.44	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.737	65	40430	10.03	PPBV		91
4) CHLORODIFLUOROMETHANE	1.750	67	19168	11.17	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.762	116	74618	9.09	PPBV		74
6) DICHLORODIFLUOROMETHANE	1.778	85	192806	11.08	PPBV		97
7) PROPYLENE	1.759	41	76440	11.00	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	160105	12.08	PPBV		95
9) FREON 114	1.856	85	155582	11.20	PPBV		92
10) CHLOROMETHANE	1.827	52	28740	12.41	PPBV		94
11) VINYL CHLORIDE	1.891	62	75486	11.30	PPBV		99
12) 1,3-BUTADIENE	1.933	54	71812	12.01	PPBV		88
13) N-BUTANE	1.949	43	168920	13.03	PPBV		97
14) BROMOMETHANE	2.013	94	51465	10.55	PPBV		100
15) CHLOROETHANE	2.065	64	37581	10.94	PPBV		95
16) DICHLOROFLUOROMETHANE	2.094	67	149947	11.46	PPBV		97
17) ACETONITRILE	2.164	41	107843	13.18	PPBV		99
18) ACROLEIN	2.206	56	43310	11.70	PPBV		99
19) FREON 123	2.222	83	134110	10.99	PPBV		99
20) FREON 123A	2.238	117	69181	9.91	PPBV		82
21) TRICHLOROFLUOROMETHANE	2.309	101	164564	10.97	PPBV		100
22) ISOPROPYL ALCOHOL	2.328	45	227027	12.88	PPBV		99
23) ACETONE	2.248	58	42276	9.72	PPBV		73
24) PENTANE	2.428	42	119441	14.04	PPBV		97
25) IODOMETHANE	2.489	142	125392	9.80	PPBV		91
26) 1,1-DICHLOROETHYLENE	2.515	96	52396	10.67	PPBV		87
27) CARBON DISULFIDE	2.653	76	144678	11.13	PPBV	#	91
28) ETHANOL	2.097	45	54985	11.57	PPBV		100
29) BROMOETHENE	2.174	106	49273	10.35	PPBV		98
30) ACRYLONITRILE	2.399	52	73071	12.48	PPBV		99
31) METHYLENE CHLORIDE	2.553	84	49690	10.98	PPBV		77
32) 3-CHLOROPROPENE	2.598	76	27516	10.56	PPBV	#	49
33) FREON 113	2.653	151	81688	10.29	PPBV		92
34) TRANS-1,2-DICHLOROETHENE	2.894	96	61442	10.66	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.534	59	191458	11.72	PPBV		92
36) METHYL TERTIARY BUTYL ...	3.013	73	192896	10.86	PPBV		98
37) TETRAHYDROFURAN	3.746	72	34015	11.51	PPBV		84
38) HEXANE	3.499	57	149882	11.56	PPBV		91
39) VINYL ACETATE	3.052	86	17839	11.36	PPBV		64
40) 1,1-DICHLOROETHANE	2.978	63	144074	11.38	PPBV		100
41) METHYL ETHYL KETONE	3.155	72	35499	10.85	PPBV		74
42) CIS-1,2-DICHLOROETHENE	3.364	96	66623	10.74	PPBV		93
43) DIISOPROPYL ETHER	3.505	59	44560	11.87	PPBV		75
44) ETHYL ACETATE	3.508	61	26611	11.82	PPBV		62
45) METHYL ACRYLATE	3.492	55	200884	12.29	PPBV	#	99
46) CHLOROFORM	3.521	83	144880	11.77	PPBV		97
47) 2,4-DIMETHYLPENTANE	4.042	57	173610	11.17	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.126	97	141355	11.04	PPBV		97
49) CARBON TETRACHLORIDE	4.569	117	143803	11.02	PPBV		99
50) 1,2-DICHLOROETHANE	3.952	62	117956	11.73	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03732.D
Acq On : 6 Oct 2023 9:16 am
Operator : taylors
Sample : cc138-10
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:53:59 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) BENZENE	4.454	78	205320	10.77	PPBV	96
53) CYCLOHEXANE	4.669	84	85982	10.90	PPBV	93
54) 2,3-DIMETHYLPENTANE	4.939	71	48459	11.20	PPBV	91
55) TRICHLOROETHENE	5.389	95	89419	11.02	PPBV	94
56) 1,2-DICHLOROPROPANE	5.148	63	95446	11.73	PPBV	100
57) DIBROMOMETHANE	5.106	174	75040	10.17	PPBV	93
58) ETHYL ACRYLATE	5.270	55	245478	12.23	PPBV	99
59) BROMODICHLOROMETHANE	5.335	83	160017	12.12	PPBV	99
60) 2,2,4-TRIMETHYLPENTANE	5.489	57	470841	11.55	PPBV	99
61) 1,4-DIOXANE	5.409	88	51543	12.18	PPBV	95
62) HEPTANE	5.817	43	208624	12.93	PPBV	93
63) METHYL METHACRYLATE	5.708	69	85093	11.40	PPBV	83
64) METHYL ISOBUTYL KETONE	6.473	58	96387	11.58	PPBV	82
65) CIS-1,3-DICHLOROPROPENE	6.360	75	121331	11.36	PPBV	89
66) TOLUENE	7.605	91	247175	10.86	PPBV	98
67) 1,3-DICHLOROPROPANE	7.666	76	129230	11.55	PPBV	100
68) TRANS-1,3-DICHLOROPROPENE	7.058	75	113227	11.71	PPBV	89
69) 1,1,2-TRICHLOROETHANE	7.219	83	74646	11.67	PPBV	95
70) 2-HEXANONE	8.196	58	140315	11.09	PPBV	83
71) ETHYL METHACRYLATE	8.318	69	141947	11.52	PPBV	88
72) TETRACHLOROETHENE	9.373	164	87064	9.92	PPBV	99
73) DIBROMOCHLOROMETHANE	8.154	129	143415	11.36	PPBV	99
74) 1,2-DIBROMOETHANE	8.505	107	129718	11.40	PPBV	99
75) OCTANE	9.521	43	297695	12.96	PPBV	92
77) 1,1,1,2-TETRACHLOROETHANE	10.614	131	101871	10.28	PPBV	90
78) CHLOROBENZENE	10.608	112	187235	10.12	PPBV	96
79) ETHYLBENZENE	11.498	91	333366	10.91	PPBV	100
80) M,P-XYLENE	11.932	91	520083	21.76	PPBV	98
81) O-XYLENE	12.881	91	269003	10.98	PPBV	99
82) STYRENE	12.662	104	193357	11.18	PPBV	98
83) NONANE	14.000	43	319084	13.25	PPBV	91
84) BROMOFORM	11.749	173	134282	11.55	PPBV	100
85) 1,1,2,2-TETRACHLOROETHANE	12.891	83	205427	12.10	PPBV	99
86) 1,2,3-TRICHLOROPROPANE	13.180	75	160615	11.61	PPBV	100
88) ISOPROPYLBENZENE	14.411	120	93232	10.38	PPBV	91
89) BROMOBENZENE	14.283	77	197368	11.37	PPBV	92
90) 2-CHLOROTOLUENE	15.421	126	84306	10.32	PPBV	100
91) N-PROPYLBENZENE	15.759	120	97116	10.76	PPBV	99
92) 4-ETHYLTOLUENE	16.138	105	367905	11.40	PPBV	99
93) 1,3,5-TRIMETHYLBENZENE	16.296	105	316520	11.39	PPBV	97
94) ALPHA-METHYLSTYRENE	16.501	118	151187	11.29	PPBV	98
95) TERT-BUTYLBENZENE	16.759	134	70747	10.36	PPBV	93
96) 1,2,4-TRIMETHYLBENZENE	16.765	105	326840	11.67	PPBV	94
97) BENZYL CHLORIDE	16.849	91	241078	13.55	PPBV	98
98) M-DICHLOROBENZENE	16.826	146	190662	10.82	PPBV	99
99) P-DICHLOROBENZENE	16.910	146	189374	10.84	PPBV	99
100) O-DICHLOROBENZENE	17.206	146	184928	10.91	PPBV	99
101) SEC-BUTYLBENZENE	17.038	134	87848	10.49	PPBV	80
102) 1,2,3-TRIMETHYLBENZENE	17.151	105	324798	11.41	PPBV	97
103) P-ISOPROPYLTOLUENE	17.218	134	96569	10.69	PPBV	92
104) N-BUTYLBENZENE	17.566	134	90297	10.93	PPBV	73
105) HEXACHLOROETHANE	17.746	117	119780	11.70	PPBV	99
106) HEXACHLOROBUTADIENE	18.787	225	155238	10.46	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.479	180	141279	11.08	PPBV	99
108) NAPHTHALENE	18.527	128	365447	10.87	PPBV	100
110) TVHC as equiv Pentane	2.428	TIC	541041	13.33	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03732.D
Acq On : 6 Oct 2023 9:16 am
Operator : taylors
Sample : cc138-10
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:53:59 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

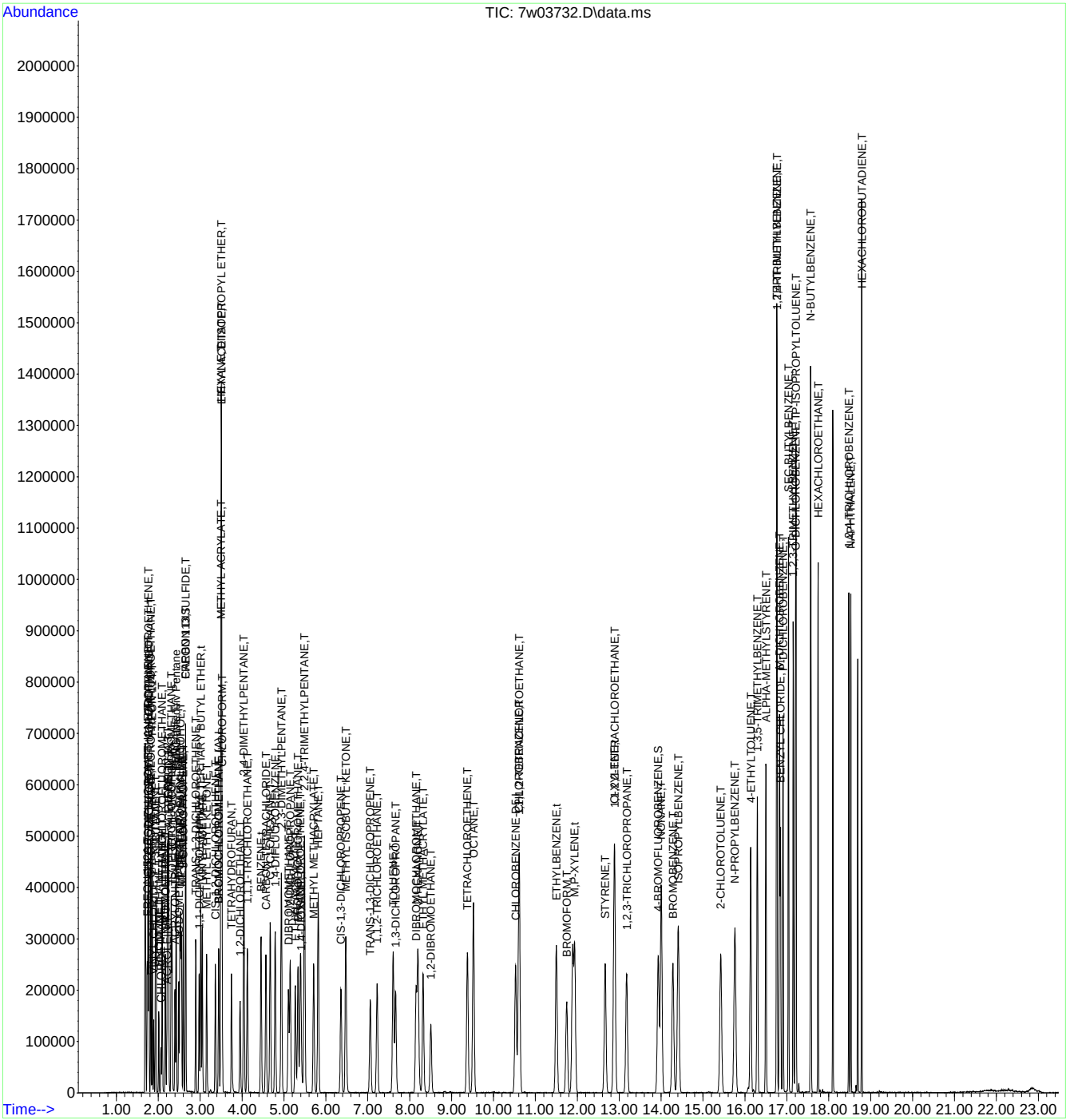
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03732.D
Acq On : 6 Oct 2023 9:16 am
Operator : taylors
Sample : cc138-10
Misc : MS73775,v7w0151,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 14:53:59 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03778.D
Acq On : 7 Oct 2023 2:28 pm
Operator : taylors
Sample : cc138-10
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:26:09 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.444	128	46777	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.792	114	233190	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.528	117	222300	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.444	128	46777	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.929	95	183603	10.80	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	51365	11.40	PPBV		93
4) CHLORODIFLUOROMETHANE	1.753	67	23373	12.19	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.766	116	91471	9.98	PPBV		83
6) DICHLORODIFLUOROMETHANE	1.782	85	221686	11.40	PPBV		97
7) PROPYLENE	1.763	41	97768	12.59	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.824	65	180576	12.19	PPBV		97
9) FREON 114	1.862	85	170263	10.97	PPBV		93
10) CHLOROMETHANE	1.830	52	31894	12.33	PPBV		92
11) VINYL CHLORIDE	1.895	62	86588	11.61	PPBV		100
12) 1,3-BUTADIENE	1.936	54	82240	12.31	PPBV		92
13) N-BUTANE	1.952	43	189130	13.06	PPBV		97
14) BROMOMETHANE	2.017	94	57661	10.58	PPBV		99
15) CHLOROETHANE	2.068	64	41983	10.94	PPBV		93
16) DICHLOROFLUOROMETHANE	2.097	67	165972	11.36	PPBV		97
17) ACETONITRILE	2.168	41	119215	13.04	PPBV		100
18) ACROLEIN	2.210	56	48172	11.65	PPBV		100
19) FREON 123	2.226	83	147885	10.85	PPBV		99
20) FREON 123A	2.245	117	76743	9.84	PPBV		82
21) TRICHLOROFLUOROMETHANE	2.313	101	180450	10.76	PPBV		99
22) ISOPROPYL ALCOHOL	2.335	45	252703	12.83	PPBV		100
23) ACETONE	2.255	58	47804	9.84	PPBV		81
24) PENTANE	2.431	42	125482	13.20	PPBV		98
25) IODOMETHANE	2.493	142	129046	9.03	PPBV		89
26) 1,1-DICHLOROETHYLENE	2.522	96	53341	9.72	PPBV		83
27) CARBON DISULFIDE	2.657	76	145967	10.05	PPBV	#	90
28) ETHANOL	2.104	45	62630	11.79	PPBV		99
29) BROMOETHENE	2.177	106	53143	9.99	PPBV		97
30) ACRYLONITRILE	2.403	52	78927	12.06	PPBV		98
31) METHYLENE CHLORIDE	2.557	84	50170	9.92	PPBV		79
32) 3-CHLOROPROPENE	2.599	76	28329	9.73	PPBV		55
33) FREON 113	2.657	151	84151	9.49	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	2.898	96	71192	11.06	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.538	59	205912	11.28	PPBV		94
36) METHYL TERTIARY BUTYL ...	3.017	73	223588	11.26	PPBV		97
37) TETRAHYDROFURAN	3.750	72	38776	11.74	PPBV		81
38) HEXANE	3.502	57	177054	12.22	PPBV		94
39) VINYL ACETATE	3.052	86	21011	11.97	PPBV		65
40) 1,1-DICHLOROETHANE	2.978	63	168544	11.92	PPBV		99
41) METHYL ETHYL KETONE	3.155	72	41141	11.26	PPBV		72
42) CIS-1,2-DICHLOROETHENE	3.364	96	77564	11.19	PPBV		93
43) DIISOPROPYL ETHER	3.505	59	51657	12.32	PPBV		76
44) ETHYL ACETATE	3.512	61	32128	12.77	PPBV		77
45) METHYL ACRYLATE	3.496	55	236440	12.94	PPBV	#	99
46) CHLOROFORM	3.525	83	163305	11.87	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.046	57	206657	11.90	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.126	97	164667	11.52	PPBV		98
49) CARBON TETRACHLORIDE	4.573	117	162114	11.12	PPBV		99
50) 1,2-DICHLOROETHANE	3.956	62	135014	12.02	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03778.D
Acq On : 7 Oct 2023 2:28 pm
Operator : taylors
Sample : cc138-10
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:26:09 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.454	78	237273	11.14	PPBV	95
53)	CYCLOHEXANE	4.676	84	101843	11.68	PPBV	93
54)	2,3-DIMETHYLPENTANE	4.939	71	55954	11.69	PPBV	88
55)	TRICHLOROETHENE	5.393	95	103219	11.50	PPBV	92
56)	1,2-DICHLOROPROPANE	5.148	63	112299	12.48	PPBV	99
57)	DIBROMOMETHANE	5.107	174	85660	10.50	PPBV	93
58)	ETHYL ACRYLATE	5.271	55	293305	13.21	PPBV	99
59)	BROMODICHLOROMETHANE	5.335	83	183585	12.57	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.489	57	560227	12.42	PPBV	99
61)	1,4-DIOXANE	5.412	88	58316	12.46	PPBV	97
62)	HEPTANE	5.817	43	249581	13.99	PPBV	92
63)	METHYL METHACRYLATE	5.711	69	98918	11.98	PPBV	82
64)	METHYL ISOBUTYL KETONE	6.476	58	114802	12.47	PPBV	84
65)	CIS-1,3-DICHLOROPROPENE	6.361	75	141532	11.98	PPBV	90
66)	TOLUENE	7.608	91	285750	11.35	PPBV	99
67)	1,3-DICHLOROPROPANE	7.666	76	151133	12.22	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	7.058	75	131592	12.31	PPBV	90
69)	1,1,2-TRICHLOROETHANE	7.226	83	85580	12.09	PPBV	97
70)	2-HEXANONE	8.197	58	165451	11.82	PPBV	85
71)	ETHYL METHACRYLATE	8.319	69	165523	12.15	PPBV	87
72)	TETRACHLOROETHENE	9.377	164	97187	10.01	PPBV	98
73)	DIBROMOCHLOROMETHANE	8.155	129	159825	11.45	PPBV	99
74)	1,2-DIBROMOETHANE	8.505	107	145949	11.60	PPBV	100
75)	OCTANE	9.524	43	354288	13.94	PPBV	92
77)	1,1,1,2-TETRACHLOROETHANE	10.618	131	116470	10.38	PPBV	90
78)	CHLOROBENZENE	10.605	112	211971	10.11	PPBV	93
79)	ETHYLBENZENE	11.502	91	387522	11.20	PPBV	98
80)	M,P-XYLENE	11.936	91	604174	22.32	PPBV	100
81)	O-XYLENE	12.881	91	311061	11.21	PPBV	98
82)	STYRENE	12.666	104	217636	11.11	PPBV	97
83)	NONANE	14.003	43	380281	13.94	PPBV	90
84)	BROMOFORM	11.746	173	153852	11.69	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.888	83	233169	12.12	PPBV	99
86)	1,2,3-TRICHLOROPROPANE	13.180	75	185613	11.85	PPBV	100
88)	ISOPROPYLBENZENE	14.408	120	106256	10.45	PPBV	90
89)	BROMOBENZENE	14.283	77	227582	11.58	PPBV	91
90)	2-CHLOROTOLUENE	15.425	126	95518	10.32	PPBV	100
91)	N-PROPYLBENZENE	15.762	120	109012	10.67	PPBV	99
92)	4-ETHYLTOLUENE	16.138	105	418417	11.45	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	16.296	105	348536	11.07	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.498	118	169765	11.19	PPBV	98
95)	TERT-BUTYLBENZENE	16.759	134	77652	10.03	PPBV	93
96)	1,2,4-TRIMETHYLBENZENE	16.765	105	356329	11.23	PPBV	95
97)	BENZYL CHLORIDE	16.849	91	277448	13.76	PPBV	97
98)	M-DICHLOROBENZENE	16.826	146	210504	10.54	PPBV	99
99)	P-DICHLOROBENZENE	16.907	146	209801	10.61	PPBV	99
100)	O-DICHLOROBENZENE	17.203	146	201426	10.49	PPBV	99
101)	SEC-BUTYLBENZENE	17.035	134	96587	10.18	PPBV	82
102)	1,2,3-TRIMETHYLBENZENE	17.148	105	354603	11.00	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.215	134	105838	10.34	PPBV	95
104)	N-BUTYLBENZENE	17.563	134	99880	10.67	PPBV	73
105)	HEXACHLOROETHANE	17.740	117	133017	11.47	PPBV	100
106)	HEXACHLOROBUTADIENE	18.775	225	172235	10.24	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.469	180	163338	11.31	PPBV	98
108)	NAPHTHALENE	18.518	128	411704	10.81	PPBV	100
110)	TVHC as equiv Pentane	2.431	TIC	559562	12.34	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03778.D
Acq On : 7 Oct 2023 2:28 pm
Operator : taylors
Sample : cc138-10
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:26:09 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration

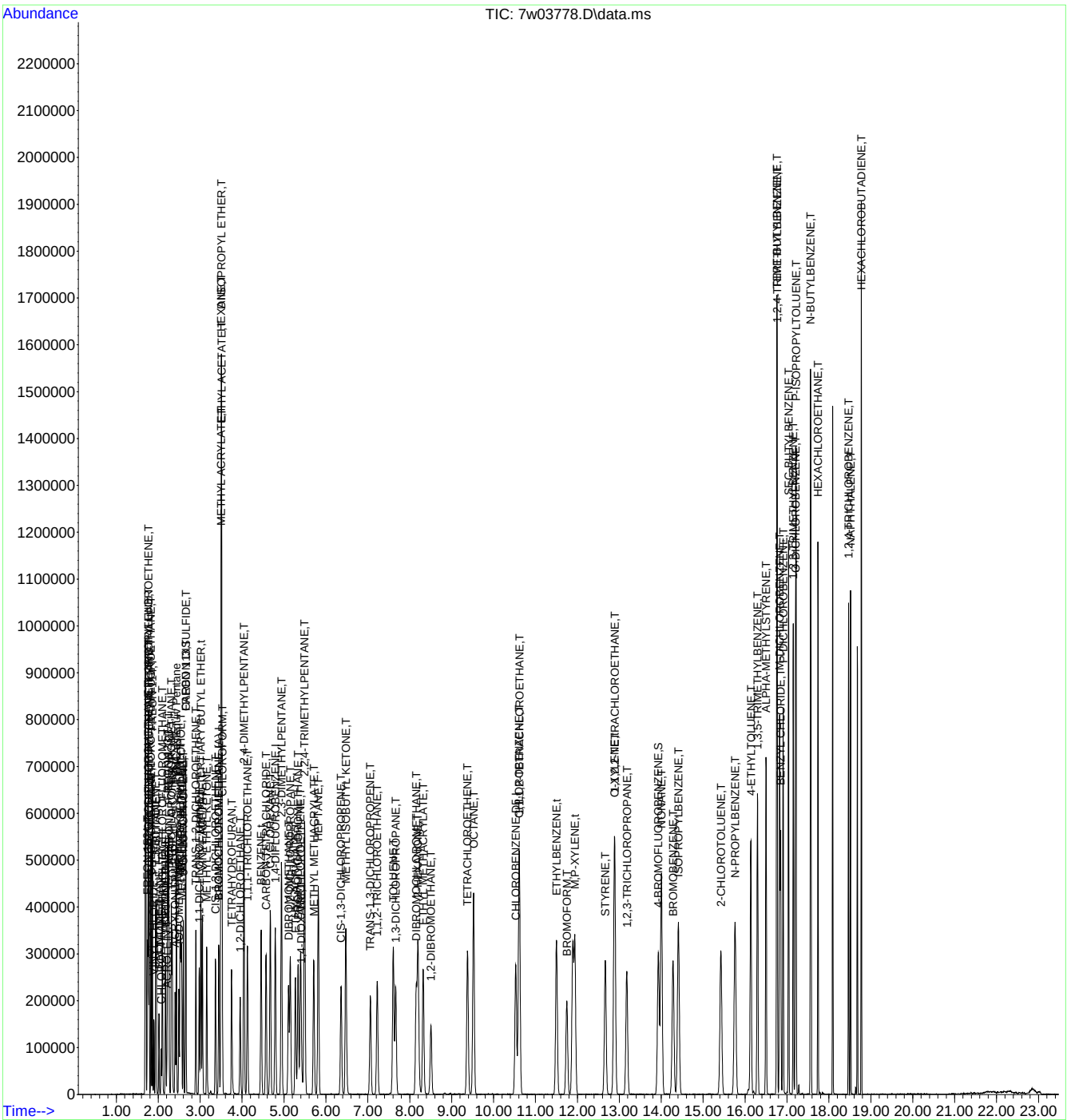
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w03778.D
Acq On : 7 Oct 2023 2:28 pm
Operator : taylors
Sample : cc138-10
Misc : MS73775,v7w0152,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:26:09 2023
Quant Method : C:\msdchem\1\methods\M7W0138.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Sep 22 15:18:28 2023
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/21/23 11:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:35:57 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	160252	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	810611	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.720	117	752498	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	160252	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.153	95	577618	9.92	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	416m	0.04	PPBV		
6) DICHLORODIFLUOROMETHANE	1.783	85	766	0.02	PPBV	#	48
8) 1-CHLORO-1,1-DIFLUOROE...	1.826	65	509	0.02	PPBV	#	57
9) FREON 114	1.856	85	593	0.02	PPBV	#	24
21) TRICHLOROFLUOROMETHANE	2.307	101	732	0.02	PPBV	#	91
25) IODOMETHANE	2.484	142	531	0.02	PPBV	#	26
36) METHYL TERTIARY BUTYL ...	3.039	73	794	0.02	PPBV	#	82
38) HEXANE	3.539	57	608	0.03	PPBV	#	58
40) 1,1-DICHLOROETHANE	2.990	63	658	0.02	PPBV	#	50
42) CIS-1,2-DICHLOROETHENE	3.393	96	382m	0.02	PPBV		
45) METHYL ACRYLATE	3.545	55	595	0.02	PPBV	#	65
46) CHLOROFORM	3.557	83	738	0.02	PPBV	#	84
47) 2,4-DIMETHYLPENTANE	4.100	57	626	0.02	PPBV	#	31
48) 1,1,1-TRICHLOROETHANE	4.185	97	590	0.02	PPBV	#	24
49) CARBON TETRACHLORIDE	4.642	117	538	0.02	PPBV	#	85
50) 1,2-DICHLOROETHANE	4.002	62	516	0.02	PPBV	#	50
51) BENZENE	4.520	78	1243	0.03	PPBV	#	60
53) CYCLOHEXANE	4.746	84	390m	0.02	PPBV		
55) TRICHLOROETHENE	5.496	95	486m	0.02	PPBV		
57) DIBROMOMETHANE	5.197	174	754	0.04	PPBV	#	77
58) ETHYL ACRYLATE	5.392	55	580	0.02	PPBV	#	72
59) BROMODICHLOROMETHANE	5.435	83	643	0.02	PPBV	#	18
60) 2,2,4-TRIMETHYLPENTANE	5.587	57	1828	0.02	PPBV	#	95
62) HEPTANE	5.929	43	527	0.02	PPBV	#	18
66) TOLUENE	7.752	91	1267	0.02	PPBV		98
67) 1,3-DICHLOROPROPANE	7.812	76	575	0.02	PPBV	#	50
72) TETRACHLOROETHENE	9.568	164	564	0.02	PPBV	#	7
74) 1,2-DIBROMOETHANE	8.678	107	600	0.02	PPBV	#	97
75) OCTANE	9.708	43	695	0.02	PPBV	#	25
78) CHLOROBENZENE	10.800	112	1153	0.02	PPBV	#	29
79) ETHYLBENZENE	11.696	91	1528	0.02	PPBV	#	43
80) M,P-XYLENE	12.147	91	2403	0.04	PPBV	#	86
81) O-XYLENE	13.098	91	1128	0.02	PPBV	#	78
82) STYRENE	12.873	104	804	0.02	PPBV	#	31
83) NONANE	14.214	43	916	0.02	PPBV	#	6
85) 1,1,2,2-TETRACHLOROETHANE	13.098	83	987	0.02	PPBV	#	95
86) 1,2,3-TRICHLOROPROPANE	13.397	75	778	0.02	PPBV	#	99
89) BROMOBENZENE	14.500	77	887	0.02	PPBV		94
92) 4-ETHYLTOLUENE	16.268	105	1549	0.02	PPBV	#	49
93) 1,3,5-TRIMETHYLBENZENE	16.402	105	1350	0.02	PPBV	#	92
94) ALPHA-METHYLSTYRENE	16.585	118	605	0.02	PPBV	#	13
96) 1,2,4-TRIMETHYLBENZENE	16.829	105	1364	0.02	PPBV		97
98) M-DICHLOROBENZENE	16.884	146	1080	0.02	PPBV	#	71
99) P-DICHLOROBENZENE	16.963	146	1055	0.02	PPBV	#	68
100) O-DICHLOROBENZENE	17.232	146	1039	0.02	PPBV	#	67
102) 1,2,3-TRIMETHYLBENZENE	17.183	105	1335	0.02	PPBV	#	93
106) HEXACHLOROBUTADIENE	18.682	225	1022	0.03	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.408	180	1049	0.02	PPBV	#	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:35:57 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

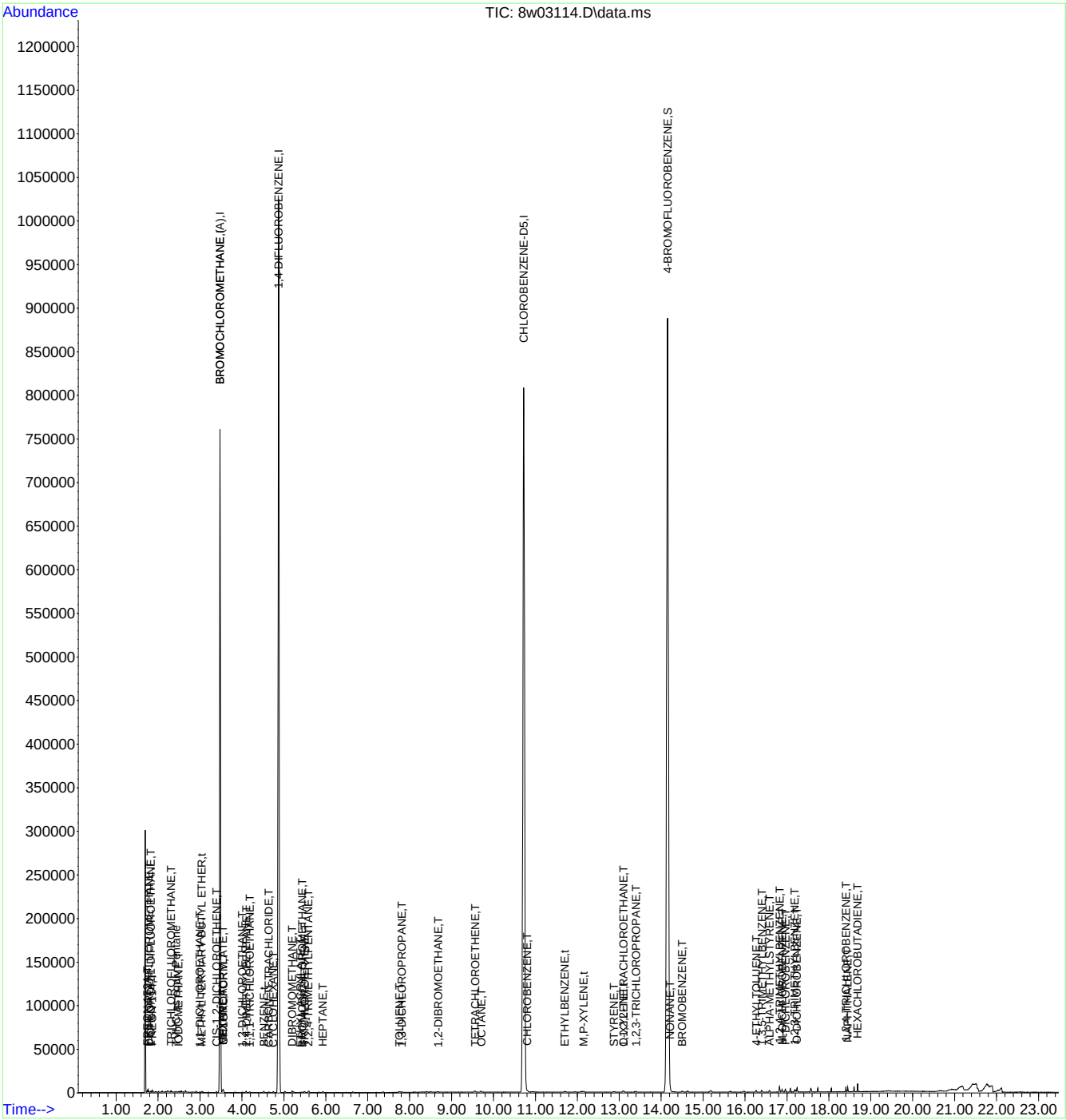
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) NAPHTHALENE	18.451	128	2324	0.02	PPBV #	69
110) TVHC as equiv Pentane	2.429	TIC	1164m	0.03	PPBV	

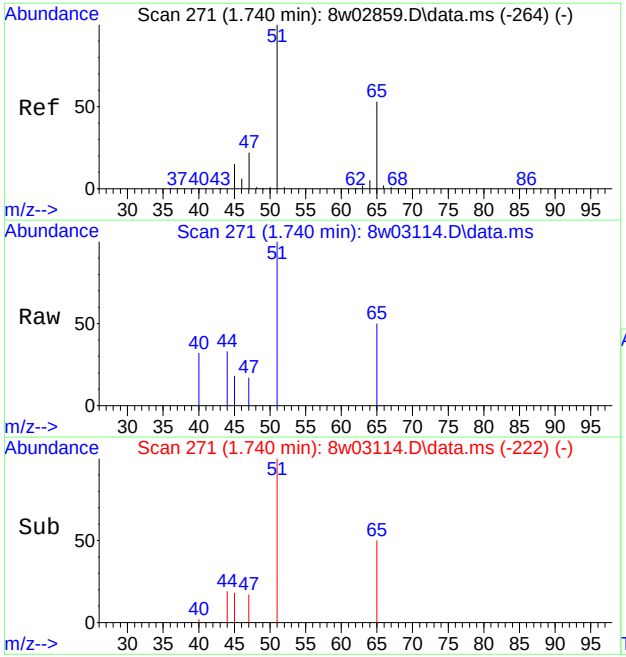
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:35:57 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

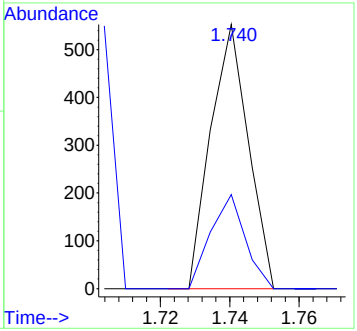


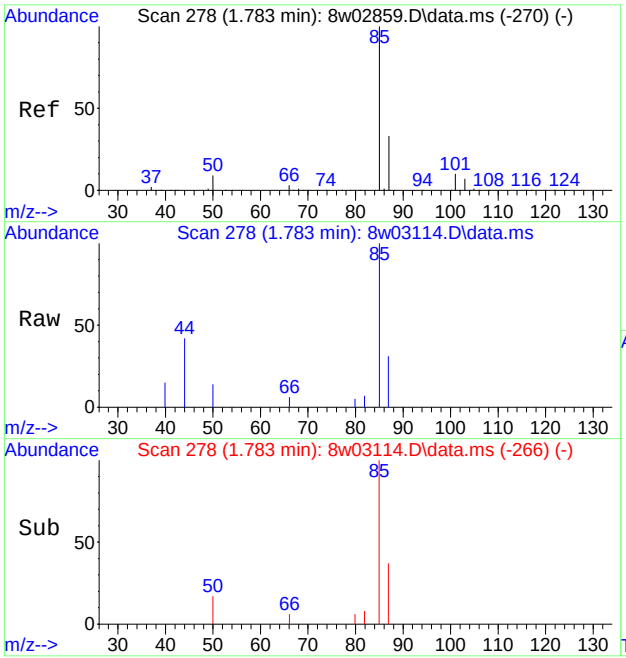


#3
FREON 152A
Concen: 0.04 PPBV m
RT: 1.740 min Scan# 271
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 65 Resp: 416

Ion	Ratio	Lower	Upper
65	100		
45	0.0	21.5	32.3#

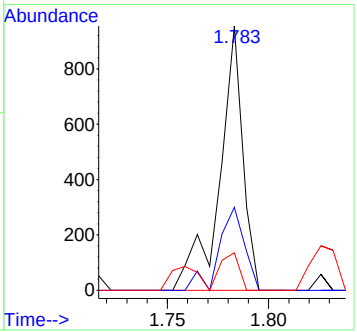


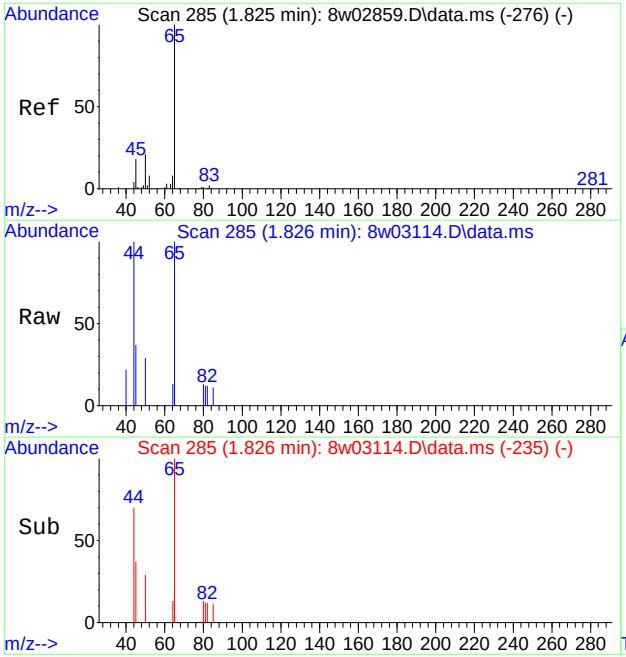


#6
DICHLORODIFLUOROMETHANE
Concen: 0.02 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 85 Resp: 766

Ion	Ratio	Lower	Upper
85	100		
87	0.0	26.3	39.5#
50	0.0	13.8	20.6#

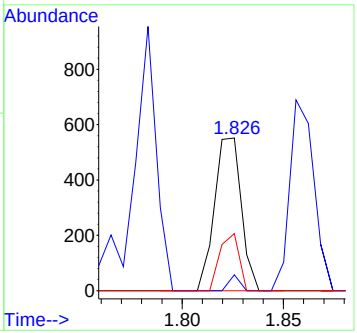


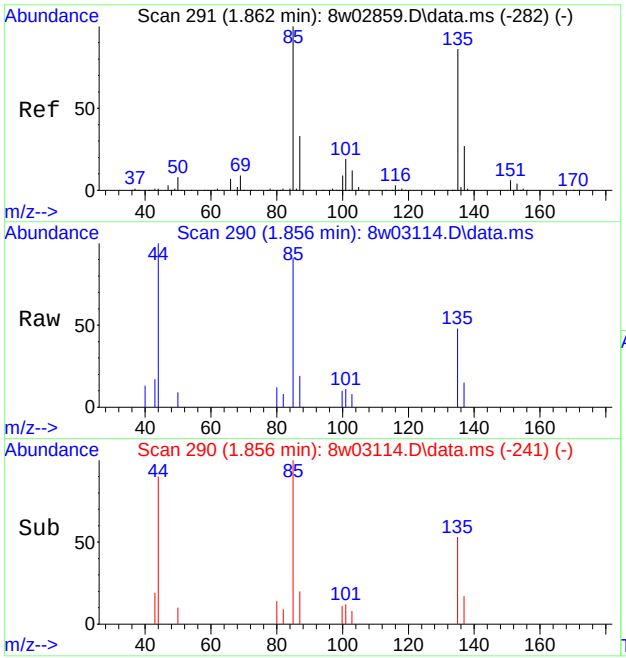


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.02 PPBV
RT: 1.826 min Scan# 285
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 65 Resp: 509

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	0.0	15.9	23.9#

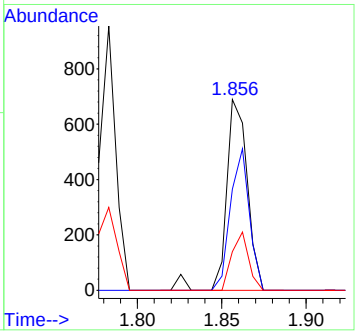


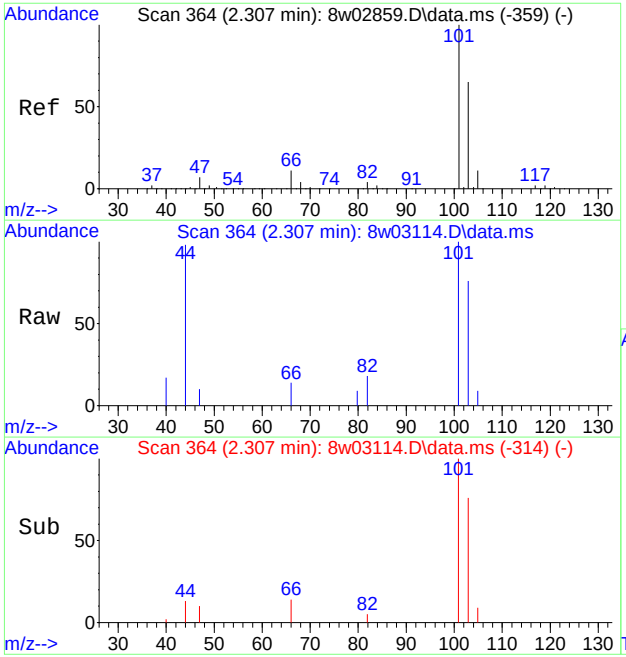


#9
FREON 114
Concen: 0.02 PPBV
RT: 1.856 min Scan# 290
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 85 Resp: 593

Ion	Ratio	Lower	Upper
85	100		
135	0.0	54.9	82.3#
87	0.0	25.8	38.8#

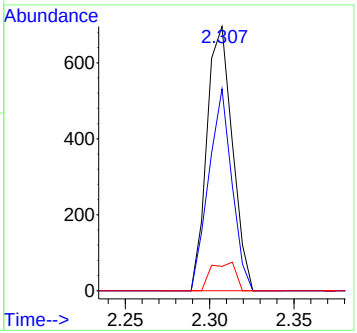


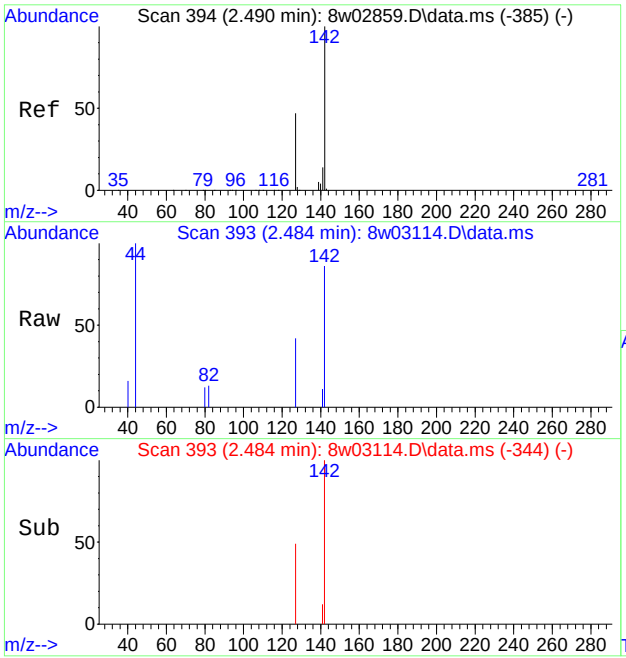


#21
TRICHLOROFLUOROMETHANE
Concen: 0.02 PPBV
RT: 2.307 min Scan# 364
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:101 Resp: 732

Ion	Ratio	Lower	Upper
101	100		
103	69.7	52.0	78.0
105	0.0	8.3	12.5#

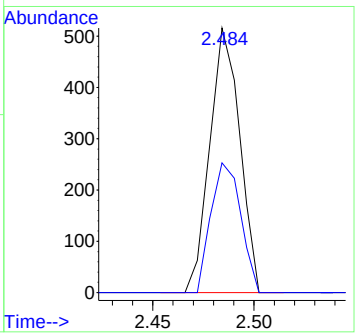


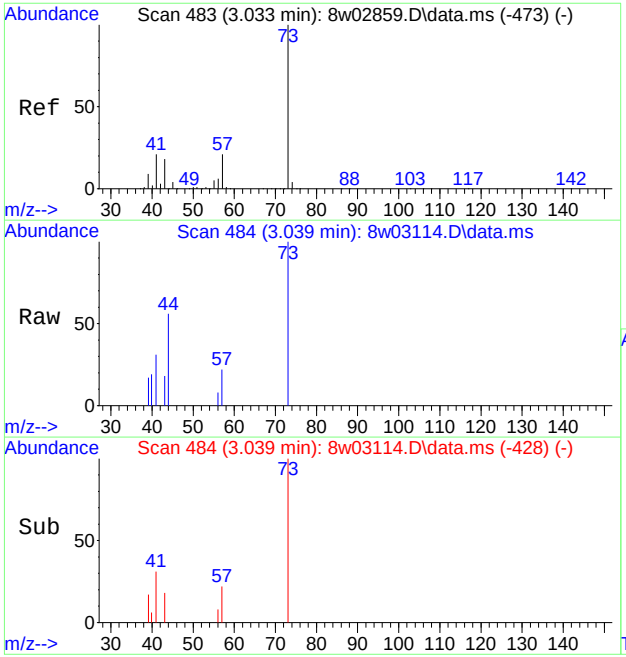


#25
IODOMETHANE
Concen: 0.02 PPBV
RT: 2.484 min Scan# 393
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:142 Resp: 531

Ion	Ratio	Lower	Upper
142	100		
127	0.0	41.2	61.8#

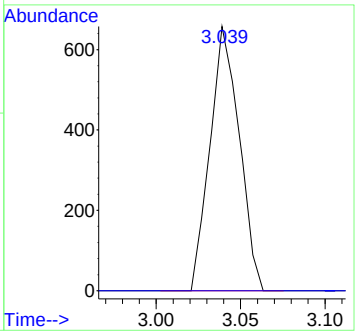


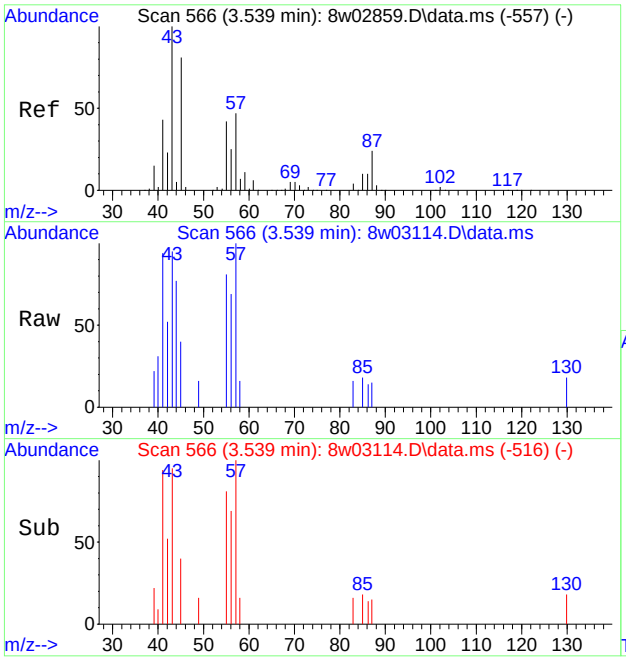


#36
METHYL TERTIARY BUTYL ETHER
Concen: 0.02 PPBV
RT: 3.039 min Scan# 484
Delta R.T. 0.012 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 73 Resp: 794

Ion	Ratio	Lower	Upper
73	100		
45	0.0	4.7	7.1#

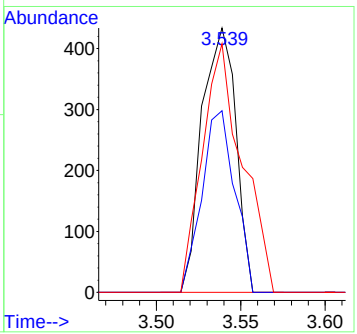


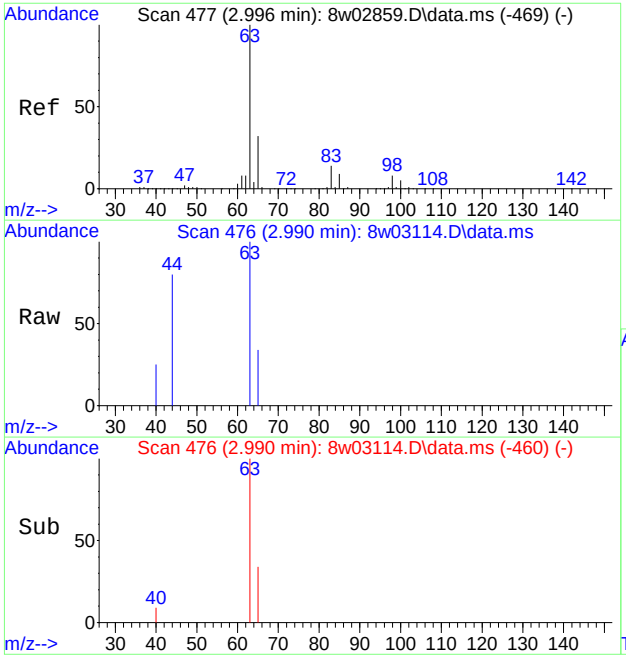


#38
HEXANE
Concen: 0.03 PPBV
RT: 3.539 min Scan# 566
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 57 Resp: 608

Ion	Ratio	Lower	Upper
57	100		
56	0.0	43.8	65.8#
41	110.0	72.2	108.4#

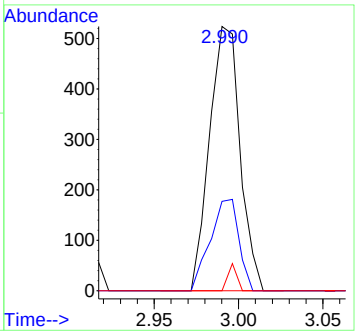


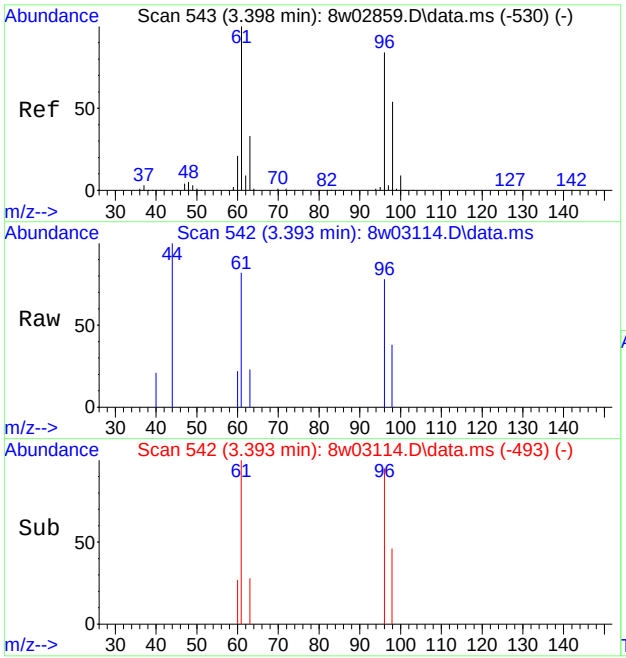


#40
1,1-DICHLOROETHANE
Concen: 0.02 PPBV
RT: 2.990 min Scan# 476
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 63 Resp: 658

Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#
83	0.0	10.5	15.7#

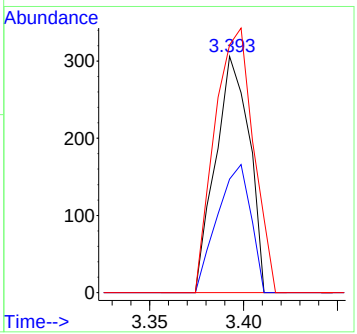


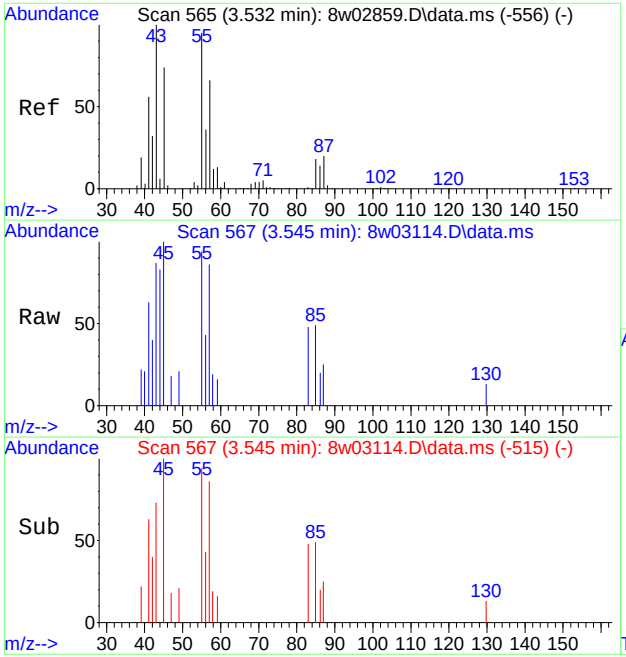


#42
CIS-1,2-DICHLOROETHENE
Concen: 0.02 PPBV m
RT: 3.393 min Scan# 542
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 96 Resp: 382

Ion	Ratio	Lower	Upper
96	100		
98	0.0	50.9	76.3#
61	0.0	109.1	163.7#

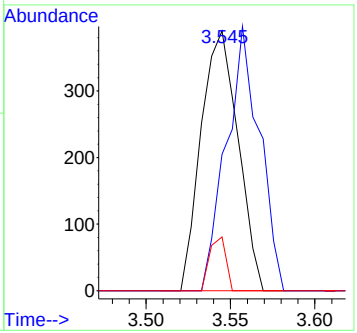


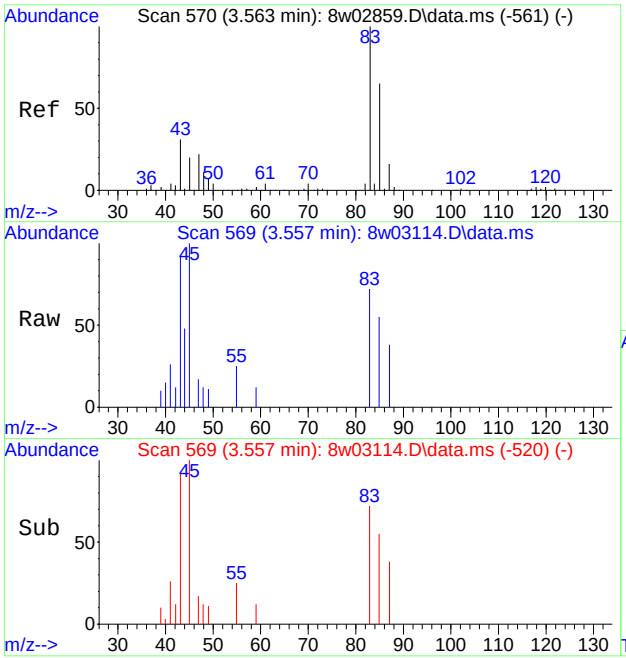


#45
METHYL ACRYLATE
Concen: 0.02 PPBV
RT: 3.545 min Scan# 567
Delta R.T. 0.018 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 55 Resp: 595

Ion	Ratio	Lower	Upper
55	100		
85	91.4	0.0	0.0#
58	0.0	11.5	17.3#

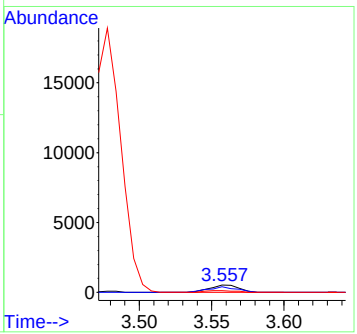


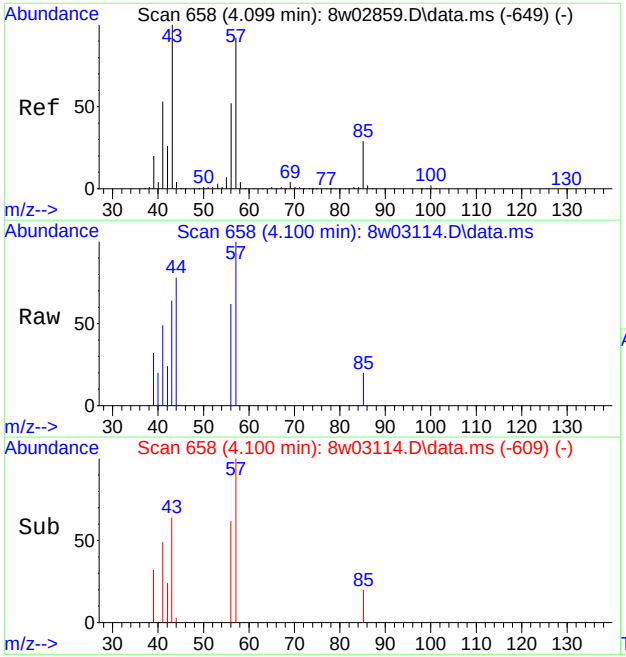


#46
CHLOROFORM
Concen: 0.02 PPBV
RT: 3.557 min Scan# 569
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 83 Resp: 738

Ion	Ratio	Lower	Upper
83	100		
85	73.7	63.4	95.2
47	0.0	18.5	27.7#

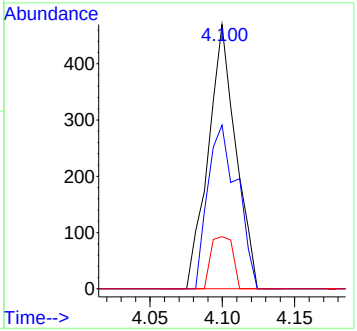


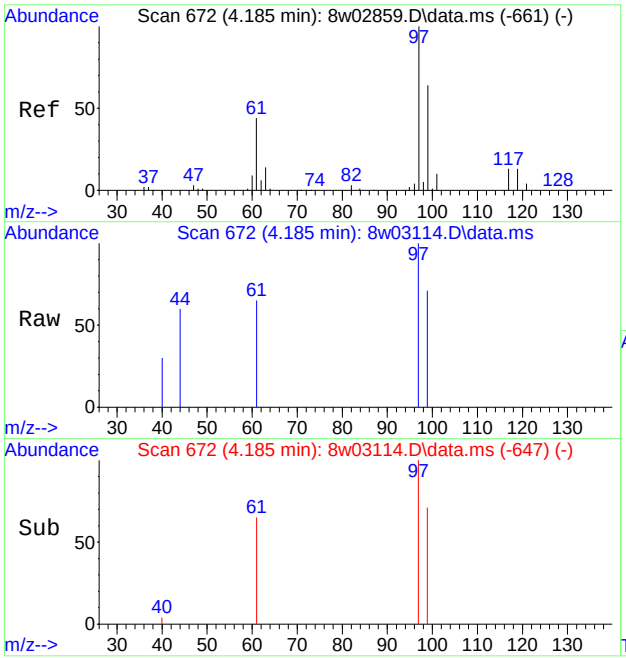


#47
2,4-DIMETHYLPENTANE
Concen: 0.02 PPBV
RT: 4.100 min Scan# 658
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 57 Resp: 626

Ion	Ratio	Lower	Upper
57	100		
56	0.0	44.2	66.4#
85	0.0	22.3	33.5#

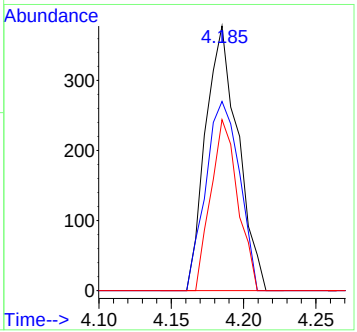


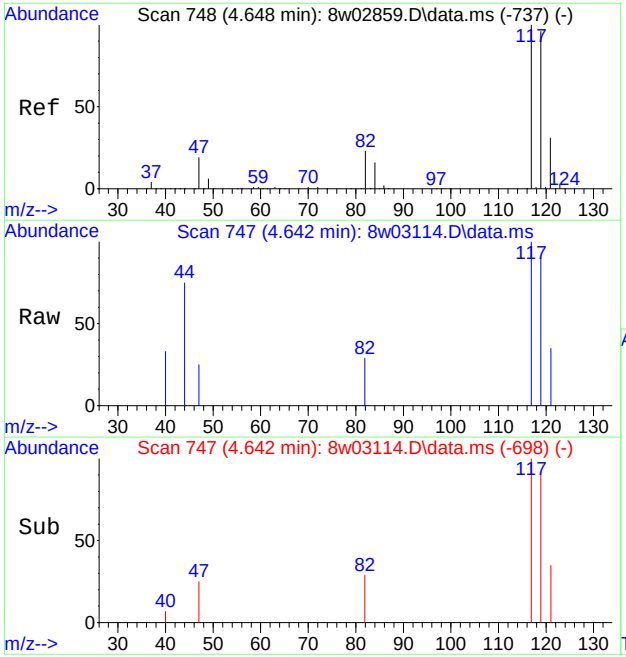


#48
1,1,1-TRICHLOROETHANE
Concen: 0.02 PPBV
RT: 4.185 min Scan# 672
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 97 Resp: 590

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	0.0	35.8	53.6#

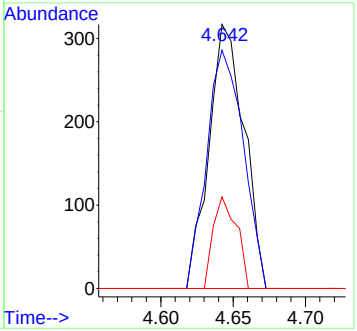


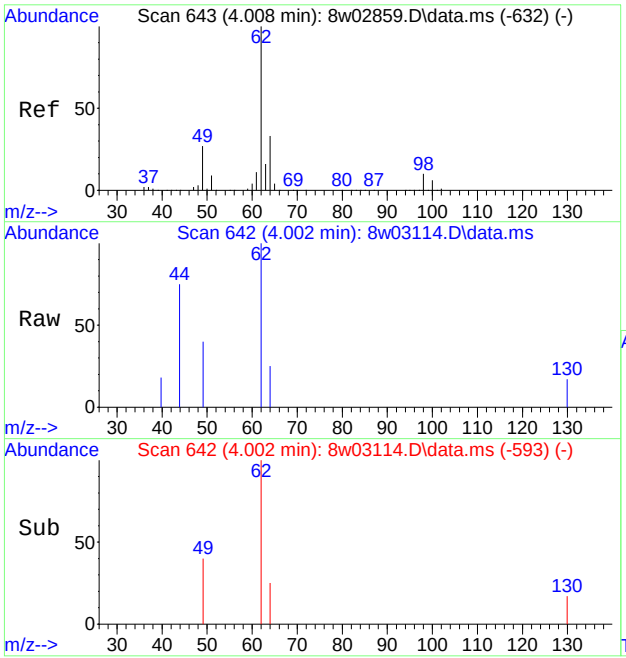


#49
CARBON TETRACHLORIDE
Concen: 0.02 PPBV
RT: 4.642 min Scan# 747
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:117 Resp: 538

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.2	114.2
121	0.0	24.4	36.6#

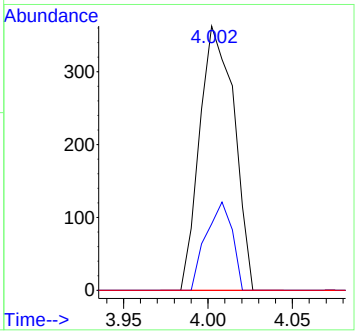


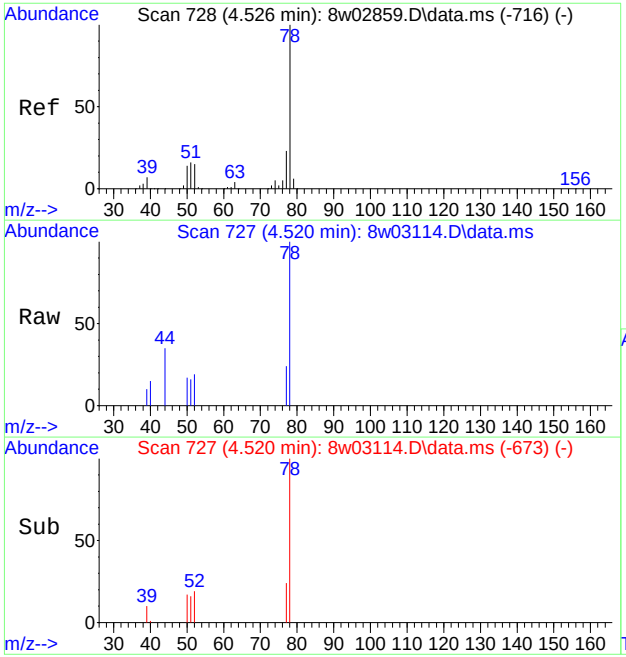


#50
1,2-DICHLOROETHANE
Concen: 0.02 PPBV
RT: 4.002 min Scan# 642
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 62 Resp: 516

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.6	38.4#
98	0.0	7.1	10.7#

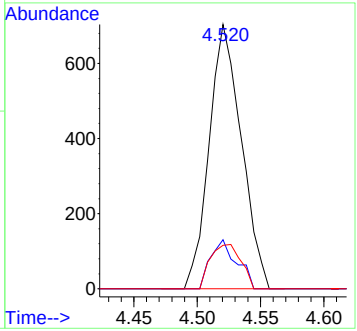


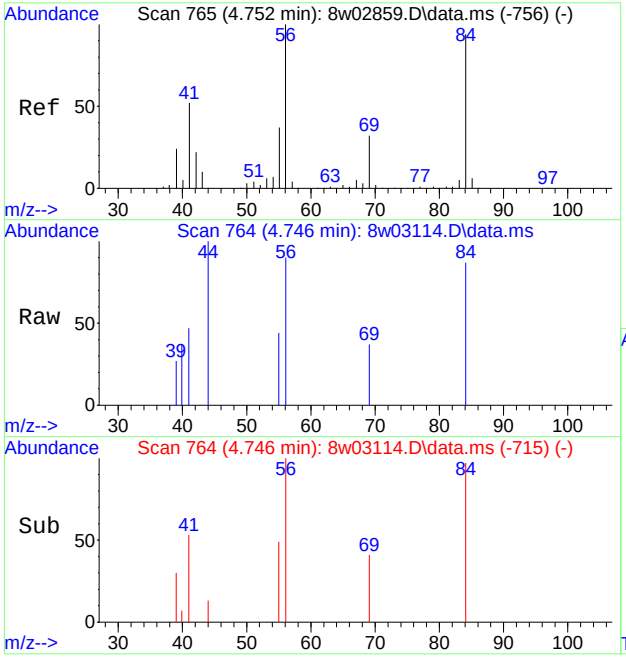


#51
BENZENE
Concen: 0.03 PPBV
RT: 4.520 min Scan# 727
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 78 Resp: 1243

Ion	Ratio	Lower	Upper
78	100		
52	0.0	0.0	37.6
51	0.0	0.0	38.0

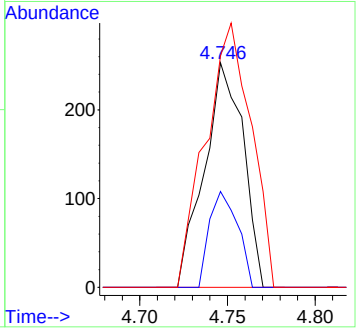


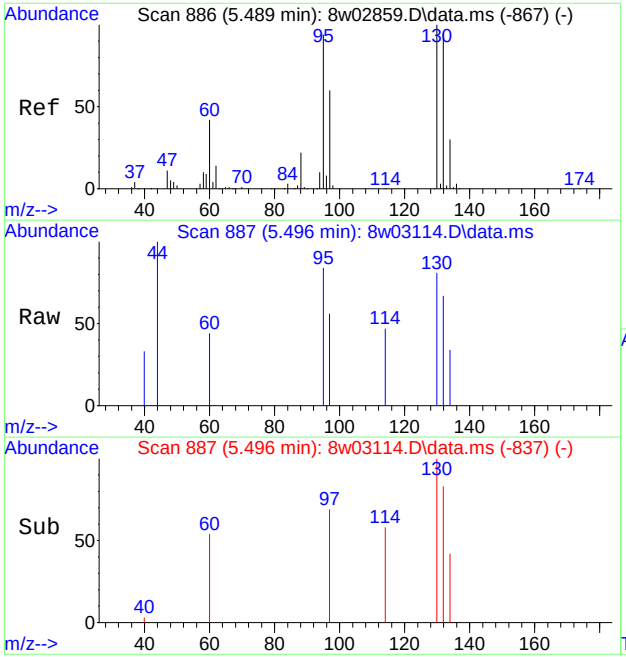


#53
CYCLOHEXANE
Concen: 0.02 PPBV m
RT: 4.746 min Scan# 764
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 84 Resp: 390

Ion	Ratio	Lower	Upper
84	100		
69	5613.1	27.7	41.5#
56	4239.5	99.1	148.7#

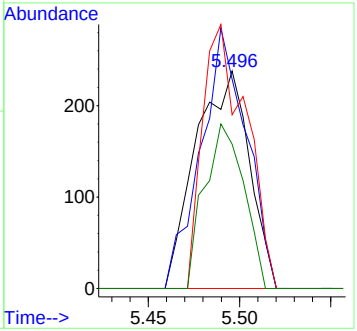


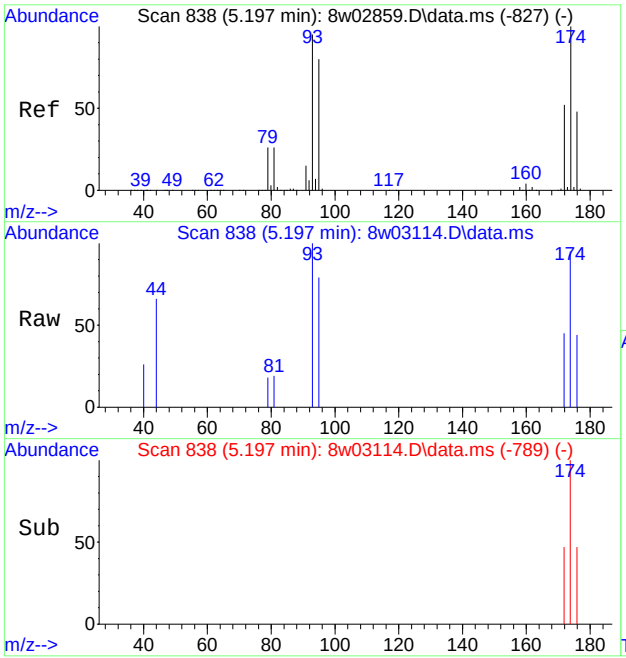


#55
TRICHLOROETHENE
Concen: 0.02 PPBV m
RT: 5.496 min Scan# 887
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 95 Resp: 486

Ion	Ratio	Lower	Upper
95	100		
130	0.0	80.6	120.8#
132	0.0	77.0	115.4#
97	0.0	51.6	77.4#

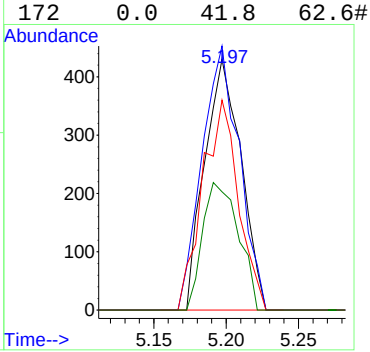


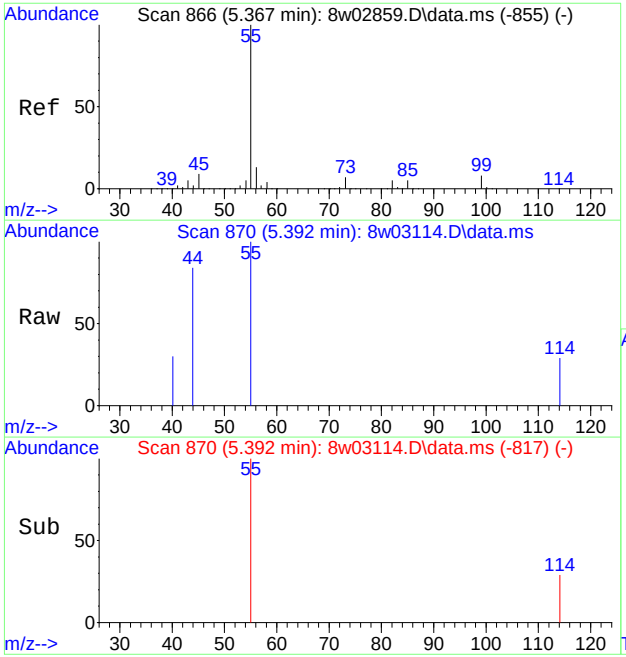


#57
DIBROMOMETHANE
Concen: 0.04 PPBV
RT: 5.197 min Scan# 838
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:174 Resp: 754

Ion	Ratio	Lower	Upper
174	100		
93	108.0	77.0	115.6
95	82.4	64.2	96.4
172	0.0	41.8	62.6#

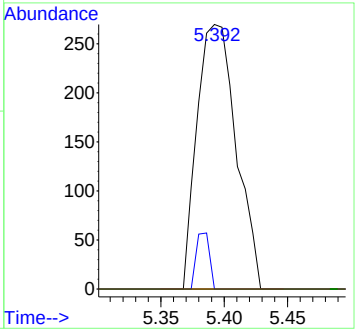


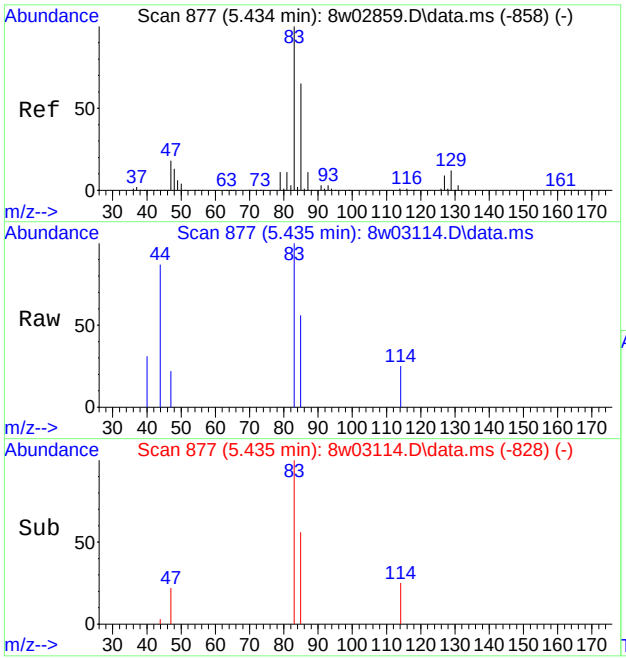


#58
ETHYL ACRYLATE
Concen: 0.02 PPBV
RT: 5.392 min Scan# 870
Delta R.T. 0.024 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 55 Resp: 580

Ion	Ratio	Lower	Upper
55	100		
56	0.0	10.9	16.3#
45	0.0	6.7	10.1#
99	0.0	5.8	8.8#

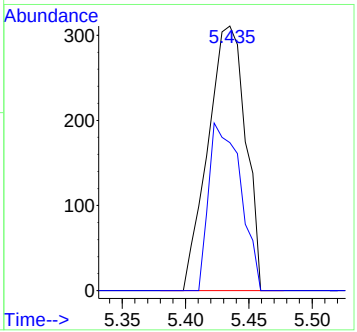


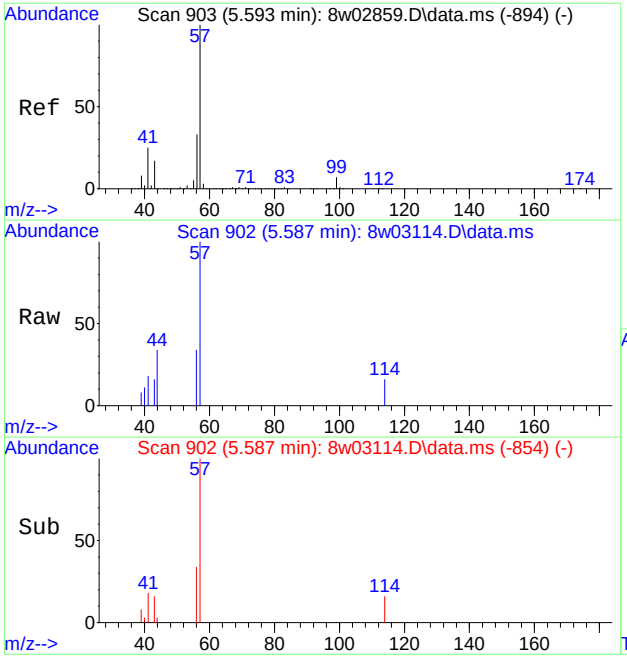


#59
BROMODICHLOROMETHANE
Concen: 0.02 PPBV
RT: 5.435 min Scan# 877
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 83 Resp: 643

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.0	76.6#

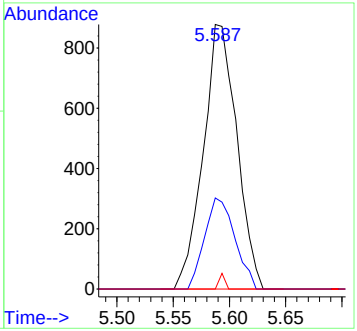


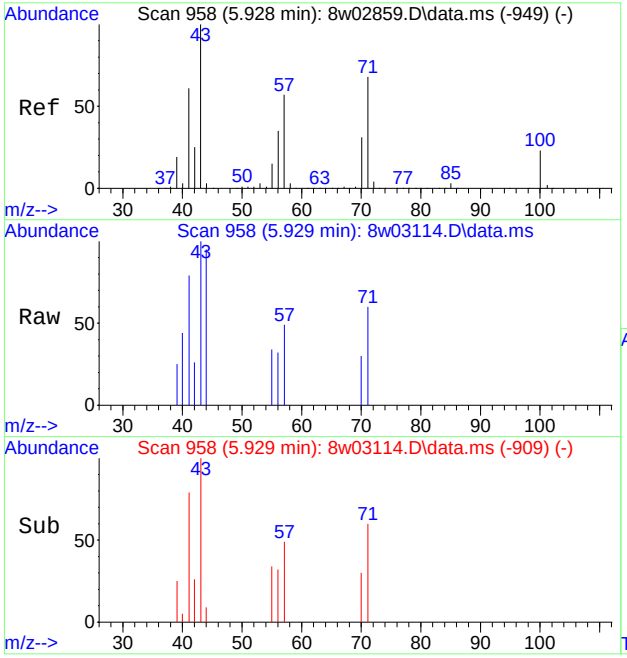


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.02 PPBV
RT: 5.587 min Scan# 902
Delta R.T. -0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 57 Resp: 1828

Ion	Ratio	Lower	Upper
57	100		
56	31.0	25.8	38.8
99	0.0	4.7	7.1#

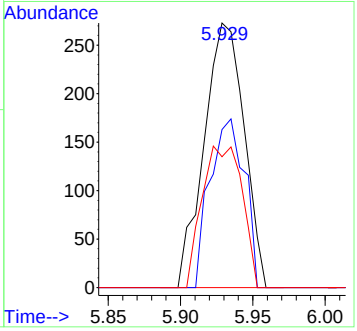


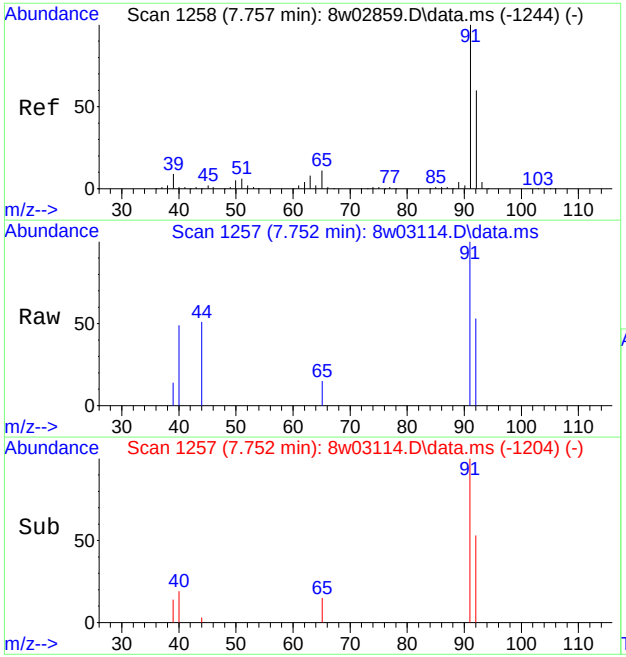


#62
HEPTANE
Concen: 0.02 PPBV
RT: 5.929 min Scan# 958
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 43 Resp: 527

Ion	Ratio	Lower	Upper
43	100		
71	0.0	52.2	78.2#
57	0.0	50.4	75.6#

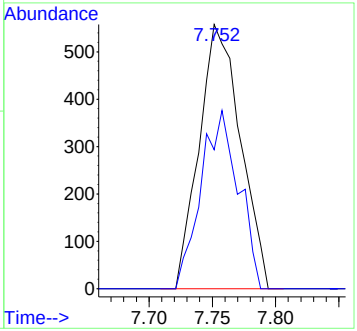


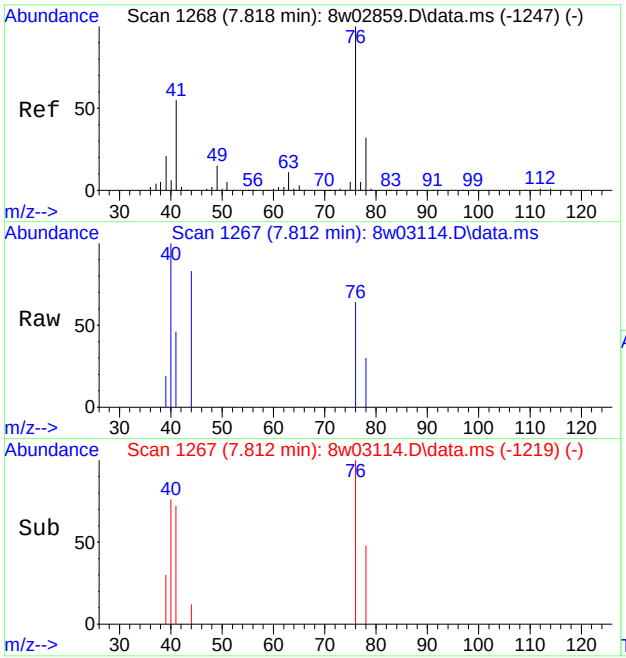


#66
TOLUENE
Concen: 0.02 PPBV
RT: 7.752 min Scan# 1257
Delta R.T. -0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 91 Resp: 1267

Ion	Ratio	Lower	Upper
91	100		
92	61.0	39.8	79.8

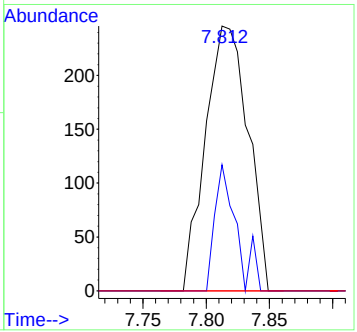


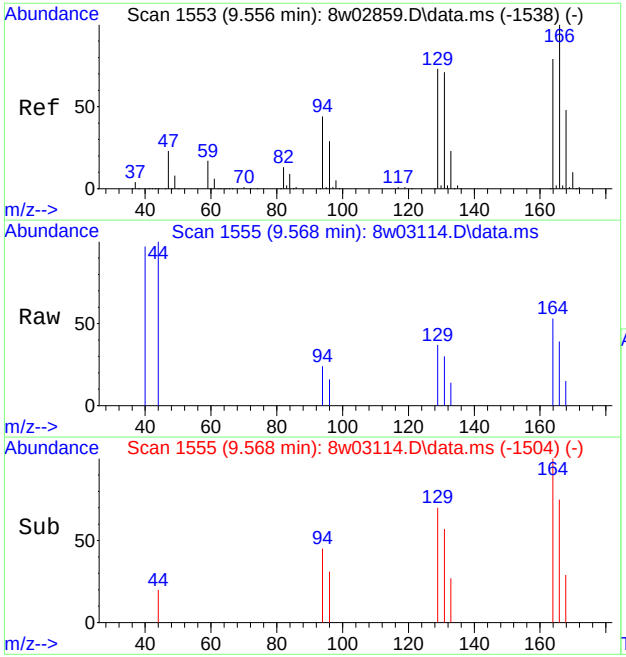


#67
1,3-DICHLOROPROPANE
Concen: 0.02 PPBV
RT: 7.812 min Scan# 1267
Delta R.T. -0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 76 Resp: 575

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.9	38.9#
63	0.0	8.6	12.8#

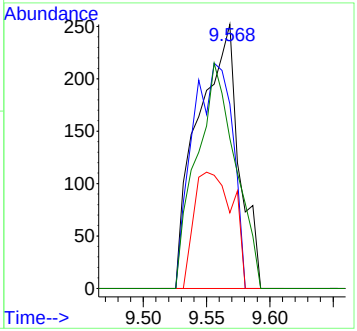


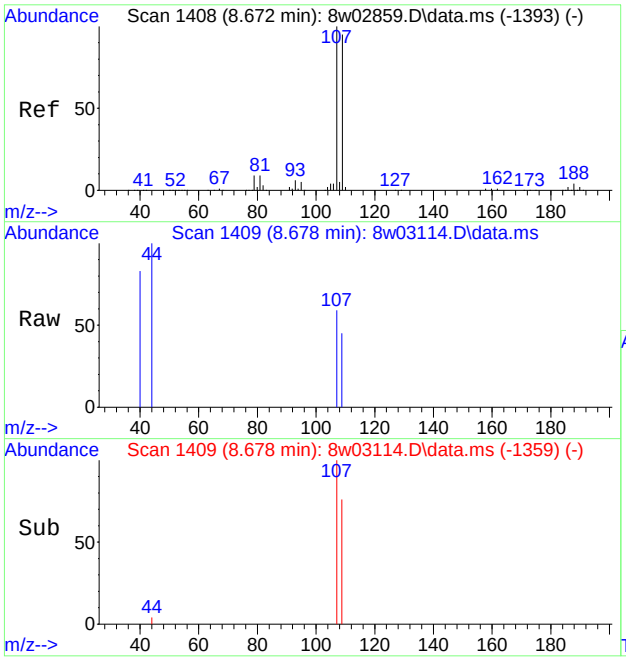


#72
TETRACHLOROETHENE
Concen: 0.02 PPBV
RT: 9.568 min Scan# 1555
Delta R.T. 0.012 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:164 Resp: 564

Ion	Ratio	Lower	Upper
164	100		
129	0.0	75.8	113.8#
168	0.0	48.8	73.2#
131	0.0	73.0	109.4#

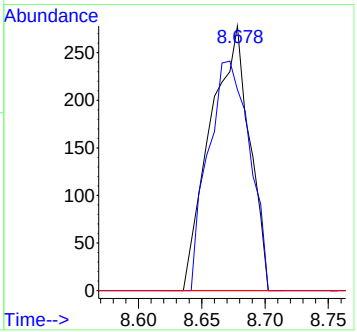


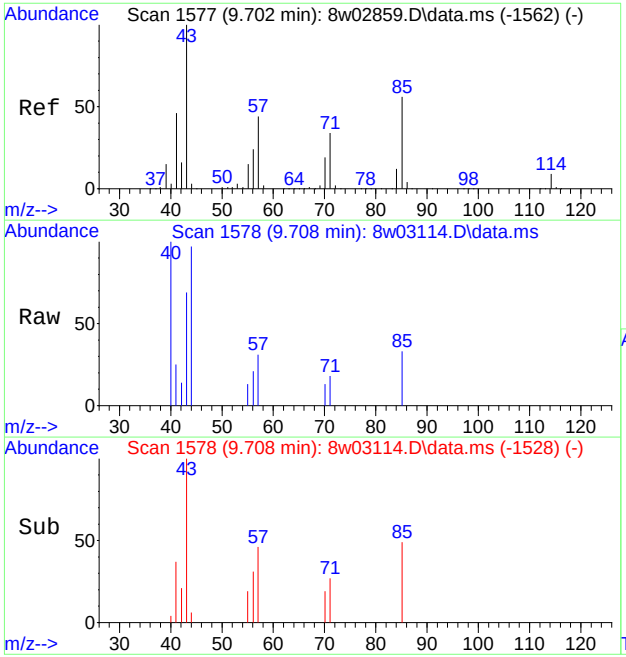


#74
1,2-DIBROMOETHANE
Concen: 0.02 PPBV
RT: 8.678 min Scan# 1409
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:107 Resp: 600

Ion	Ratio	Lower	Upper
107	100		
109	91.5	75.4	113.0
188	0.0	3.0	4.6#

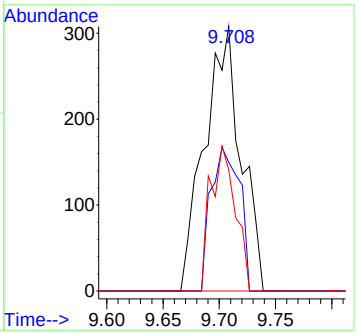


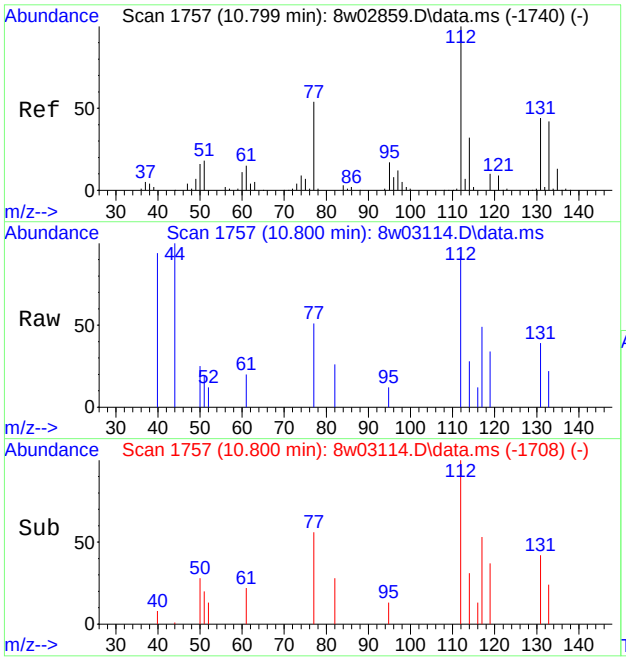


#75
OCTANE
Concen: 0.02 PPBV
RT: 9.708 min Scan# 1578
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 43 Resp: 695

Ion	Ratio	Lower	Upper
43	100		
85	0.0	45.1	67.7#
57	0.0	39.0	58.6#

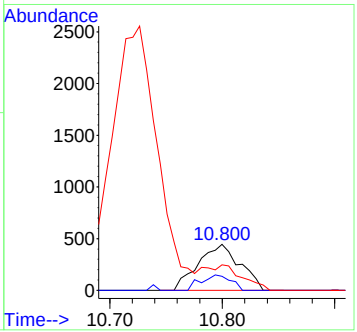


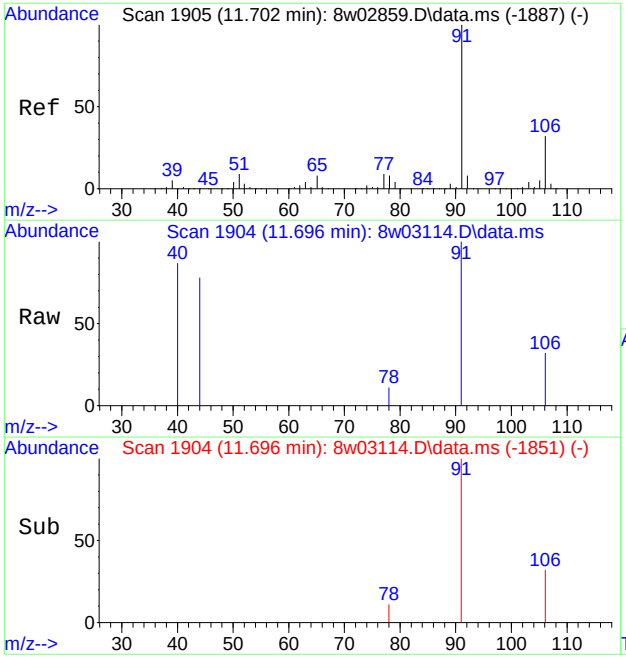


#78
CHLOROBENZENE
Concen: 0.02 PPBV
RT: 10.800 min Scan# 1757
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:112 Resp: 1153

Ion	Ratio	Lower	Upper
112	100		
114	0.0	25.7	38.5#
77	0.0	47.4	71.2#

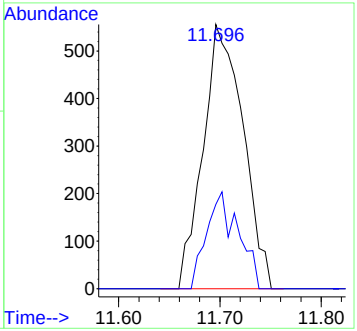


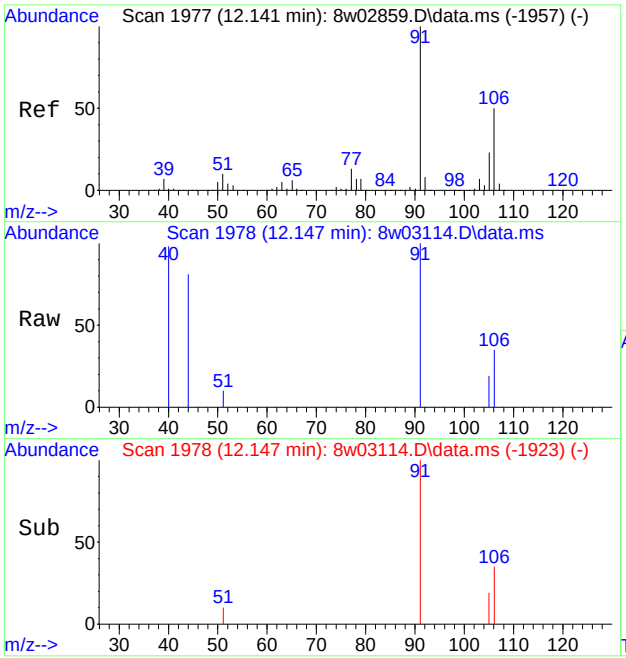


#79
ETHYLBENZENE
Concen: 0.02 PPBV
RT: 11.696 min Scan# 1904
Delta R.T. -0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 91 Resp: 1528

Ion	Ratio	Lower	Upper
91	100		
106	0.0	11.5	51.5#

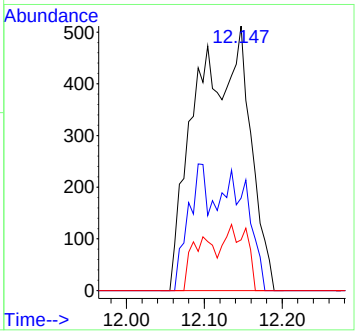


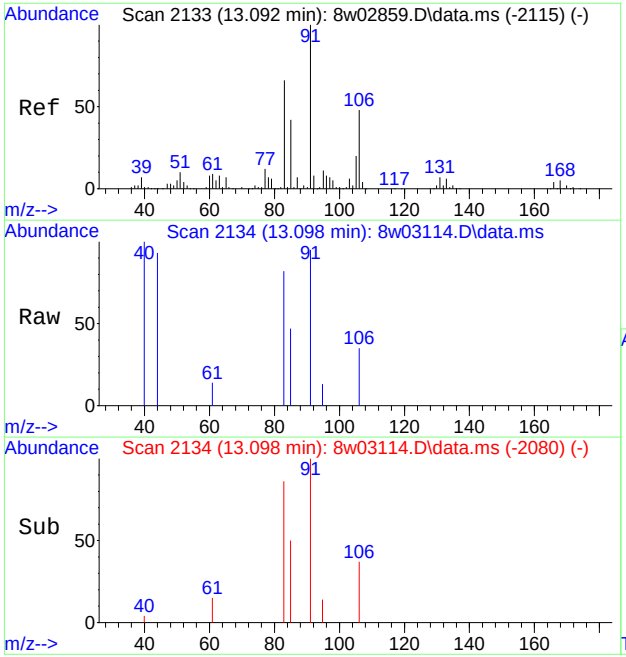


#80
M,P-XYLENE
Concen: 0.04 PPBV
RT: 12.147 min Scan# 1978
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 91 Resp: 2403

Ion	Ratio	Lower	Upper
91	100		
106	22.1	5.3	45.3
105	0.0	0.0	31.8

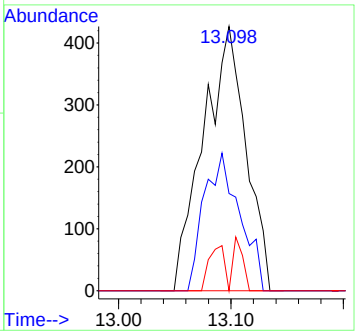


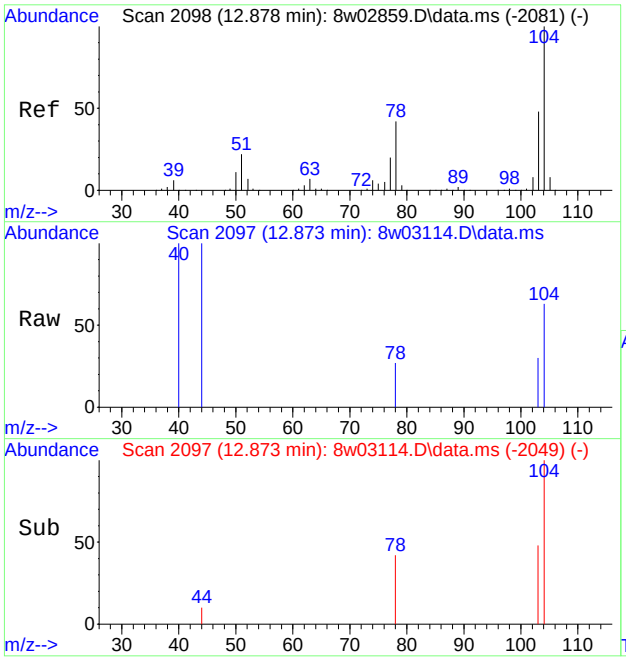


#81
O-XYLENE
Concen: 0.02 PPBV
RT: 13.098 min Scan# 2134
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 91 Resp: 1128

Ion	Ratio	Lower	Upper
91	100		
106	36.8	36.8	55.2#
105	0.0	15.0	22.6#

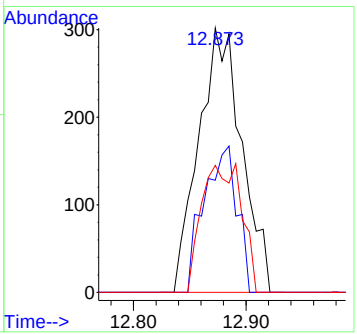


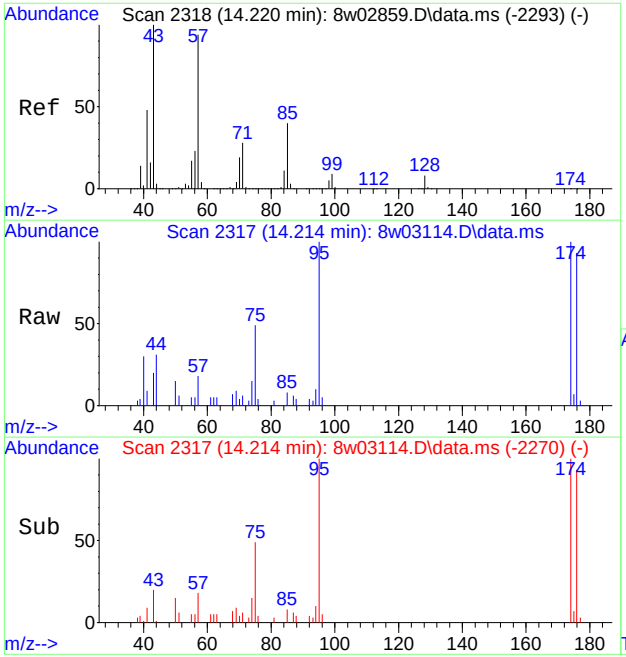


#82
STYRENE
Concen: 0.02 PPBV
RT: 12.873 min Scan# 2097
Delta R.T. -0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:104 Resp: 804

Ion	Ratio	Lower	Upper
104	100		
78	0.0	35.4	53.0#
103	0.0	37.7	56.5#

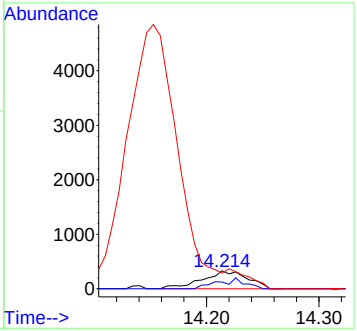


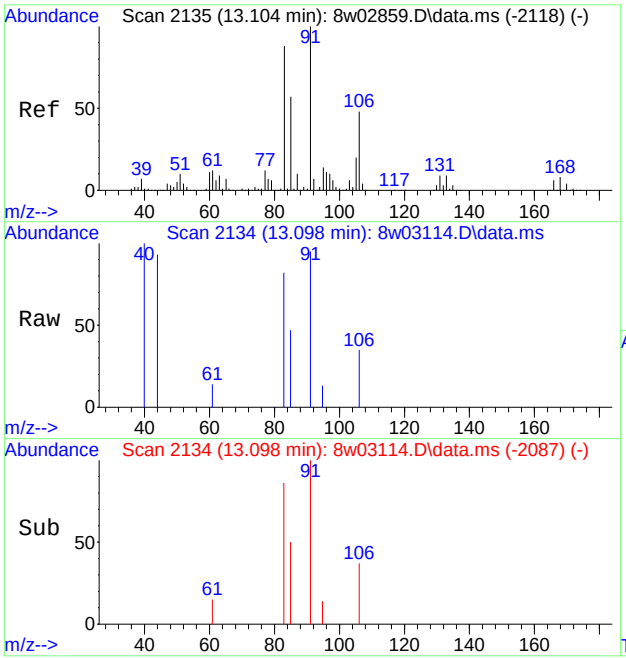


#83
NONANE
Concen: 0.02 PPBV
RT: 14.214 min Scan# 2317
Delta R.T. -0.012 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 43 Resp: 916

Ion	Ratio	Lower	Upper
43	100		
85	0.0	32.5	48.7#
57	0.0	88.6	132.8#

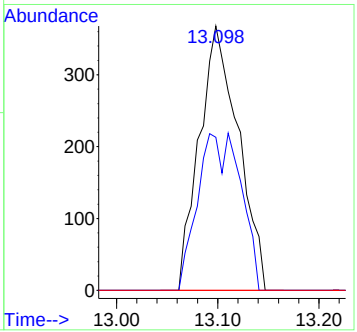


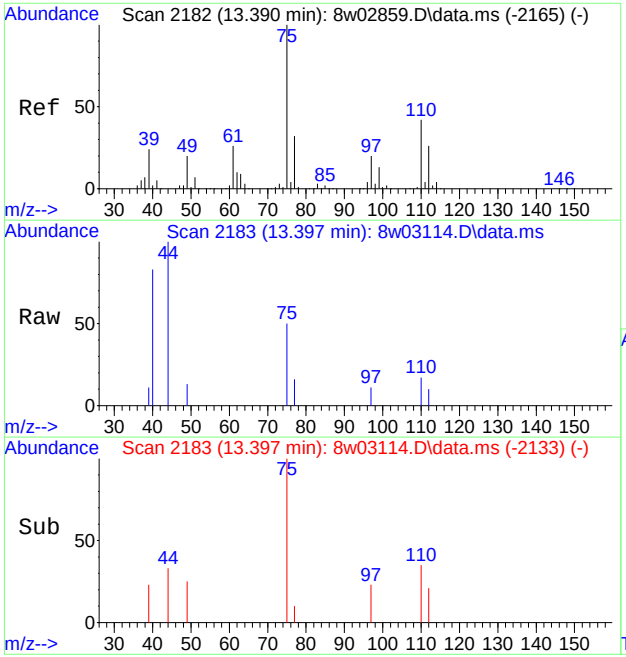


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 0.02 PPBV
RT: 13.098 min Scan# 2134
Delta R.T. -0.012 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 83 Resp: 987

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.9	77.9
131	0.0	8.5	12.7#

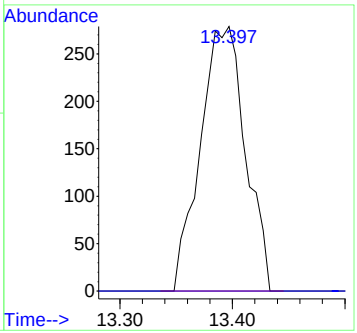


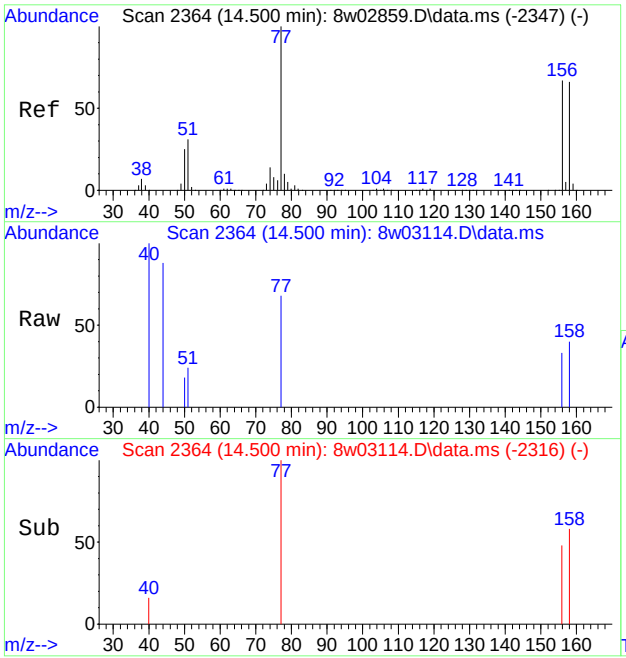


#86
1,2,3-TRICHLOROPROPANE
Concen: 0.02 PPBV
RT: 13.397 min Scan# 2183
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 75 Resp: 778

Ion	Ratio	Lower	Upper
75	100		
100	0.0	0.5	0.7#

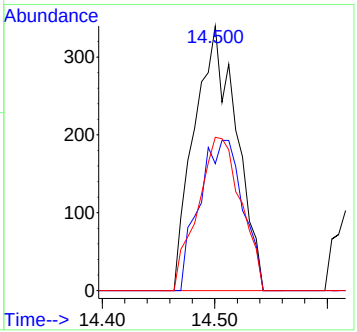


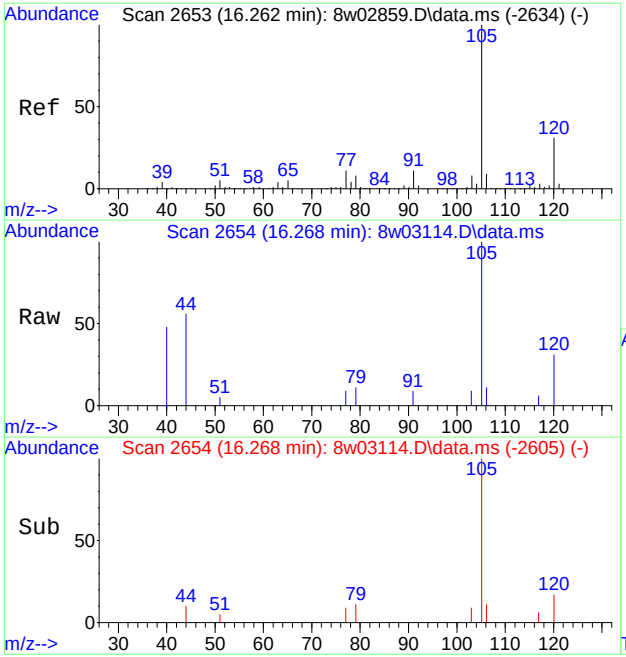


#89
BROMOBENZENE
Concen: 0.02 PPBV
RT: 14.500 min Scan# 2364
Delta R.T. -0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion: 77 Resp: 887

Ion	Ratio	Lower	Upper
77	100		
156	58.9	51.5	77.3
158	59.3	50.2	75.4

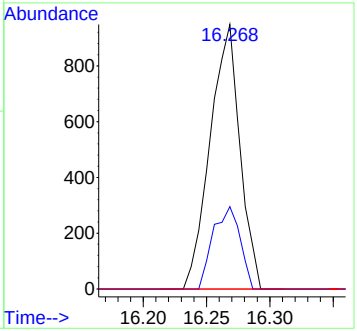


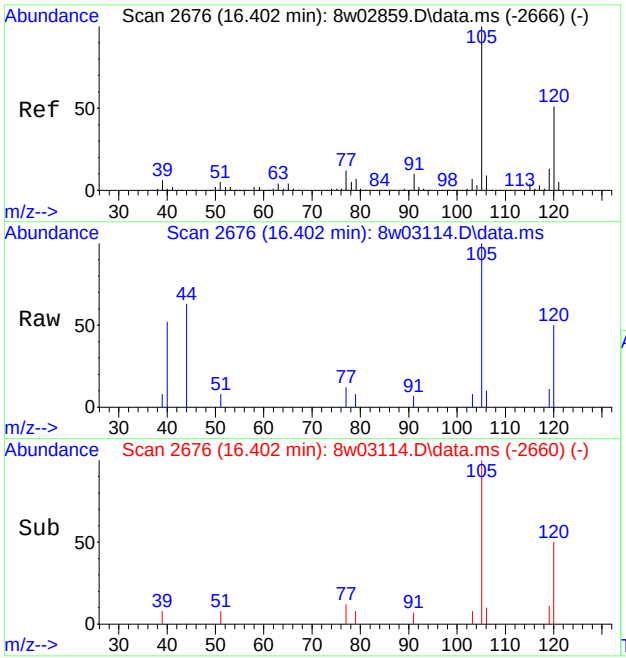


#92
4-ETHYLTOLUENE
Concen: 0.02 PPBV
RT: 16.268 min Scan# 2654
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:105 Resp: 1549

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	34.8#
119	0.0	1.8	2.8#

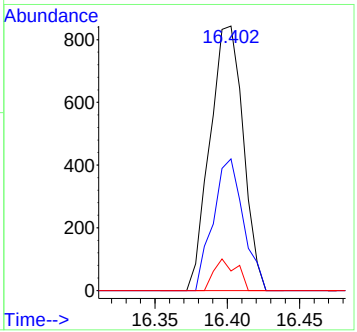


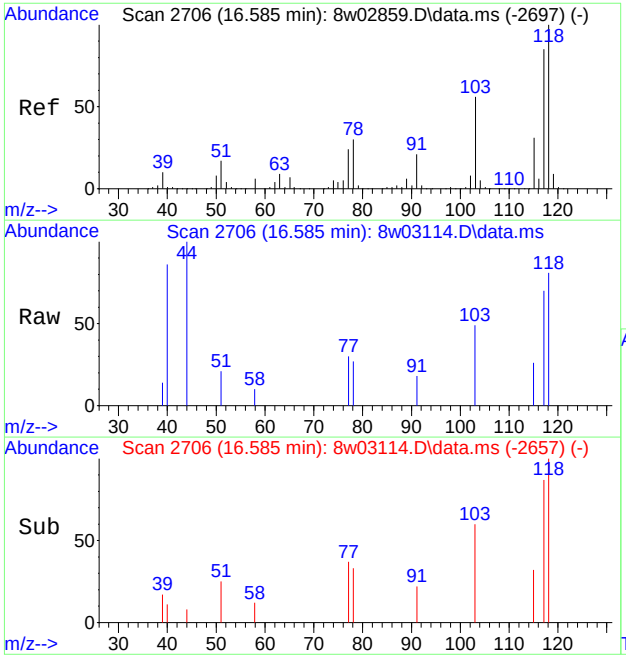


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 16.402 min Scan# 2676
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:105 Resp: 1350

Ion	Ratio	Lower	Upper
105	100		
120	45.4	38.2	57.4
91	0.0	8.7	13.1#

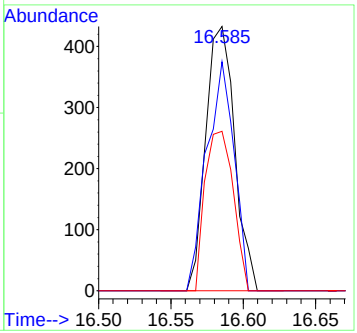


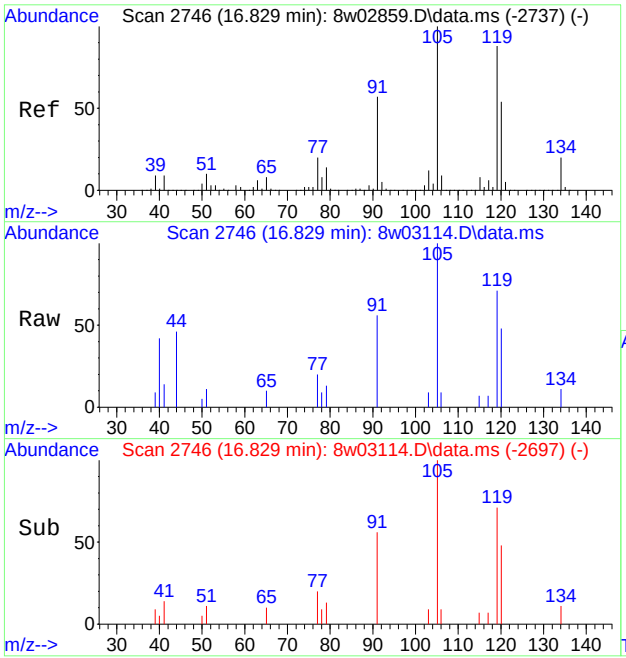


#94
ALPHA-METHYLSTYRENE
Concen: 0.02 PPBV
RT: 16.585 min Scan# 2706
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:118 Resp: 605

Ion	Ratio	Lower	Upper
118	100		
117	0.0	68.5	102.7#
103	0.0	46.9	70.3#

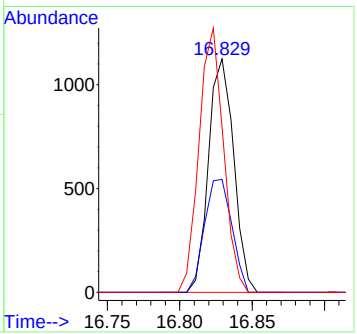


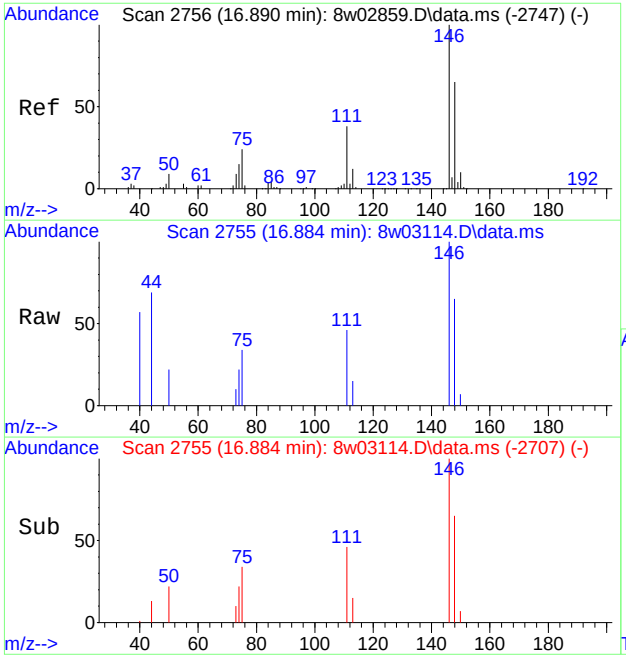


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 16.829 min Scan# 2746
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:105 Resp: 1364

Ion	Ratio	Lower	Upper
105	100		
120	52.6	42.1	63.1
119	109.7	84.6	127.0

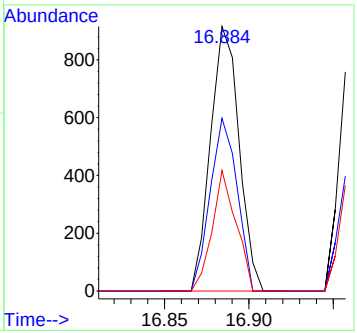


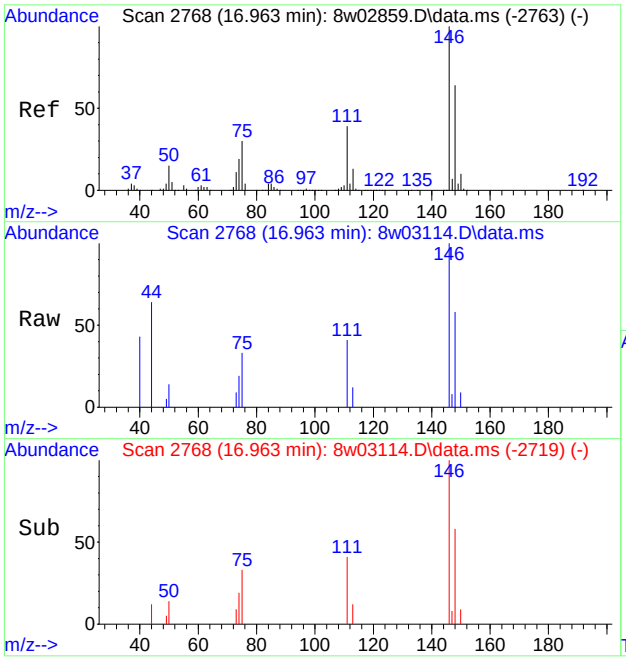


#98
M-DICHLOROBENZENE
Concen: 0.02 PPBV
RT: 16.884 min Scan# 2755
Delta R.T. -0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:146 Resp: 1080

Ion	Ratio	Lower	Upper
146	100		
148	61.4	51.0	76.4
111	0.0	34.2	51.4#

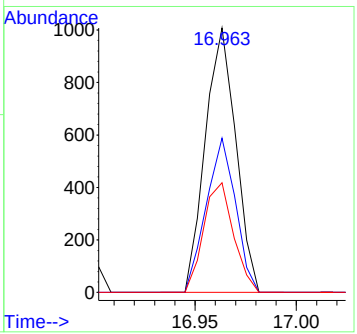


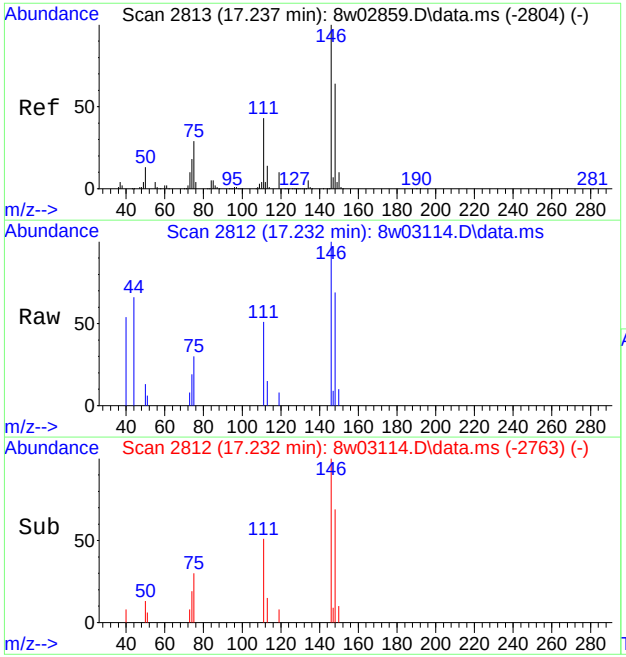


#99
P-DICHLOROBENZENE
Concen: 0.02 PPBV
RT: 16.963 min Scan# 2768
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:146 Resp: 1055

Ion	Ratio	Lower	Upper
146	100		
148	56.2	51.0	76.4
111	0.0	32.8	49.2#

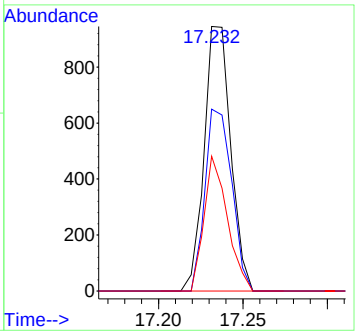


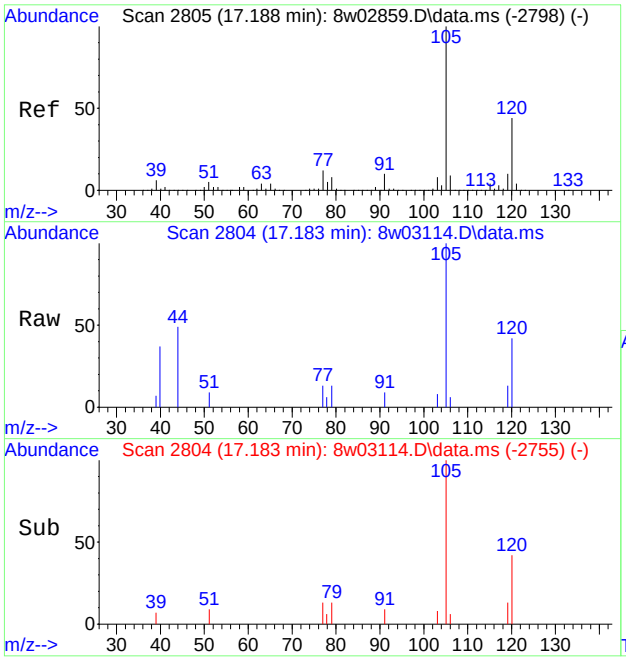


#100
O-DICHLOROBENZENE
Concen: 0.02 PPBV
RT: 17.232 min Scan# 2812
Delta R.T. 0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:146 Resp: 1039

Ion	Ratio	Lower	Upper
146	100		
148	69.0	50.9	76.3
111	0.0	35.9	53.9#

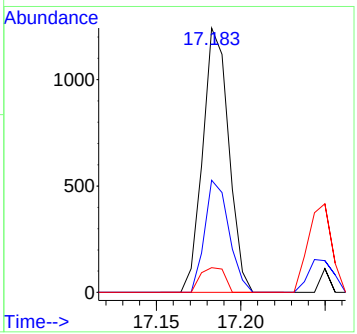


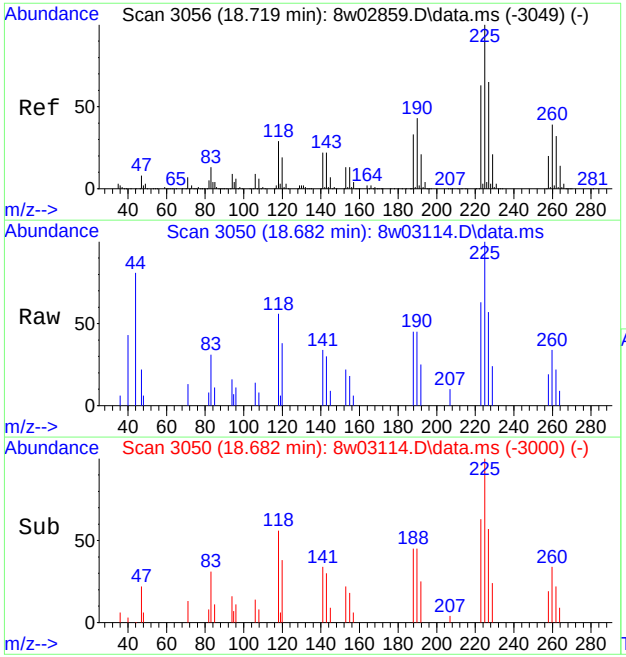


#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 17.183 min Scan# 2804
Delta R.T. -0.000 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:105 Resp: 1335

Ion	Ratio	Lower	Upper
105	100		
120	39.6	32.6	49.0
91	0.0	8.4	12.6#

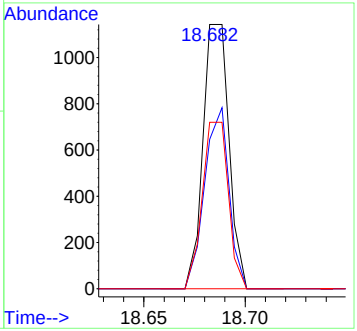


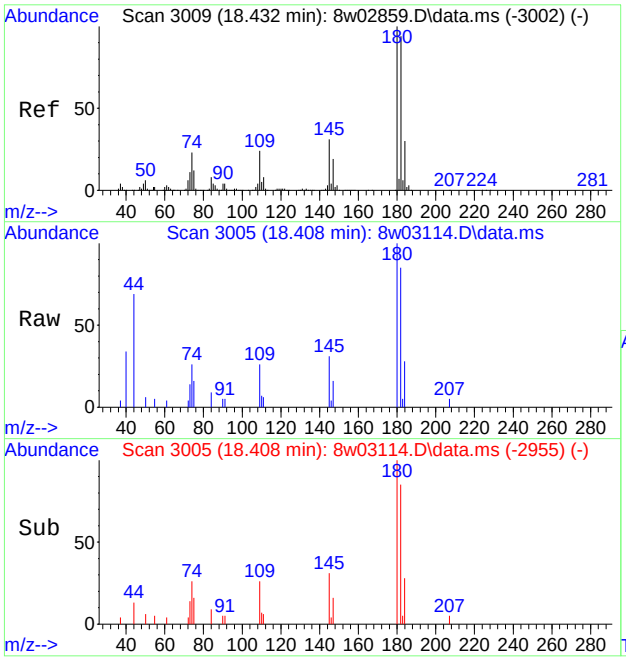


#106
HEXACHLOROBUTADIENE
Concen: 0.03 PPBV
RT: 18.682 min Scan# 3050
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:225 Resp: 1022

Ion	Ratio	Lower	Upper
225	100		
227	64.2	51.2	76.8
223	63.2	50.2	75.4

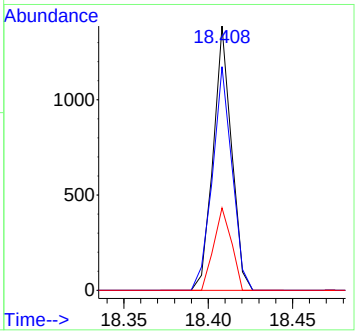


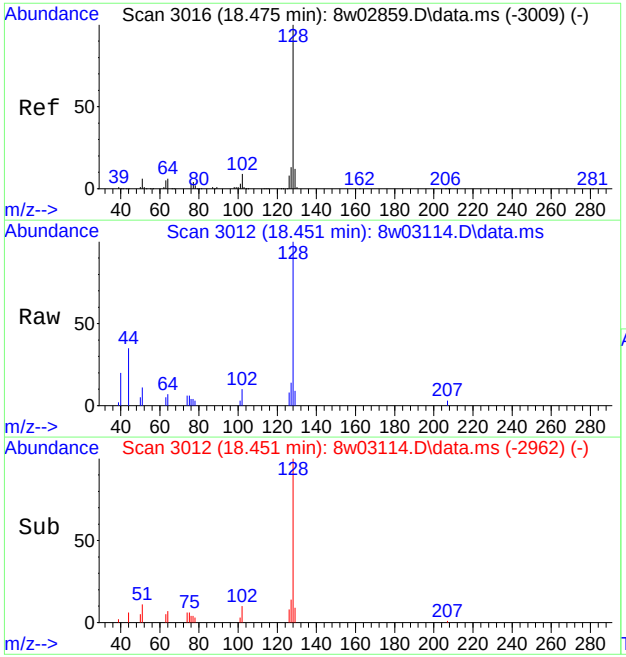


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.02 PPBV
RT: 18.408 min Scan# 3005
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:180 Resp: 1049

Ion	Ratio	Lower	Upper
180	100		
182	90.5	76.0	114.0
145	0.0	26.2	39.2#

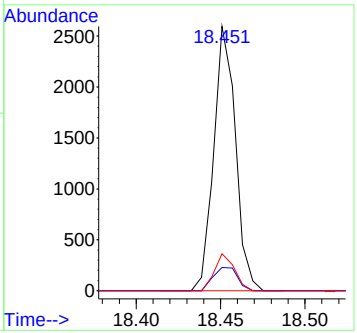


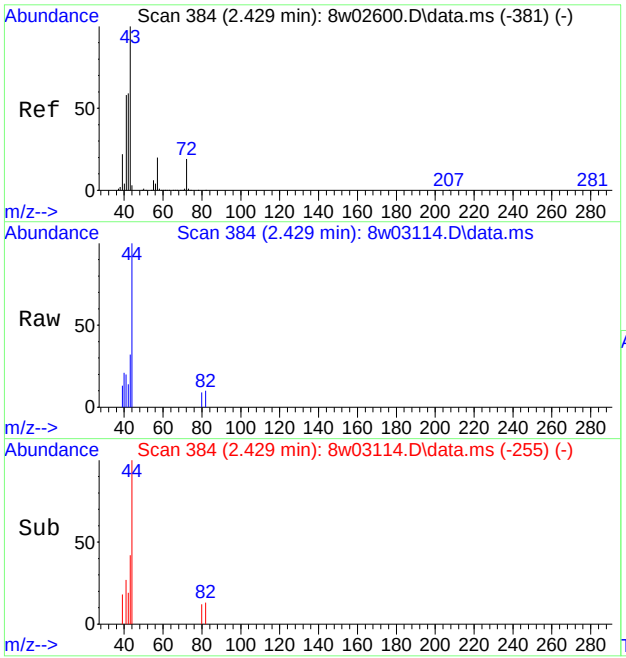


#108
NAPHTHALENE
Concen: 0.02 PPBV
RT: 18.451 min Scan# 3012
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:128 Resp: 2324

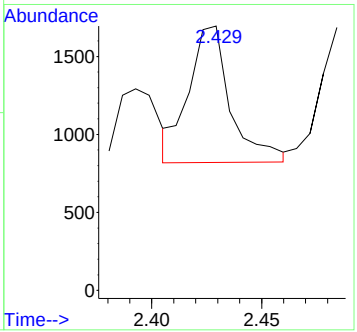
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.8	13.2#
127	0.0	10.2	15.2#





#110
TVHC as equiv Pentane
Concen: 0.03 PPBV m
RT: 2.429 min Scan# 384
Delta R.T. 0.006 min
Lab File: 8w03114.D
Acq: 19 Dec 2023 09:11 pm

Tgt Ion:TIC Resp: 1164



Manual Integration Approval Summary

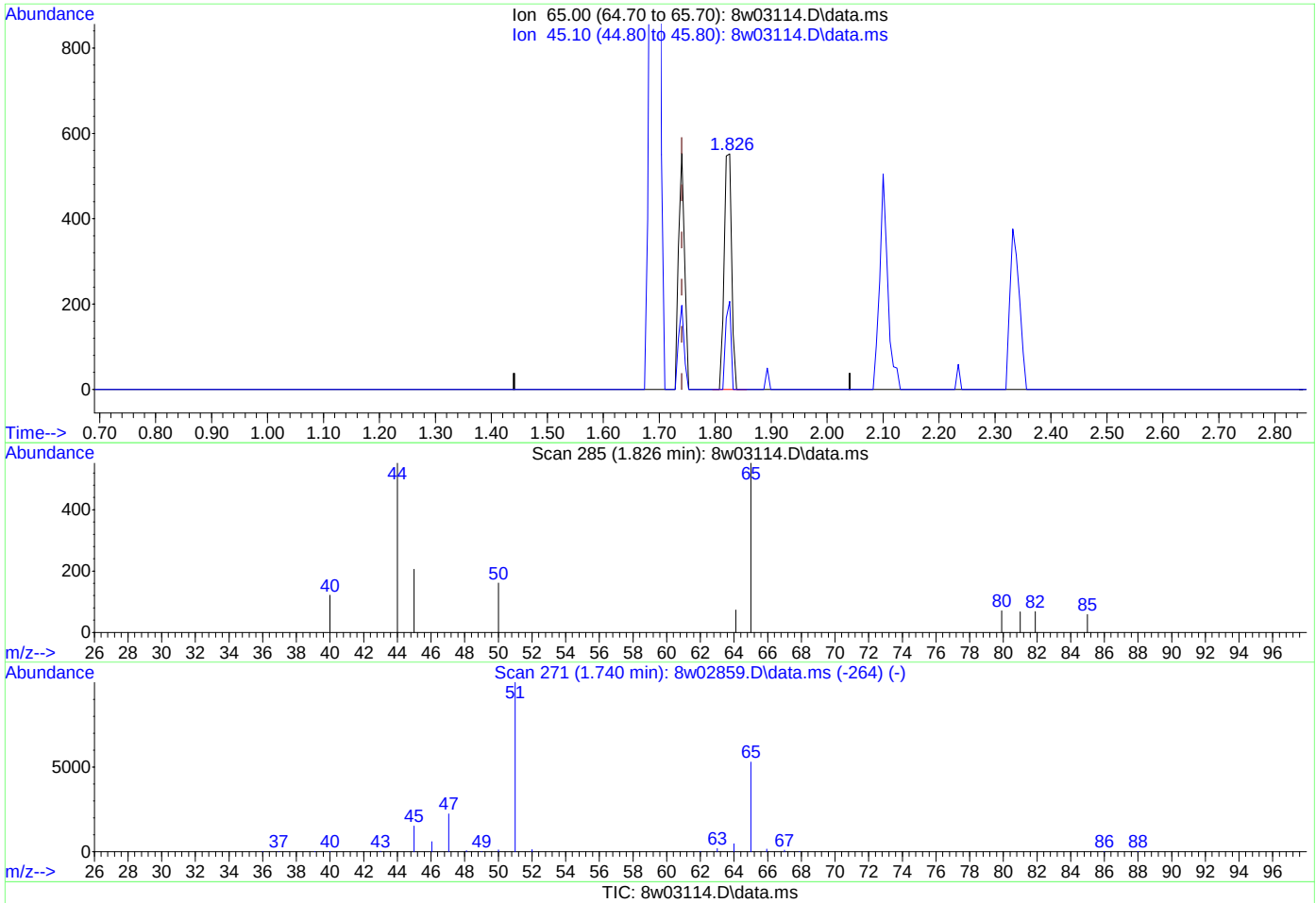
Sample Number: V8W124-IC0124
Lab FileID: 8W03114.D
Injection Time: 12/19/23 21:11
Method: TO-15
Analyst approved: 12/21/23 10:34 Taylor Sauter
Supervisor approved: 12/21/23 11:53 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.74	Missed peak
TVHC As Equiv Pentane			2.43	Missed peak
cis-1,2-Dichloroethylene	156-59-2		3.39	Missed peak
Cyclohexane	110-82-7		4.75	Missed peak
Trichloroethylene	79-01-6		5.50	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:27 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03114.D\data.ms

(3) FREON 152A (T)

1.826min (+0.085) 0.05PPBV

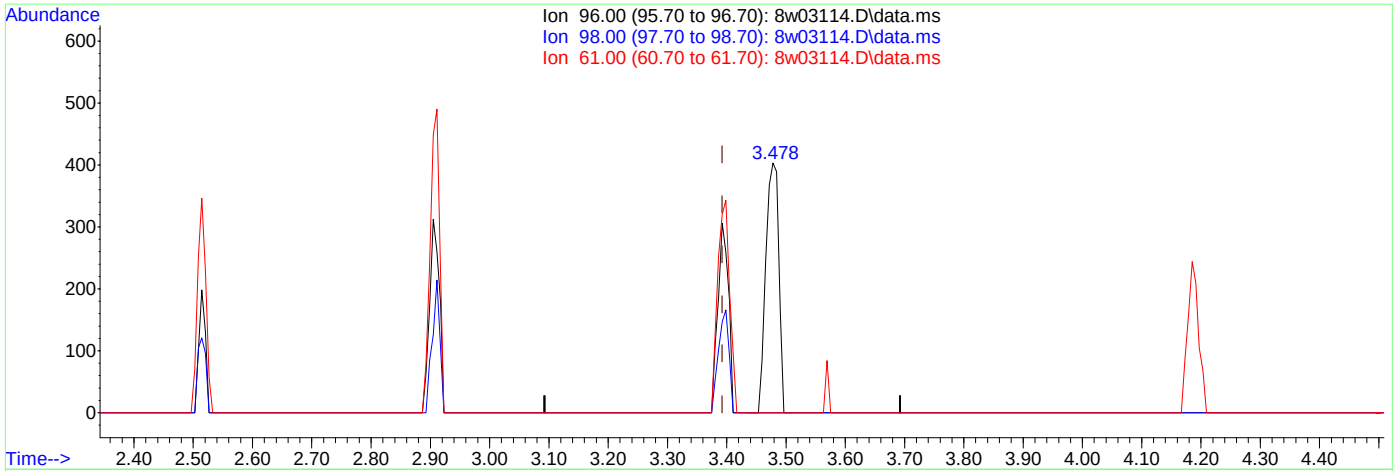
response 509

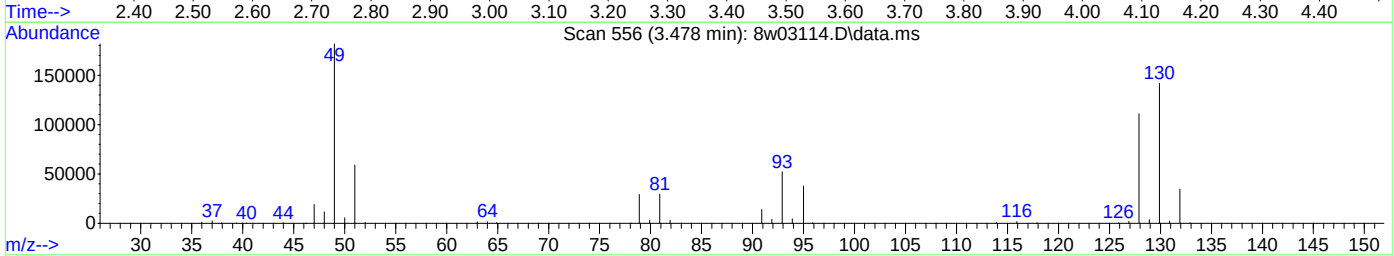
Ion	Exp%	Act%
65.00	100	100
45.10	26.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

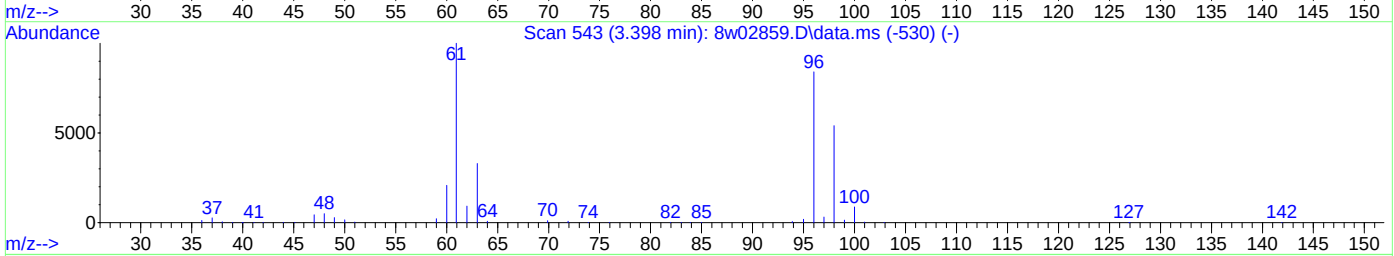
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:27 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03114.D\data.ms

(42) CIS-1,2-DICHLOROETHENE (T)

3.478min (+0.085) 0.04PPBV

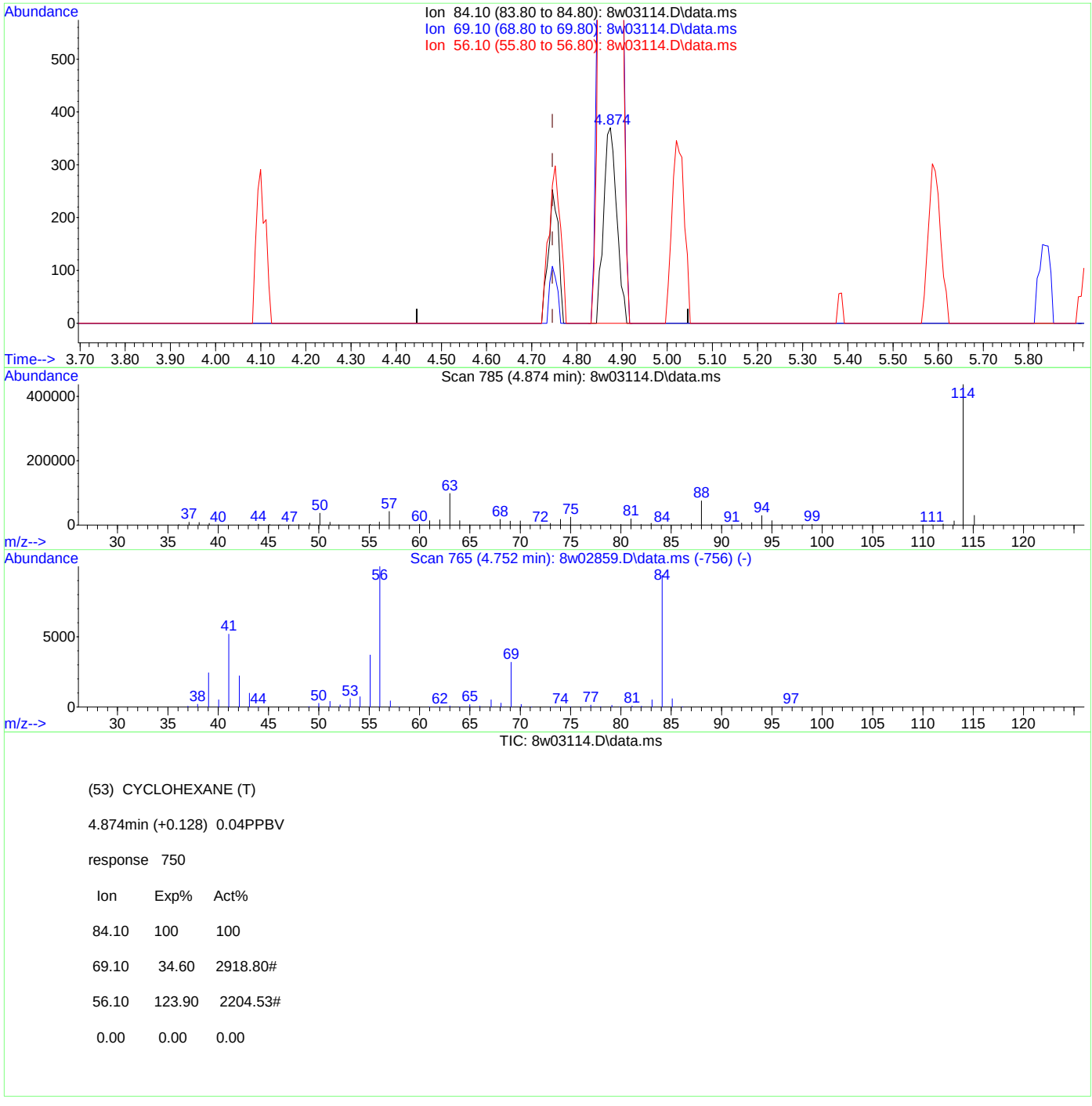
response 606

Ion	Exp%	Act%
96.00	100	100
98.00	63.60	0.00#
61.00	136.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:27 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03114.D\data.ms

(53) CYCLOHEXANE (T)

4.874min (+0.128) 0.04PPBV

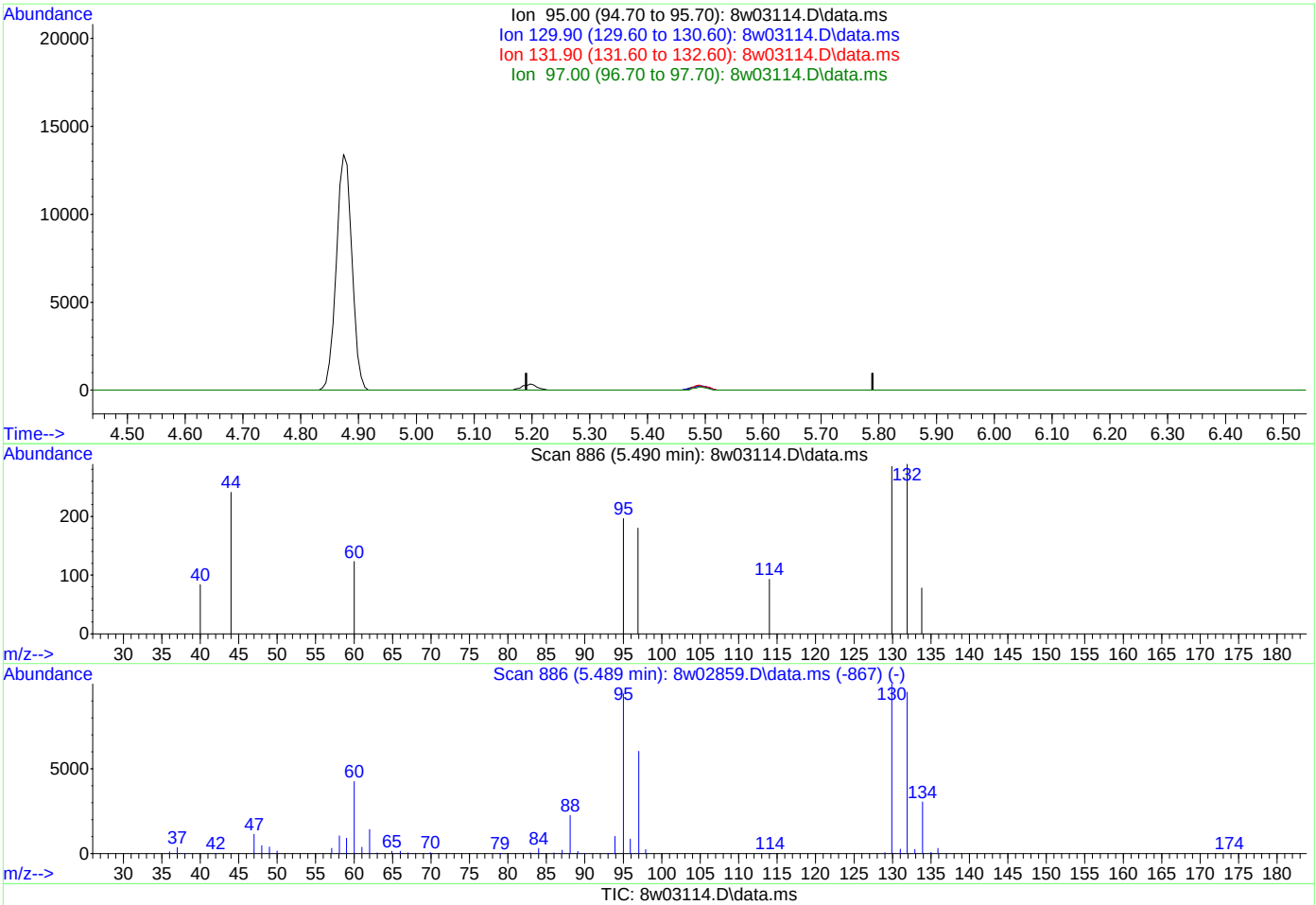
response 750

Ion	Exp%	Act%
84.10	100	100
69.10	34.60	2918.80#
56.10	123.90	2204.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:27 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03114.D\data.ms

(55) TRICHLOROETHENE (T)

5.490min (-5.490) 0.00PPBV

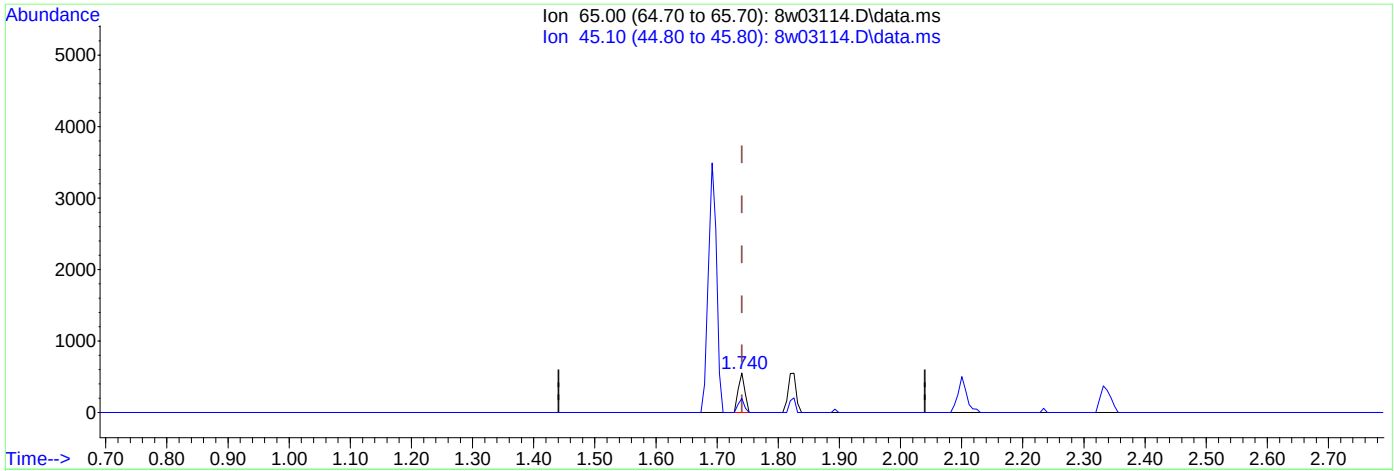
response 0

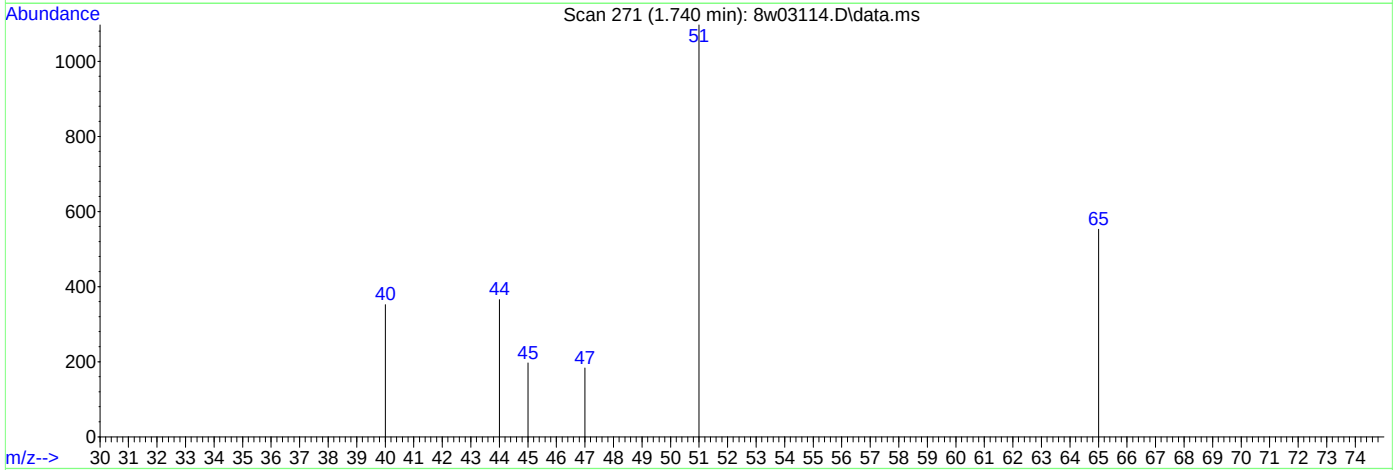
Ion	Exp%	Act%
95.00	100	0.00
129.90	100.70	0.00#
131.90	96.20	0.00#
97.00	64.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:00:06 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03114.D\data.ms

(3) FREON 152A (T)

1.740min (0.000) 0.04PPBV m

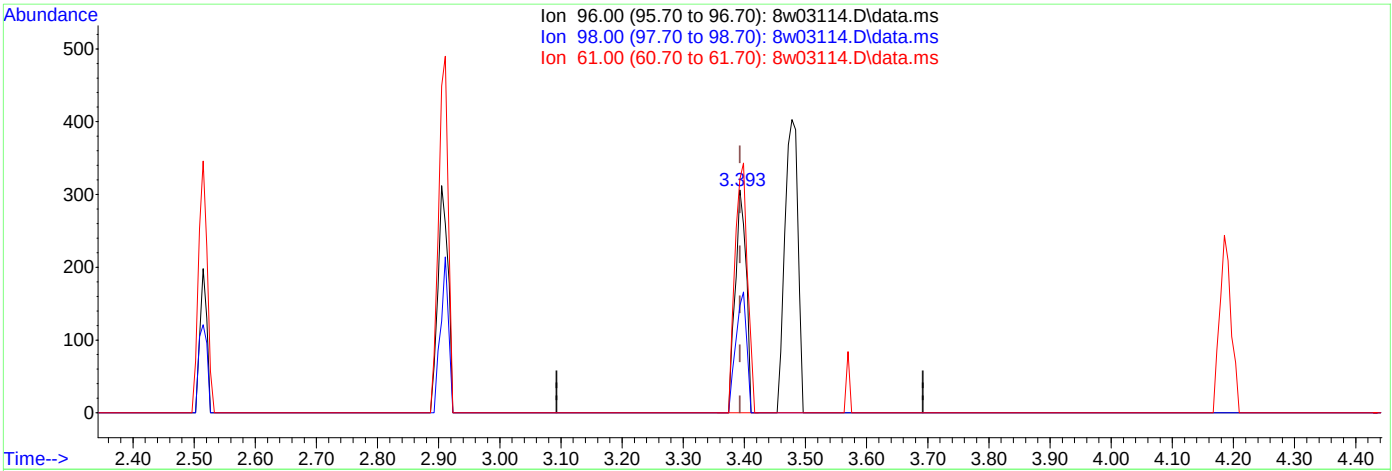
response 416

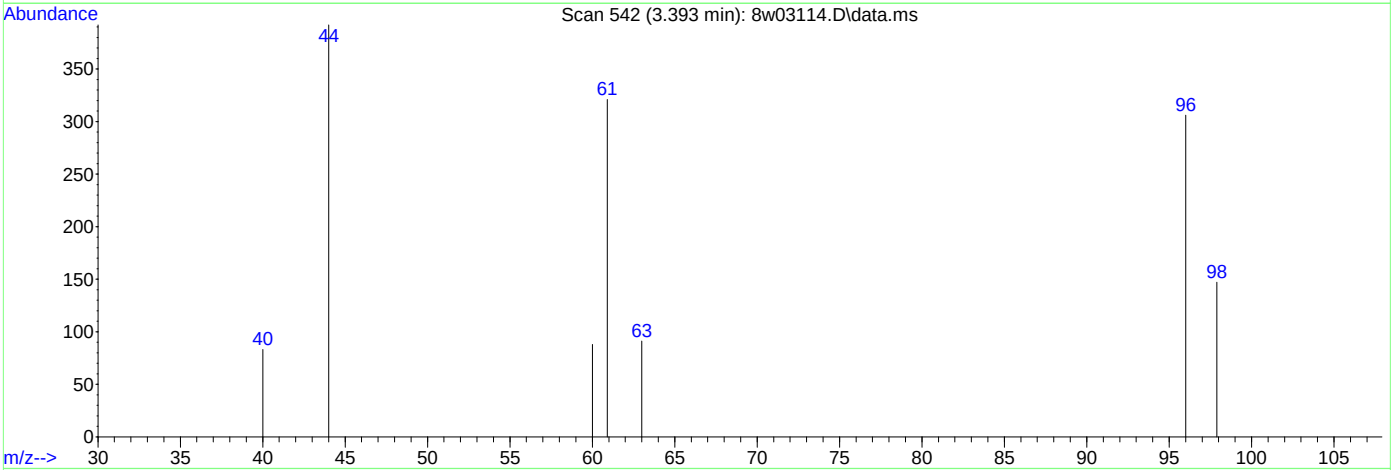
Ion	Exp%	Act%
65.00	100	100
45.10	26.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:00:06 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03114.D\data.ms

(42) CIS-1,2-DICHLOROETHENE (T)

3.393min (-0.000) 0.02PPBV m

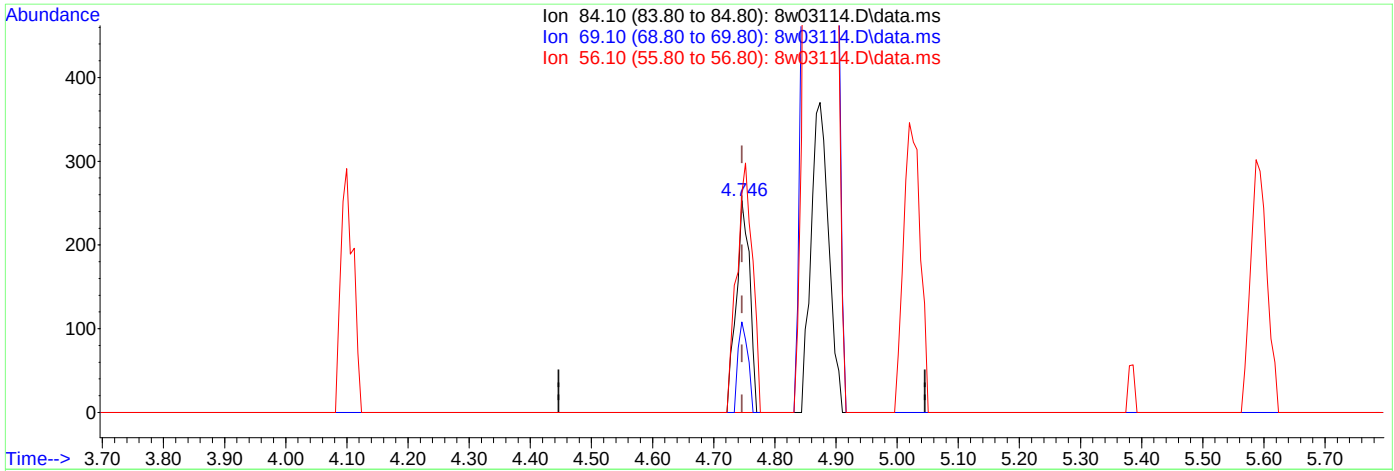
response 382

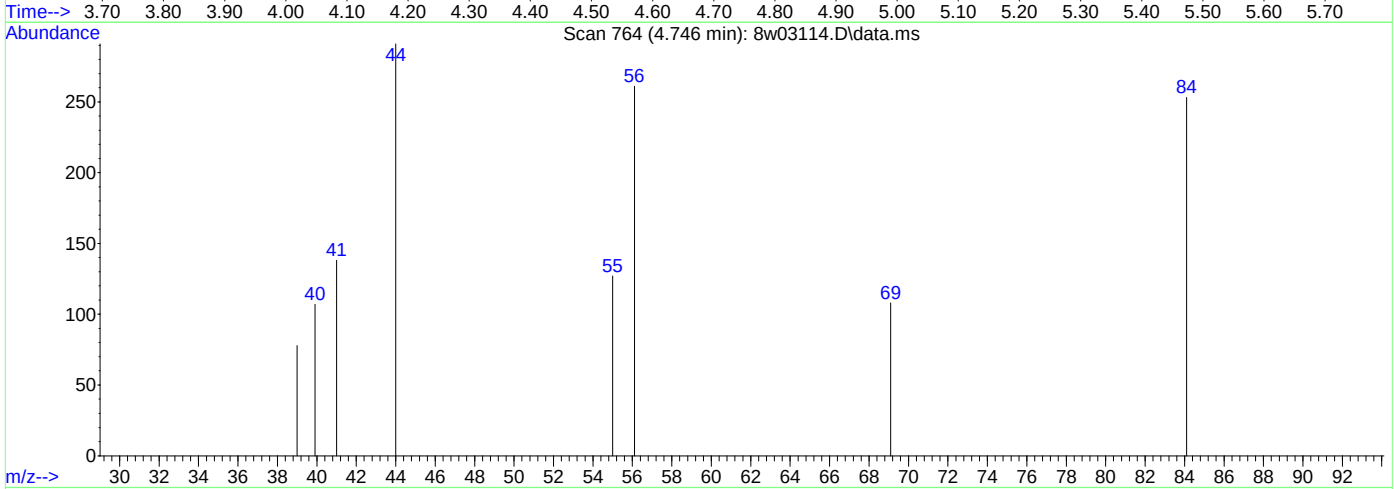
Ion	Exp%	Act%
96.00	100	100
98.00	63.60	0.00#
61.00	136.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:00:06 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03114.D\data.ms

(53) CYCLOHEXANE (T)

4.746min (-0.000) 0.02PPBV m

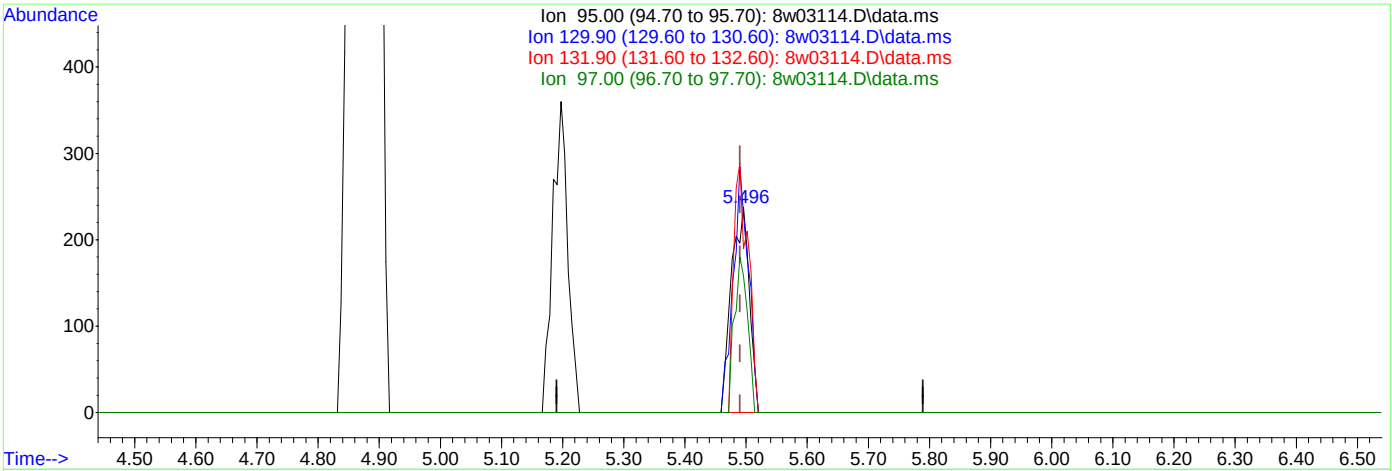
response 390

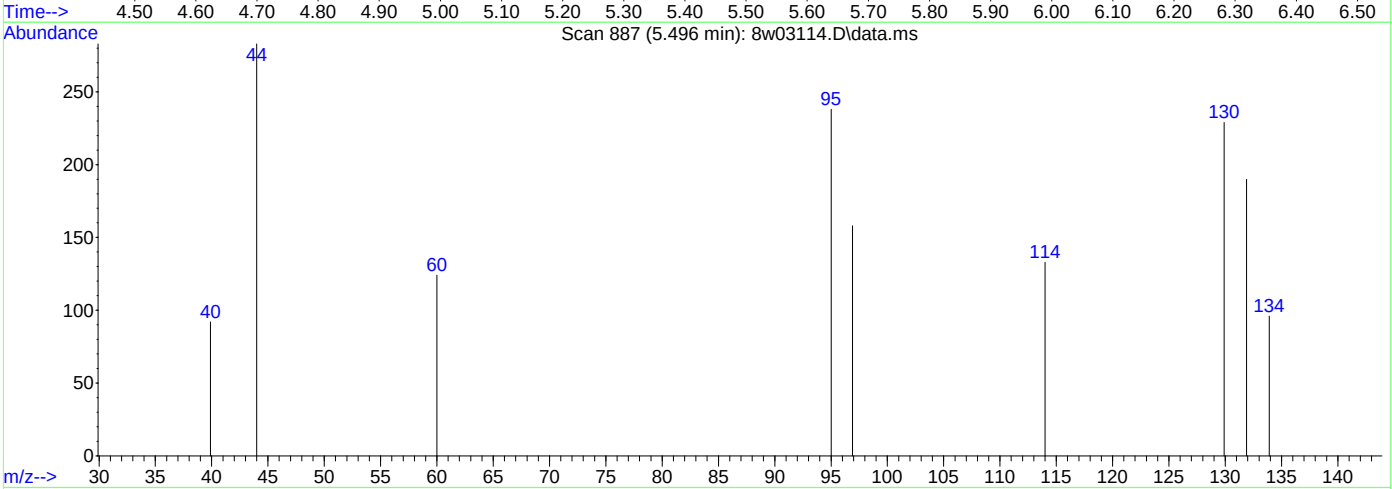
Ion	Exp%	Act%
84.10	100	100
69.10	34.60	5613.08#
56.10	123.90	4239.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:00:06 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03114.D\data.ms

(55) TRICHLOROETHENE (T)

5.496min (+0.006) 0.02PPBV m

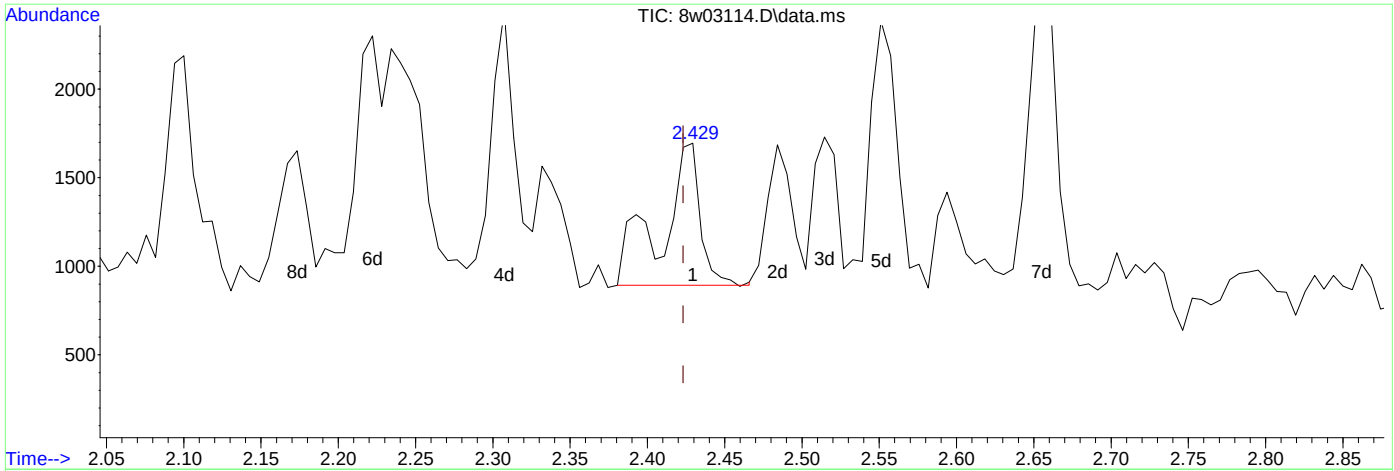
response 486

Ion	Exp%	Act%
95.00	100	100
129.90	100.70	0.00#
131.90	96.20	0.00#
97.00	64.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:00:06 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03114.D\data.ms

(110) TVHC as equiv Pentane

2.429min (+0.006) 0.03PPBV

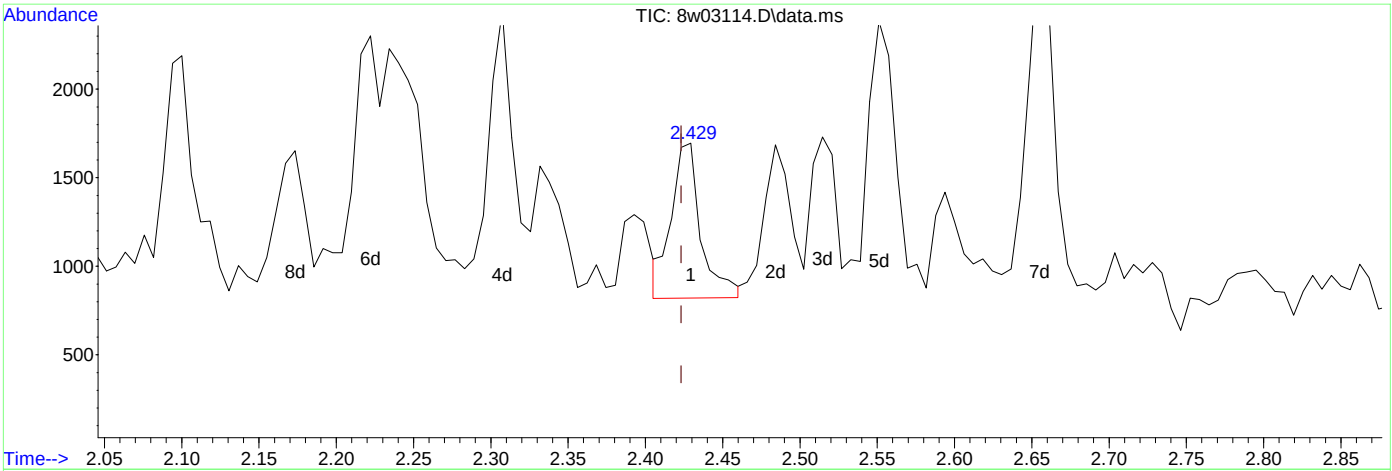
response 1395

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03114.D
Acq On : 19 Dec 2023 09:11 pm
Operator : taylors
Sample : ic0124-0.04
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:00:06 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03114.D\data.ms

(110) TVHC as equiv Pentane

2.429min (+0.006) 0.03PPBV m

response 1164

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/21/23 12:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:40:06 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	160254	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	792689	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.720	117	753738	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	160254	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.153	95	580008	9.94	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	1217m	0.13	PPBV		
4) CHLORODIFLUOROMETHANE	1.753	67	376m	0.09	PPBV		
5) CHLOROTRIFLUOROETHENE	1.765	116	2014	0.10	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.783	85	3472	0.10	PPBV	#	85
7) PROPYLENE	1.759	41	941	0.10	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	2383	0.11	PPBV	#	95
9) FREON 114	1.856	85	2559	0.10	PPBV		98
10) CHLOROMETHANE	1.826	52	178m	0.10	PPBV		
11) VINYL CHLORIDE	1.893	62	784	0.10	PPBV	#	51
12) 1,3-BUTADIENE	1.935	54	521	0.10	PPBV	#	57
13) N-BUTANE	1.948	43	996	0.11	PPBV	#	65
14) BROMOMETHANE	2.015	94	853	0.11	PPBV	#	92
15) CHLOROETHANE	2.063	64	447m	0.11	PPBV		
16) DICHLOROFLUOROMETHANE	2.088	67	2109	0.10	PPBV	#	92
17) ACETONITRILE	2.161	41	524	0.11	PPBV	#	33
18) ACROLEIN	2.204	56	372m	0.11	PPBV		
19) FREON 123	2.222	83	2216	0.11	PPBV		95
20) FREON 123A	2.240	117	1387	0.10	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.307	101	3192	0.10	PPBV	#	93
22) ISOPROPYL ALCOHOL	2.332	45	1575	0.11	PPBV	#	58
24) PENTANE	2.423	42	617	0.11	PPBV	#	81
25) IODOMETHANE	2.484	142	2362	0.10	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.515	96	825	0.10	PPBV	#	76
27) CARBON DISULFIDE	2.655	76	1417	0.08	PPBV	#	100
29) BROMOETHENE	2.173	106	830	0.10	PPBV	#	81
30) ACRYLONITRILE	2.393	52	574	0.12	PPBV	#	64
31) METHYLENE CHLORIDE	2.551	84	791	0.11	PPBV		94
32) 3-CHLOROPROPENE	2.594	76	304m	0.08	PPBV		
33) FREON 113	2.655	151	1706	0.10	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.911	96	1526	0.11	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.551	59	1757	0.10	PPBV	#	61
36) METHYL TERTIARY BUTYL ...	3.039	73	3841	0.09	PPBV	#	82
37) TETRAHYDROFURAN	3.819	72	617	0.08	PPBV		92
38) HEXANE	3.539	57	2608	0.11	PPBV		95
39) VINYL ACETATE	3.069	86	289m	0.07	PPBV		
40) 1,1-DICHLOROETHANE	2.990	63	2602	0.10	PPBV	#	89
41) METHYL ETHYL KETONE	3.191	72	756	0.10	PPBV	#	87
42) CIS-1,2-DICHLOROETHENE	3.399	96	1488	0.09	PPBV		91
43) DIISOPROPYL ETHER	3.557	59	819	0.11	PPBV		87
44) ETHYL ACETATE	3.563	61	390m	0.09	PPBV		
45) METHYL ACRYLATE	3.539	55	2950	0.10	PPBV	#	65
46) CHLOROFORM	3.557	83	3394	0.11	PPBV		96
47) 2,4-DIMETHYLPENTANE	4.100	57	2842	0.09	PPBV		92
48) 1,1,1-TRICHLOROETHANE	4.185	97	2858	0.09	PPBV		97
49) CARBON TETRACHLORIDE	4.648	117	2579	0.08	PPBV		97
50) 1,2-DICHLOROETHANE	4.002	62	2476	0.10	PPBV	#	90
51) BENZENE	4.520	78	4468	0.10	PPBV		98
53) CYCLOHEXANE	4.752	84	1839	0.09	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:40:06 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

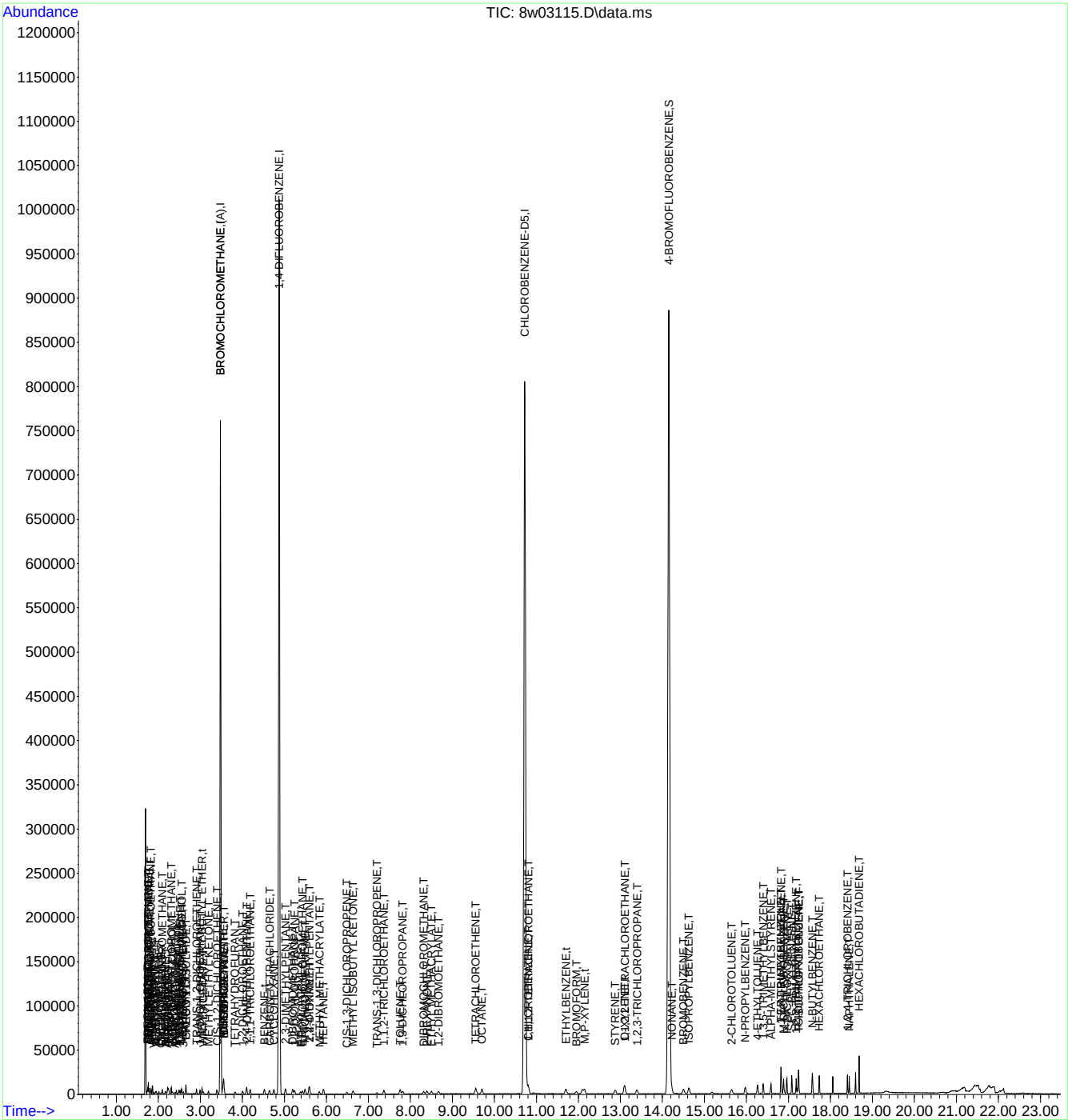
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54)	2,3-DIMETHYLPENTANE	5.026	71	938	0.09	PPBV #	86
55)	TRICHLOROETHENE	5.490	95	2145	0.10	PPBV	97
56)	1,2-DICHLOROPROPANE	5.240	63	1757	0.10	PPBV	99
57)	DIBROMOMETHANE	5.197	174	2171	0.11	PPBV	95
58)	ETHYL ACRYLATE	5.386	55	2994	0.08	PPBV #	72
59)	BROMODICHLOROMETHANE	5.429	83	2744	0.08	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.593	57	8006	0.10	PPBV #	96
61)	1,4-DIOXANE	5.593	88	1037	0.09	PPBV #	1
62)	HEPTANE	5.929	43	2309	0.09	PPBV	98
63)	METHYL METHACRYLATE	5.837	69	1440	0.09	PPBV	97
64)	METHYL ISOBUTYL KETONE	6.630	58	1537	0.10	PPBV	94
65)	CIS-1,3-DICHLOROPROPENE	6.489	75	1652	0.07	PPBV	96
66)	TOLUENE	7.758	91	5459	0.10	PPBV	95
67)	1,3-DICHLOROPROPANE	7.812	76	2730	0.10	PPBV #	91
68)	TRANS-1,3-DICHLOROPROPENE	7.203	75	1335	0.06	PPBV #	74
69)	1,1,2-TRICHLOROETHANE	7.367	83	1585	0.10	PPBV	97
70)	2-HEXANONE	8.392	58	1916	0.09	PPBV #	86
71)	ETHYL METHACRYLATE	8.501	69	2173	0.08	PPBV #	83
72)	TETRACHLOROETHENE	9.550	164	2149	0.09	PPBV	96
73)	DIBROMOCHLOROMETHANE	8.312	129	2226	0.07	PPBV #	89
74)	1,2-DIBROMOETHANE	8.672	107	2879	0.09	PPBV #	96
75)	OCTANE	9.702	43	3012	0.09	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.812	131	1920	0.08	PPBV	96
78)	CHLOROBENZENE	10.800	112	4988	0.10	PPBV	93
79)	ETHYLBENZENE	11.702	91	6872	0.08	PPBV	96
80)	M,P-XYLENE	12.147	91	10089	0.16	PPBV	90
81)	O-XYLENE	13.098	91	5365	0.08	PPBV	98
82)	STYRENE	12.872	104	3691	0.07	PPBV	99
83)	NONANE	14.220	43	3929	0.10	PPBV #	22
84)	BROMOFORM	11.952	173	2088	0.06	PPBV #	93
85)	1,1,2,2-TETRACHLOROETHANE	13.104	83	4444	0.10	PPBV #	92
86)	1,2,3-TRICHLOROPROPANE	13.397	75	3579	0.10	PPBV #	99
88)	ISOPROPYLBENZENE	14.628	120	1983	0.08	PPBV	96
89)	BROMOBENZENE	14.500	77	4160	0.09	PPBV	97
90)	2-CHLOROTOLUENE	15.646	126	1802	0.08	PPBV	97
91)	N-PROPYLBENZENE	15.969	120	1945	0.08	PPBV #	61
92)	4-ETHYLTOLUENE	16.262	105	7125	0.08	PPBV #	97
93)	1,3,5-TRIMETHYLBENZENE	16.402	105	6030	0.08	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.585	118	2844	0.08	PPBV	99
95)	TERT-BUTYLBENZENE	16.823	134	1461	0.09	PPBV	95
96)	1,2,4-TRIMETHYLBENZENE	16.829	105	6471	0.09	PPBV	97
98)	M-DICHLOROBENZENE	16.884	146	4873	0.10	PPBV	98
99)	P-DICHLOROBENZENE	16.963	146	4913	0.10	PPBV	99
100)	O-DICHLOROBENZENE	17.238	146	4716	0.10	PPBV	98
101)	SEC-BUTYLBENZENE	17.079	134	1807	0.09	PPBV	92
102)	1,2,3-TRIMETHYLBENZENE	17.183	105	6270	0.08	PPBV	94
103)	P-ISOPROPYLTOLUENE	17.250	134	2107	0.09	PPBV	99
104)	N-BUTYLBENZENE	17.567	134	1705	0.08	PPBV	83
105)	HEXACHLOROETHANE	17.731	117	1668	0.07	PPBV	99
106)	HEXACHLOROBUTADIENE	18.682	225	4195	0.11	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.408	180	3825	0.08	PPBV	98
108)	NAPHTHALENE	18.451	128	7991	0.08	PPBV	98
110)	TVHC as equiv Pentane	2.423	TIC	4756m	0.10	PPBV	

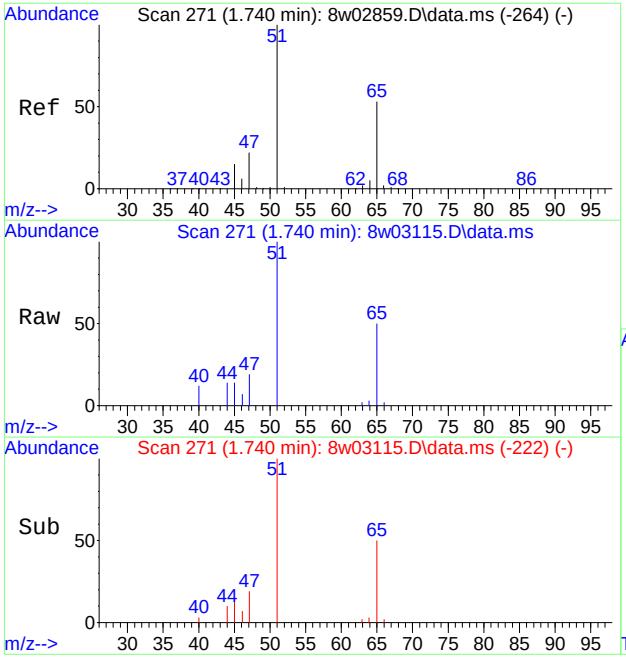
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:40:06 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

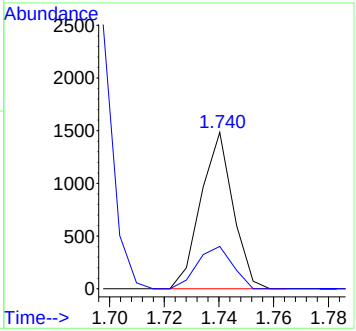


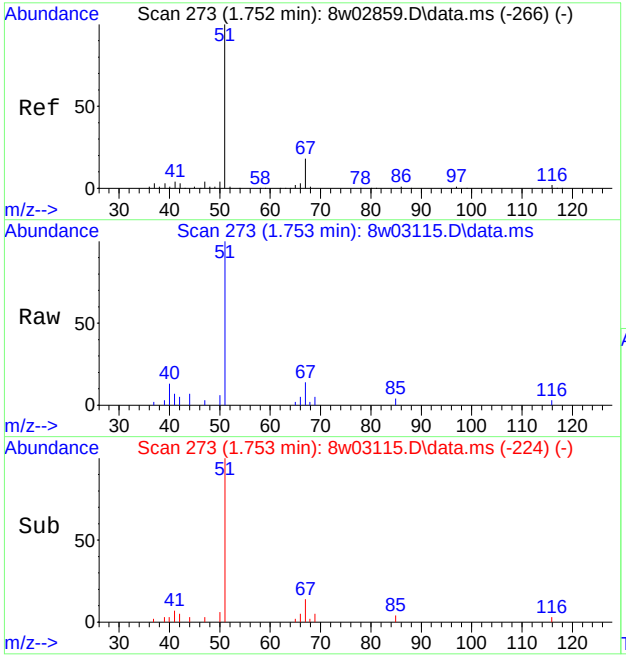


#3
FREON 152A
Concen: 0.13 PPBV m
RT: 1.740 min Scan# 271
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 65 Resp: 1217

Ion	Ratio	Lower	Upper
65	100		
45	43.1	21.5	32.3#

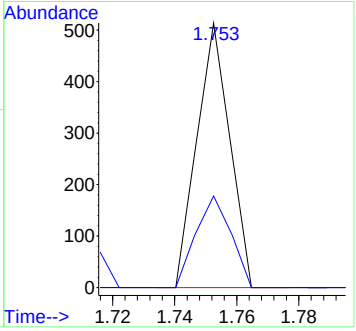


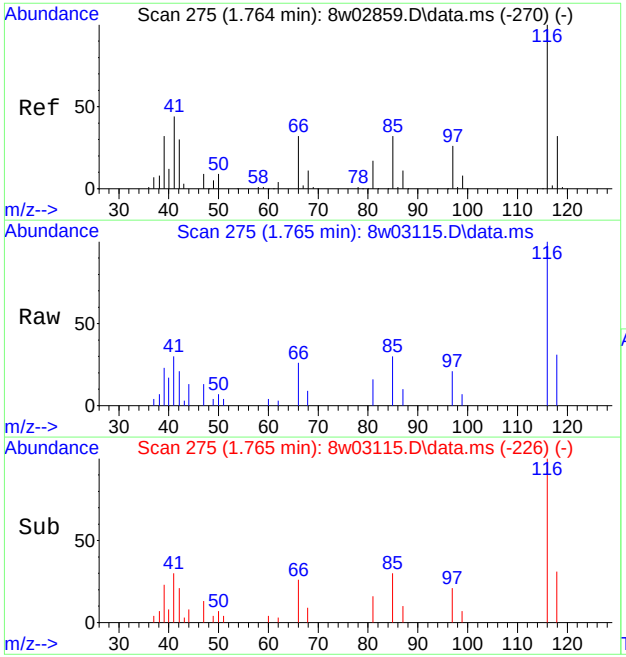


#4
CHLORODIFLUOROMETHANE
Concen: 0.09 PPBV m
RT: 1.753 min Scan# 273
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 67 Resp: 376

Ion	Ratio	Lower	Upper
67	100		
69	0.0	27.3	40.9#

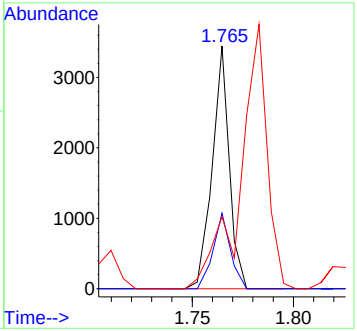


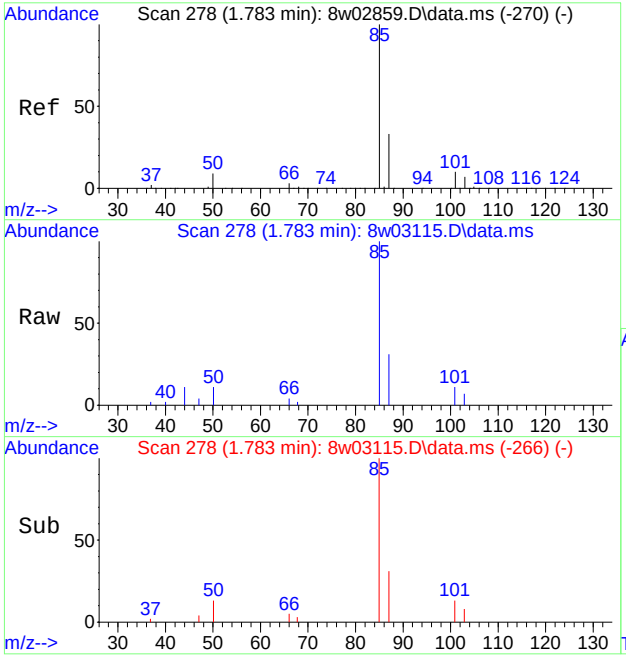


#5
CHLOROTRIFLUOROETHENE
Concen: 0.10 PPBV
RT: 1.765 min Scan# 275
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:116 Resp: 2014

Ion	Ratio	Lower	Upper
116	100		
118	31.7	26.1	39.1
85	172.4	137.4	206.2

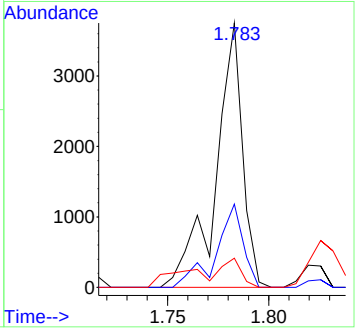


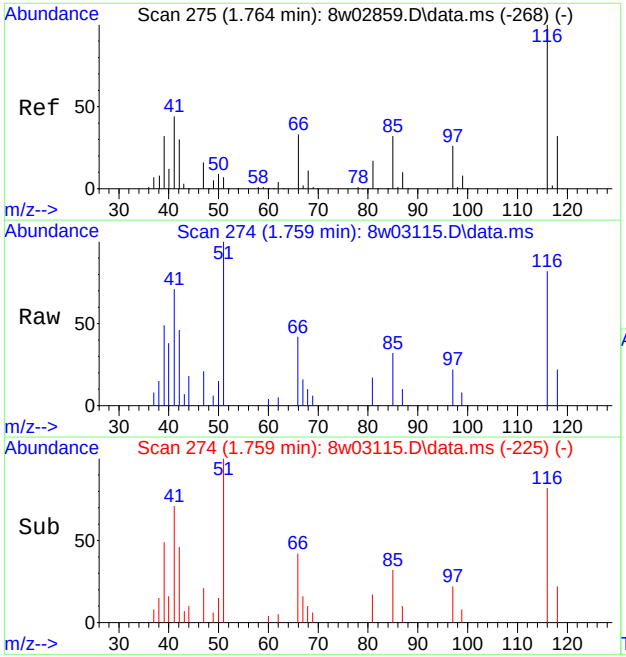


#6
DICHLORODIFLUOROMETHANE
Concen: 0.10 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 85 Resp: 3472

Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.3	39.5
50	0.0	13.8	20.6#

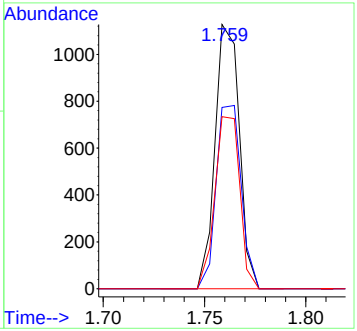


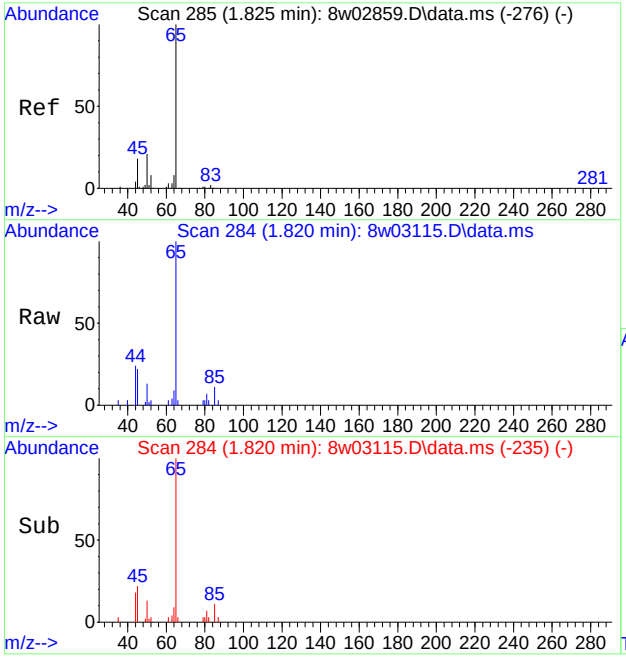


#7
PROPYLENE
Concen: 0.10 PPBV
RT: 1.759 min Scan# 274
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 41 Resp: 941

Ion	Ratio	Lower	Upper
41	100		
39	71.5	55.8	83.6
42	66.7	53.8	80.6

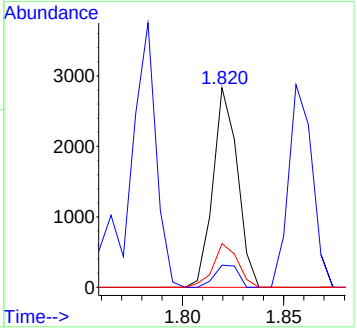


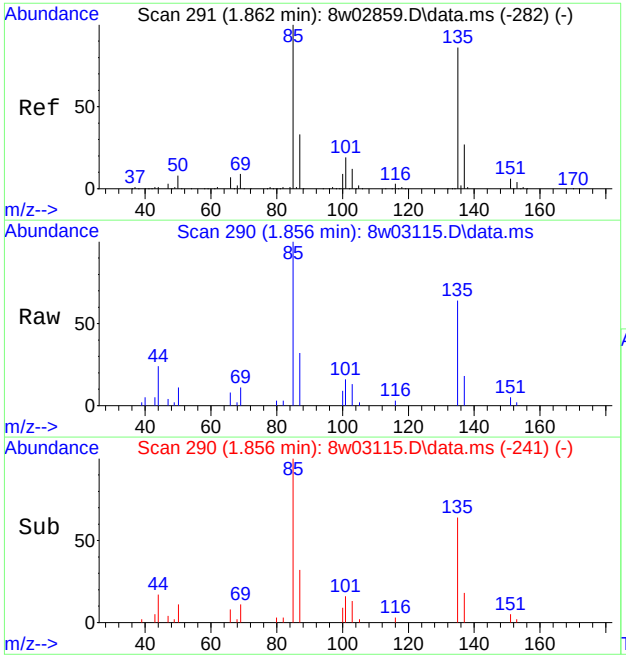


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.11 PPBV
RT: 1.820 min Scan# 284
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 65 Resp: 2383

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	22.0	15.9	23.9

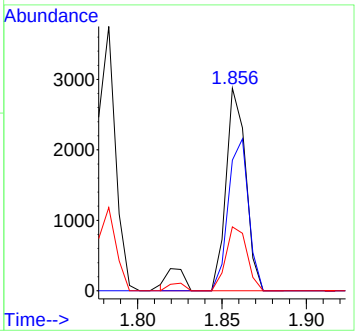


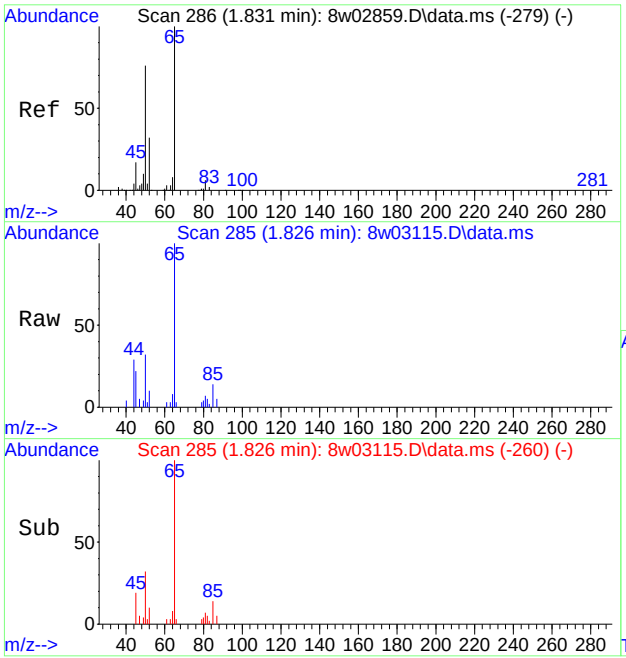


#9
FREON 114
Concen: 0.10 PPBV
RT: 1.856 min Scan# 290
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 85 Resp: 2559

Ion	Ratio	Lower	Upper
85	100		
135	70.5	54.9	82.3
87	33.9	25.8	38.8

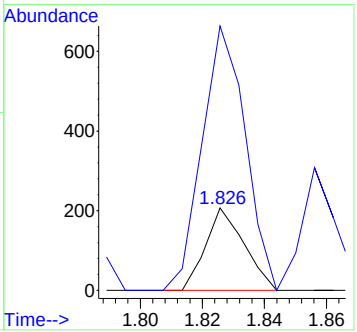


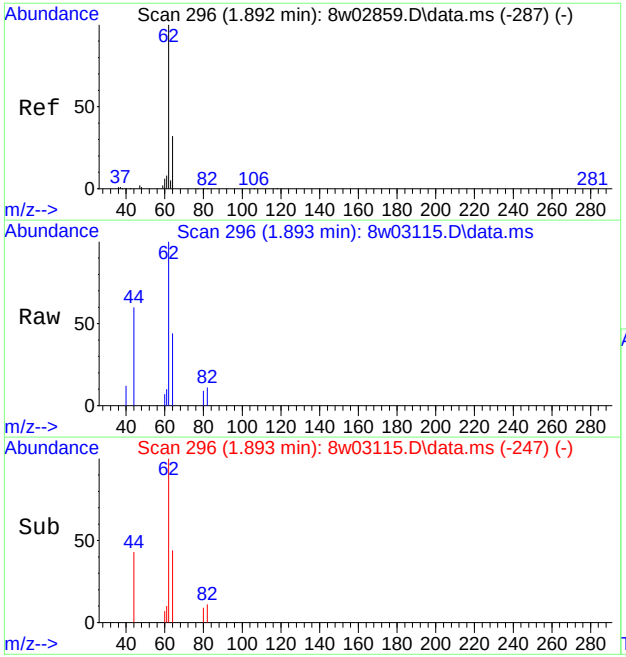


#10
CHLOROMETHANE
Concen: 0.10 PPBV m
RT: 1.826 min Scan# 285
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 52 Resp: 178

Ion	Ratio	Lower	Upper
52	100		
50	0.0	358.1	537.1#

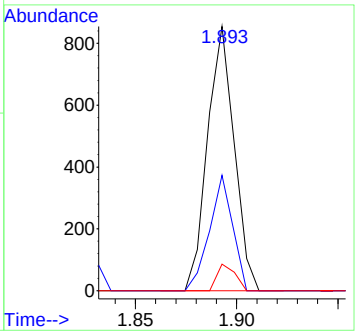


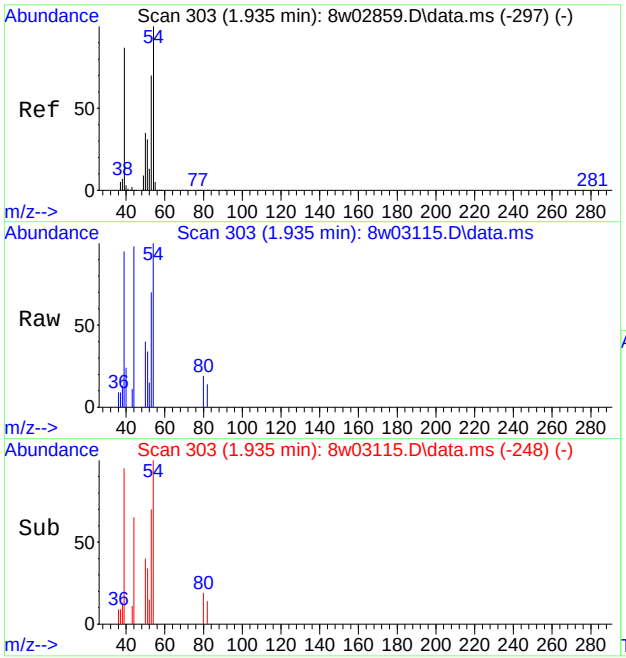


#11
VINYL CHLORIDE
Concen: 0.10 PPBV
RT: 1.893 min Scan# 296
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 62 Resp: 784

Ion	Ratio	Lower	Upper
62	100		
64	0.0	24.9	37.3#
61	0.0	7.0	10.4#

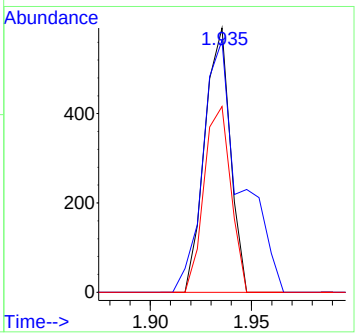


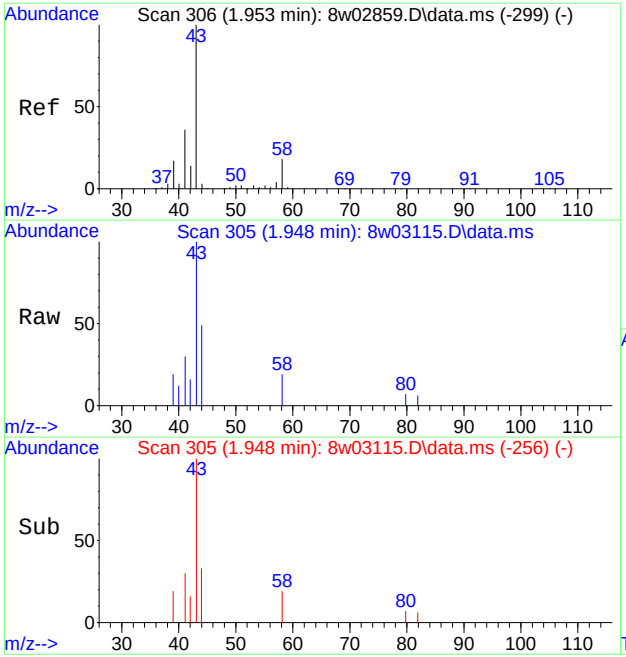


#12
1,3-BUTADIENE
Concen: 0.10 PPBV
RT: 1.935 min Scan# 303
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 54 Resp: 521

Ion	Ratio	Lower	Upper
54	100		
39	140.5	101.6	141.6
53	0.0	51.8	91.8#

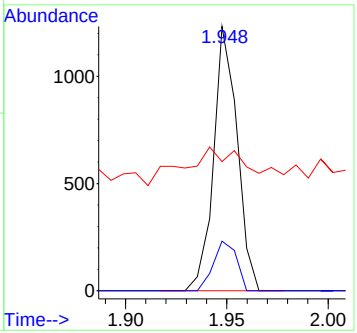


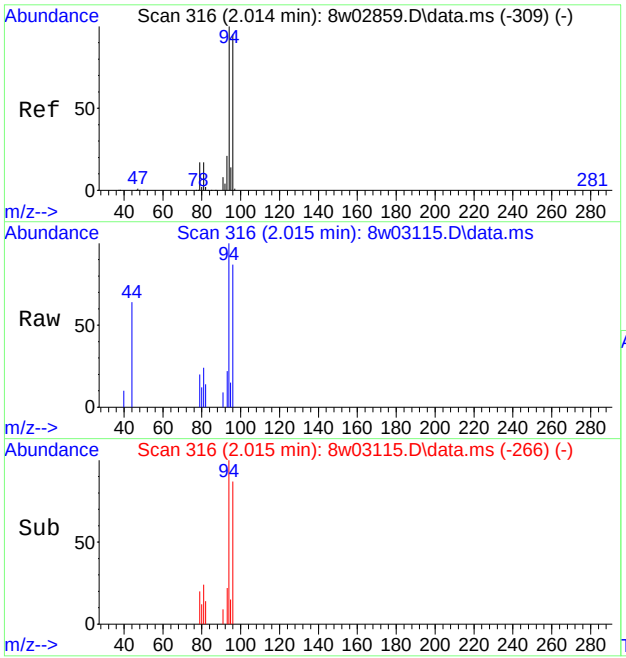


#13
N-BUTANE
Concen: 0.11 PPBV
RT: 1.948 min Scan# 305
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 43 Resp: 996

Ion	Ratio	Lower	Upper
43	100		
58	0.0	14.2	21.4#
44	0.0	2.9	4.3#

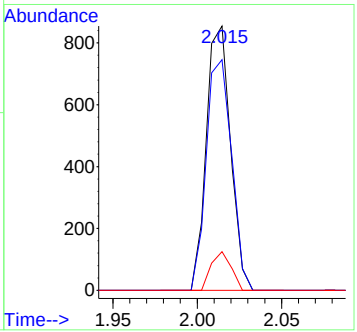


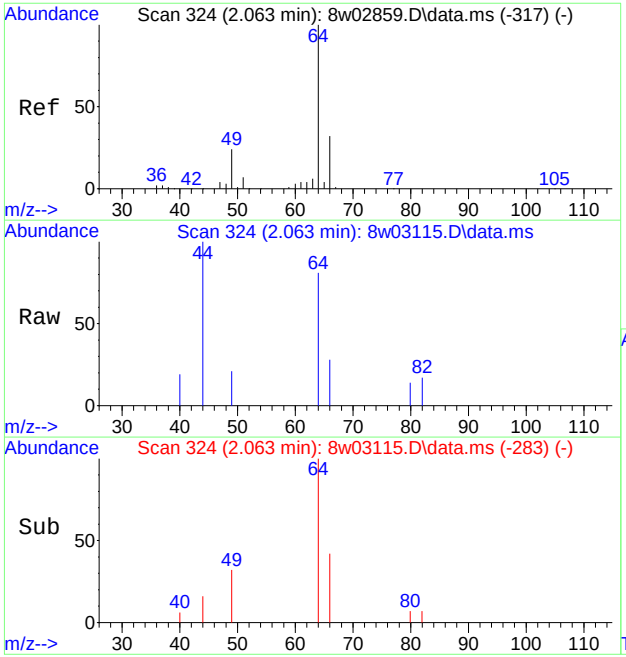


#14
BROMOMETHANE
Concen: 0.11 PPBV
RT: 2.015 min Scan# 316
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 94 Resp: 853

Ion	Ratio	Lower	Upper
94	100		
96	91.7	76.0	114.0
95	0.0	11.5	17.3#

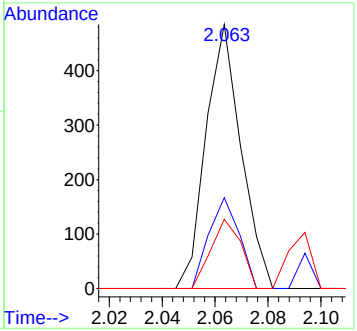


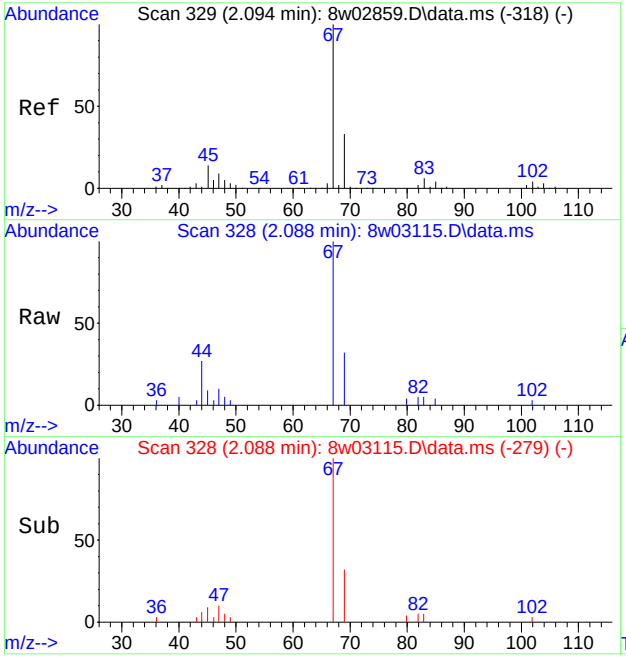


#15
CHLOROETHANE
Concen: 0.11 PPBV m
RT: 2.063 min Scan# 324
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 64 Resp: 447

Ion	Ratio	Lower	Upper
64	100		
66	0.0	36.3	54.5#
49	0.0	33.8	50.8#

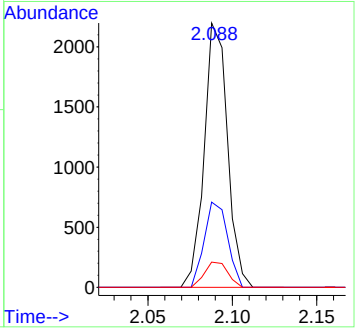


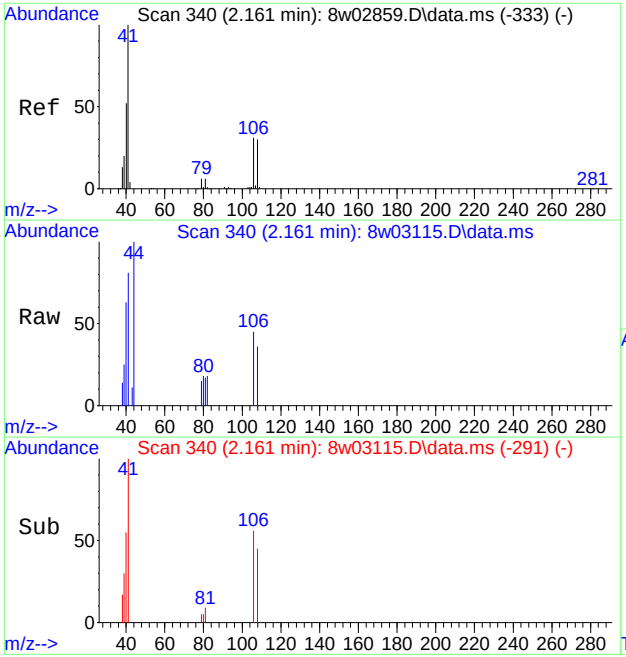


#16
DICHLOROFLUOROMETHANE
Concen: 0.10 PPBV
RT: 2.088 min Scan# 328
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 67 Resp: 2109

Ion	Ratio	Lower	Upper
67	100		
69	32.3	25.7	38.5
47	0.0	8.7	13.1#

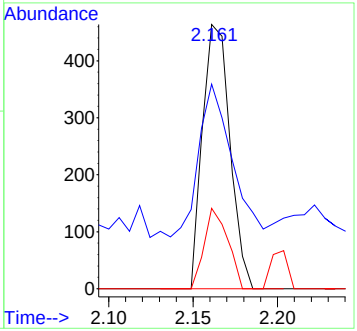


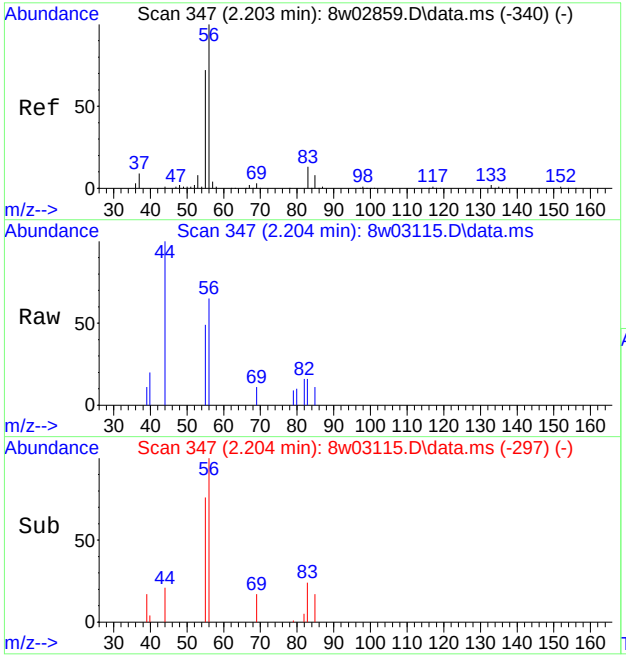


#17
ACETONITRILE
Concen: 0.11 PPBV
RT: 2.161 min Scan# 340
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 41 Resp: 524

Ion	Ratio	Lower	Upper
41	100		
40	0.0	43.3	64.9#
39	0.0	17.8	26.6#

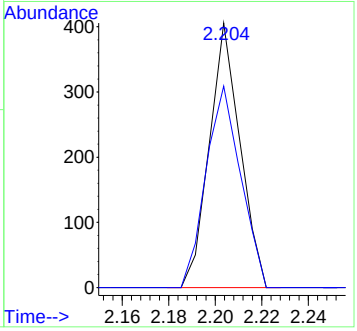


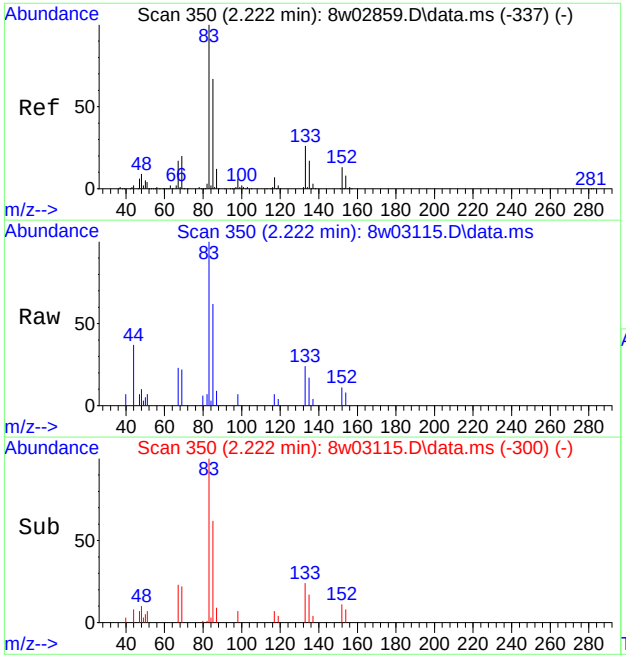


#18
ACROLEIN
Concen: 0.11 PPBV m
RT: 2.204 min Scan# 347
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 56 Resp: 372

Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.2	85.8#

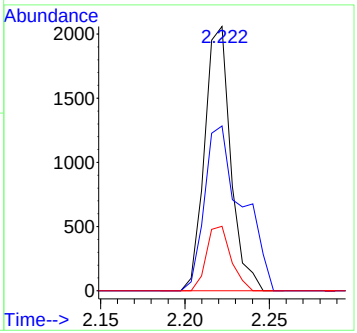


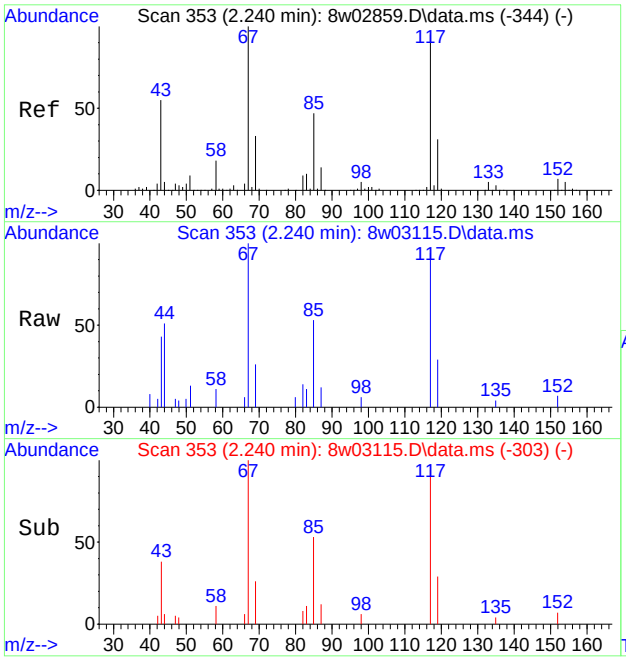


#19
FREON 123
Concen: 0.11 PPBV
RT: 2.222 min Scan# 350
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 83 Resp: 2216

Ion	Ratio	Lower	Upper
83	100		
85	89.3	73.7	110.5
133	23.0	22.6	34.0

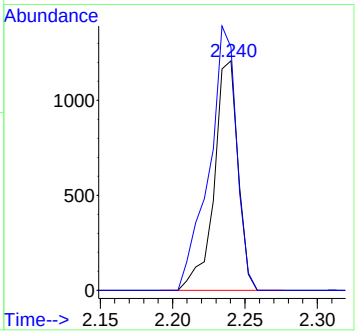


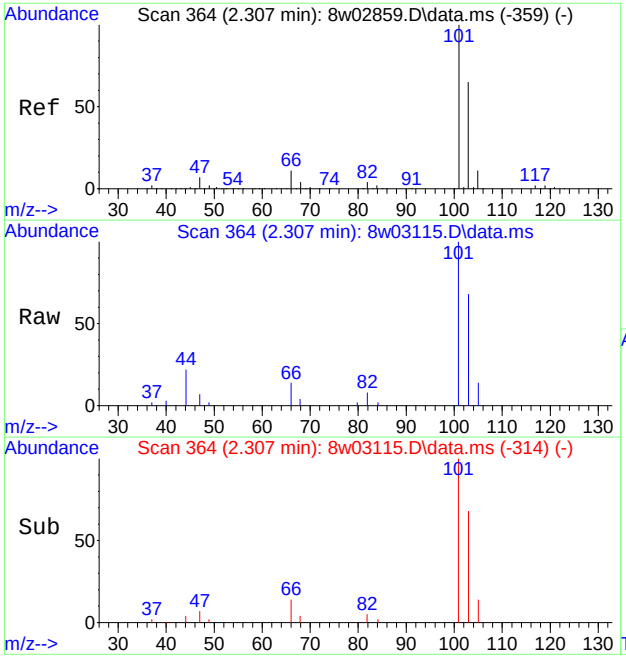


#20
FREON 123A
Concen: 0.10 PPBV
RT: 2.240 min Scan# 353
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:117 Resp: 1387

Ion	Ratio	Lower	Upper
117	100		
67	132.0	103.7	155.5

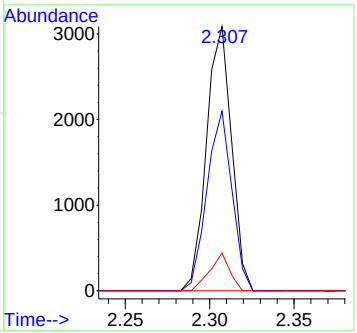


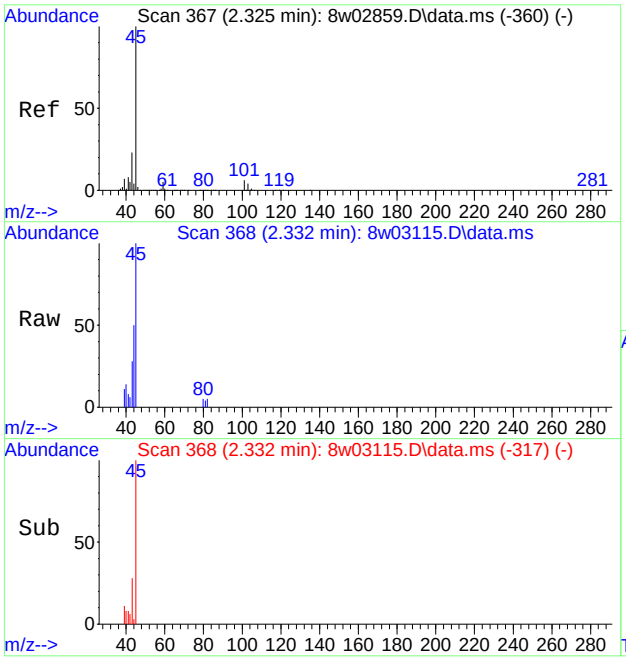


#21
TRICHLOROFLUOROMETHANE
Concen: 0.10 PPBV
RT: 2.307 min Scan# 364
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:101 Resp: 3192

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.0	78.0
105	0.0	8.3	12.5#

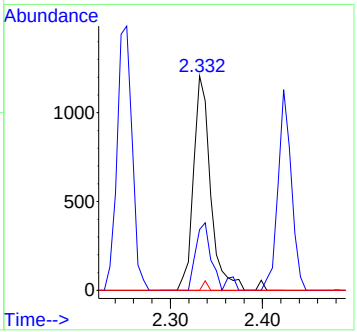


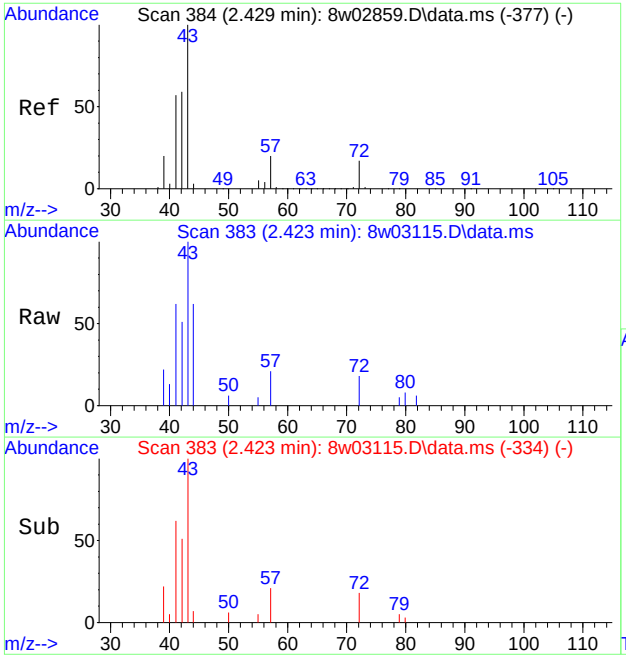


#22
ISOPROPYL ALCOHOL
Concen: 0.11 PPBV
RT: 2.332 min Scan# 368
Delta R.T. 0.012 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 45 Resp: 1575

Ion	Ratio	Lower	Upper
45	100		
43	0.0	18.8	28.2#
59	0.0	3.8	5.6#

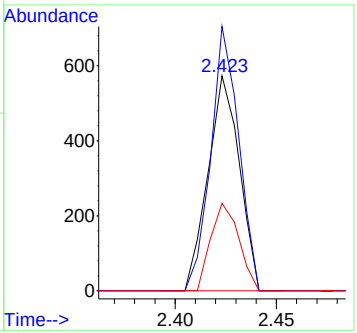


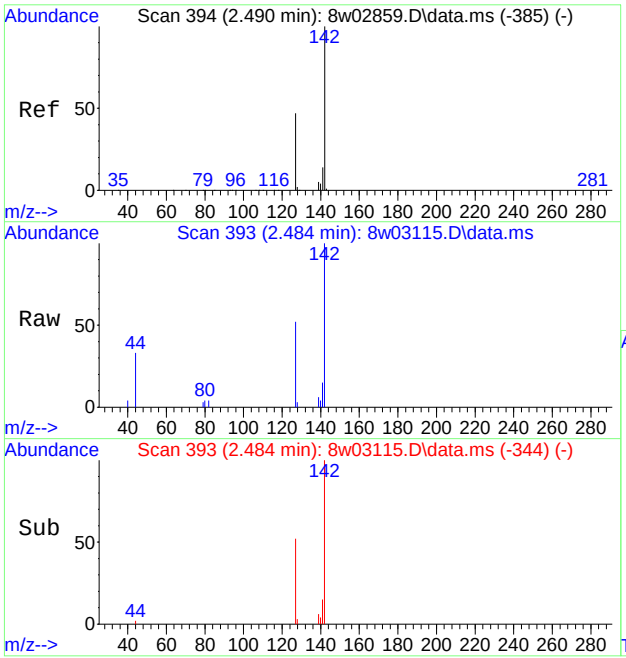


#24
PENTANE
Concen: 0.11 PPBV
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 42 Resp: 617

Ion	Ratio	Lower	Upper
42	100		
41	109.7	84.2	126.4
57	0.0	28.9	43.3#

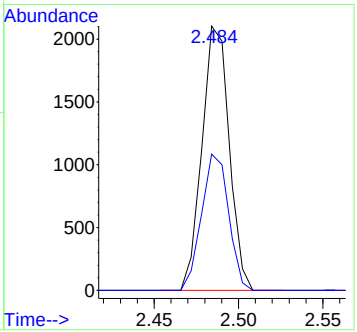


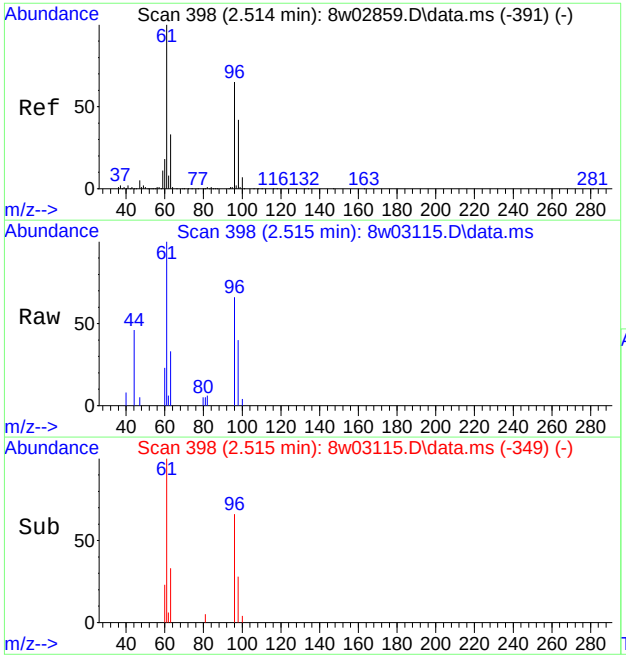


#25
IODOMETHANE
Concen: 0.10 PPBV
RT: 2.484 min Scan# 393
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:142 Resp: 2362

Ion	Ratio	Lower	Upper
142	100		
127	51.3	41.2	61.8

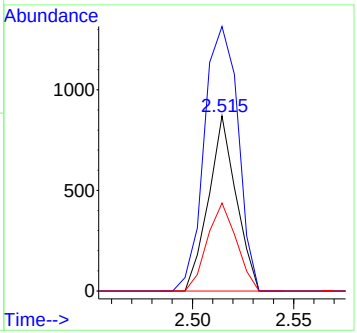


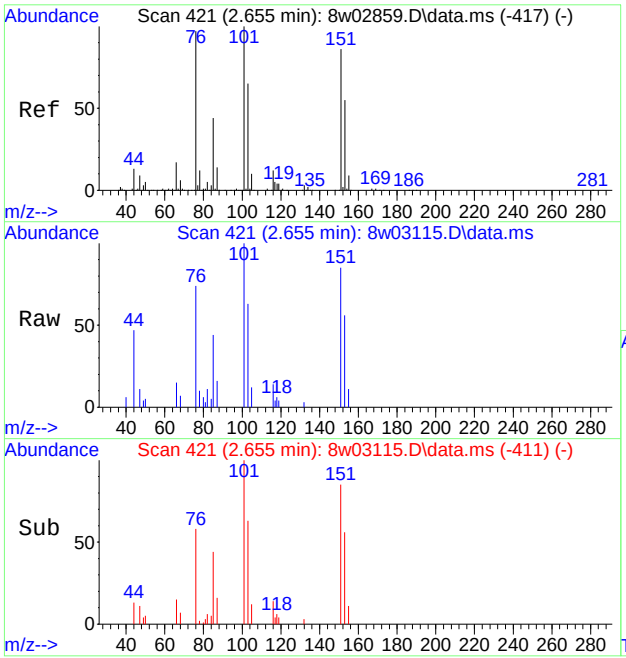


#26
1,1-DICHLOROETHYLENE
Concen: 0.10 PPBV
RT: 2.515 min Scan# 398
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 96 Resp: 825

Ion	Ratio	Lower	Upper
96	100		
61	185.5	141.9	212.9
63	0.0	47.2	70.8#

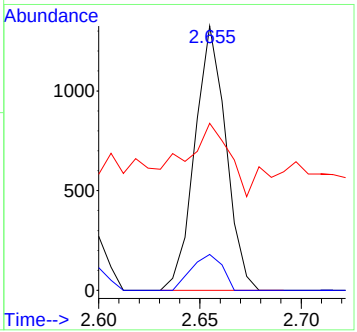


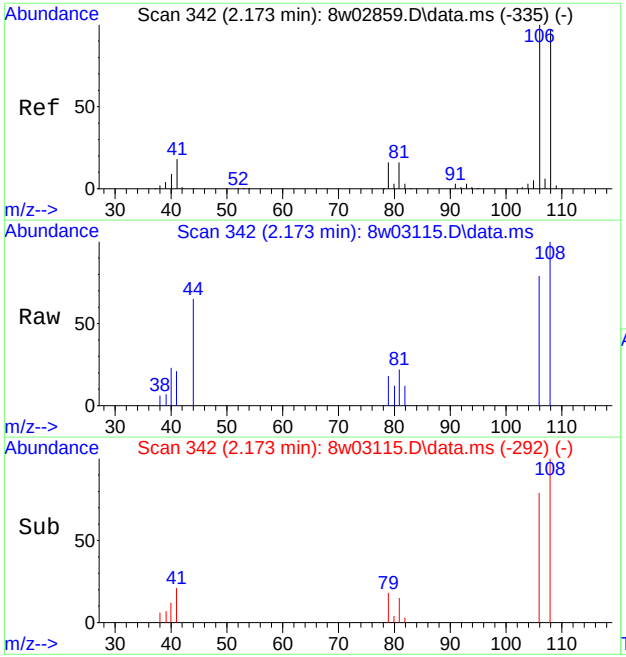


#27
CARBON DISULFIDE
Concen: 0.08 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 76 Resp: 1417

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	0.0
44	0.0	0.0	0.0

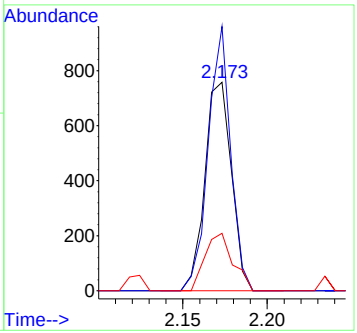


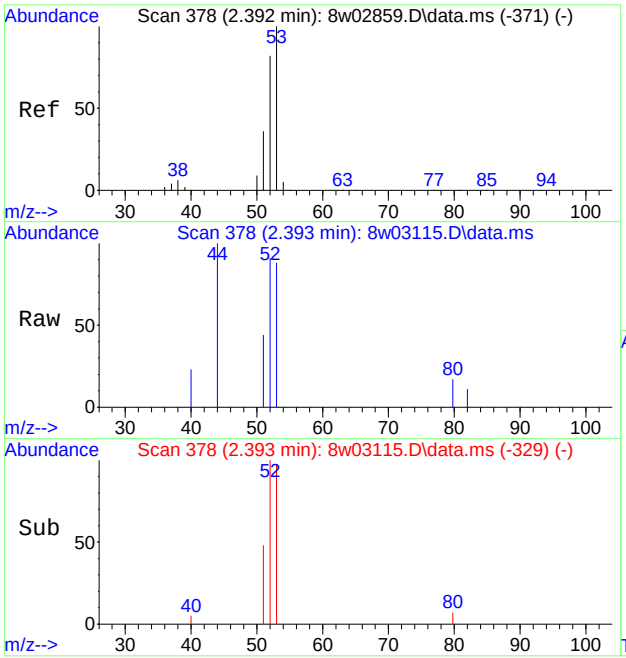


#29
BROMOETHENE
Concen: 0.10 PPBV
RT: 2.173 min Scan# 342
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:106 Resp: 830

Ion	Ratio	Lower	Upper
106	100		
108	107.0	74.6	111.8
81	0.0	14.5	21.7#

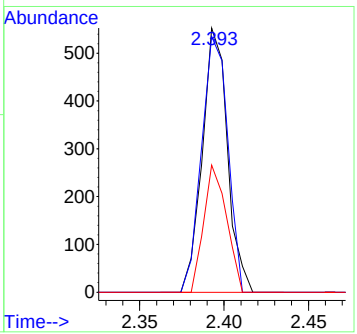


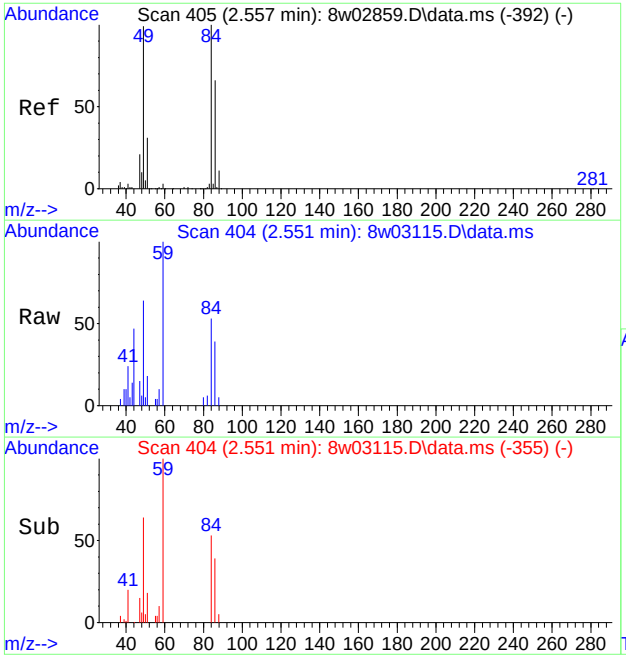


#30
ACRYLONITRILE
Concen: 0.12 PPBV
RT: 2.393 min Scan# 378
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 52 Resp: 574

Ion	Ratio	Lower	Upper
52	100		
53	100.7	99.6	149.4
51	0.0	40.1	60.1#

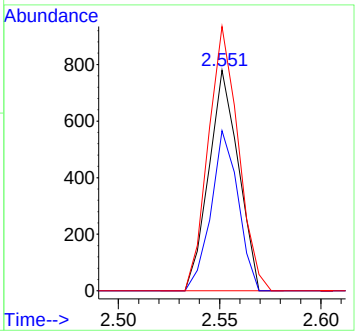


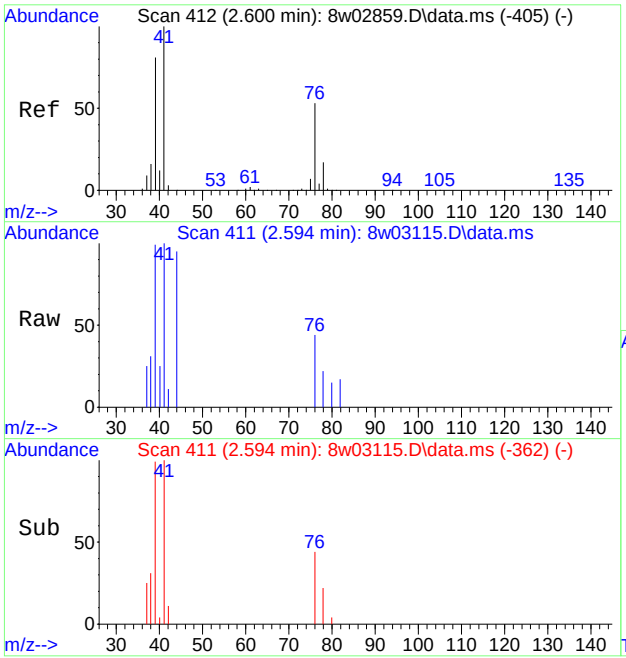


#31
METHYLENE CHLORIDE
Concen: 0.11 PPBV
RT: 2.551 min Scan# 404
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 84 Resp: 791

Ion	Ratio	Lower	Upper
84	100		
86	66.6	51.0	76.4
49	122.3	92.1	138.1

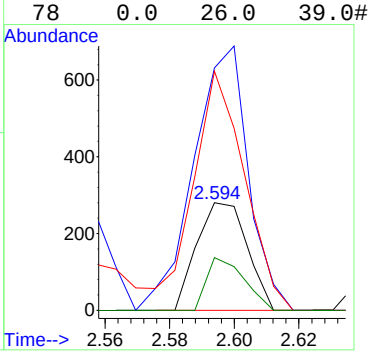


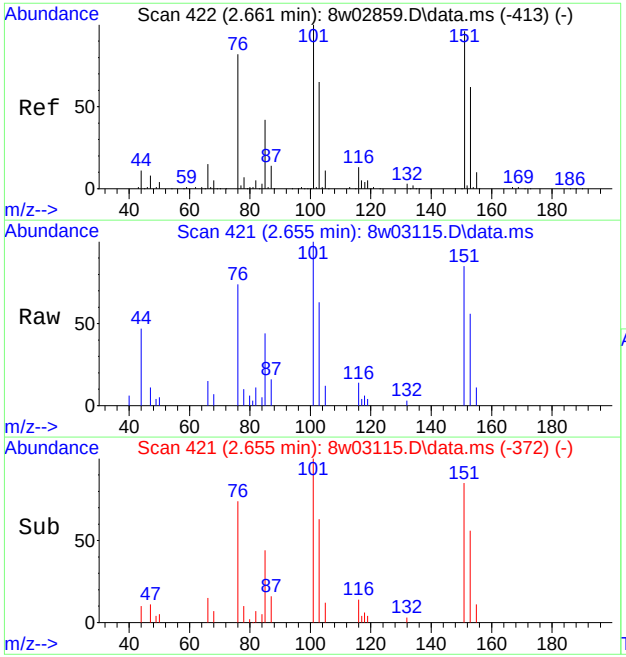


#32
3-CHLOROPROPENE
Concen: 0.08 PPBV m
RT: 2.594 min Scan# 411
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 76 Resp: 304

Ion	Ratio	Lower	Upper
76	100		
41	0.0	170.6	256.0#
39	0.0	151.0	226.4#
78	0.0	26.0	39.0#

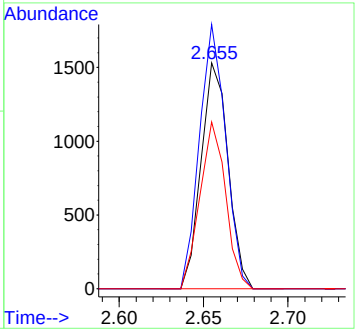


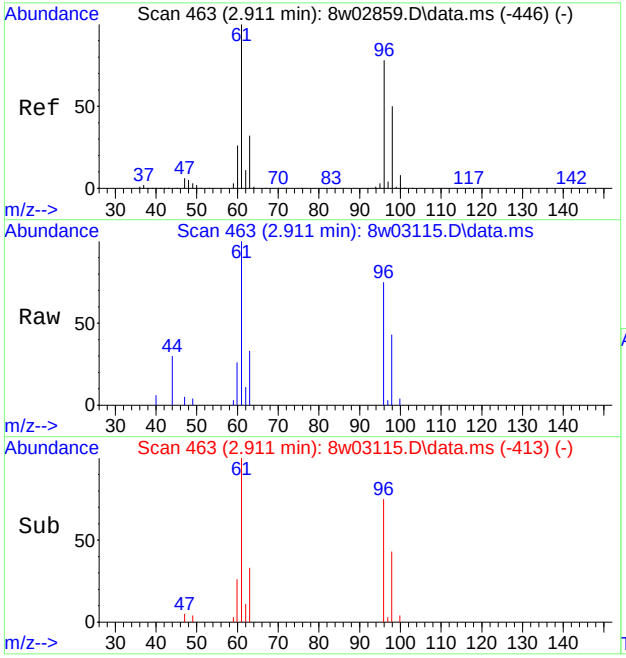


#33
FREON 113
Concen: 0.10 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:151 Resp: 1706

Ion	Ratio	Lower	Upper
151	100		
101	113.8	89.6	134.4
103	70.4	58.4	87.6

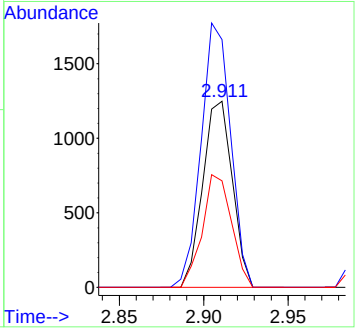


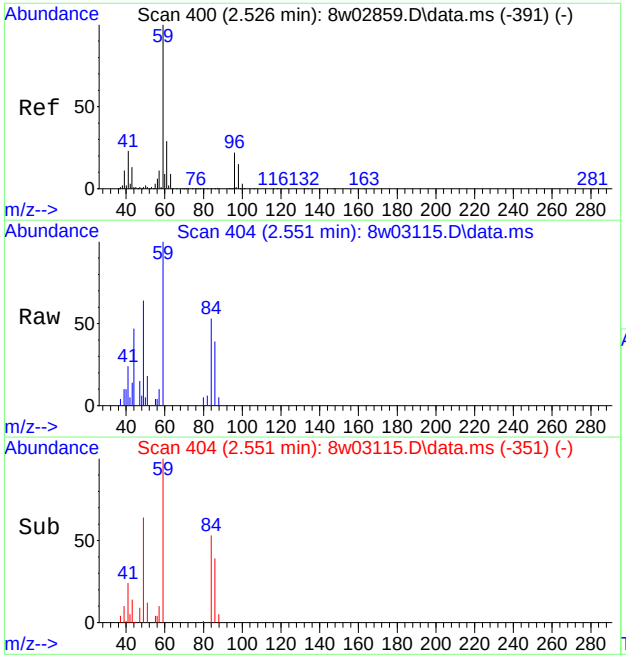


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.11 PPBV
RT: 2.911 min Scan# 463
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 96 Resp: 1526

Ion	Ratio	Lower	Upper
96	100		
61	141.7	120.8	181.2
98	59.6	51.0	76.4

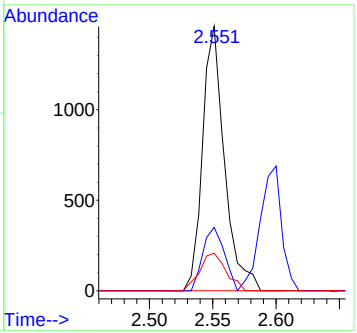


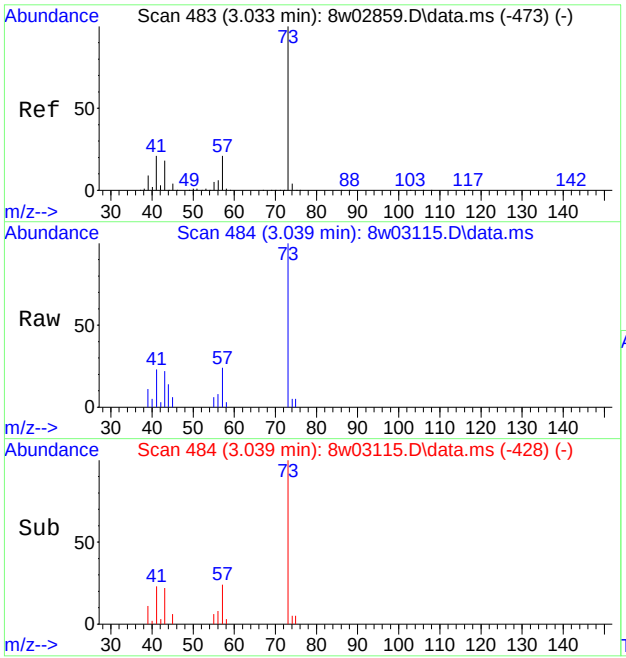


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.10 PPBV
RT: 2.551 min Scan# 404
Delta R.T. 0.024 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 59 Resp: 1757

Ion	Ratio	Lower	Upper
59	100		
41	0.0	16.1	24.1#
43	0.0	10.2	15.4#

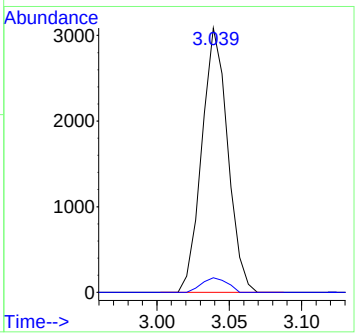


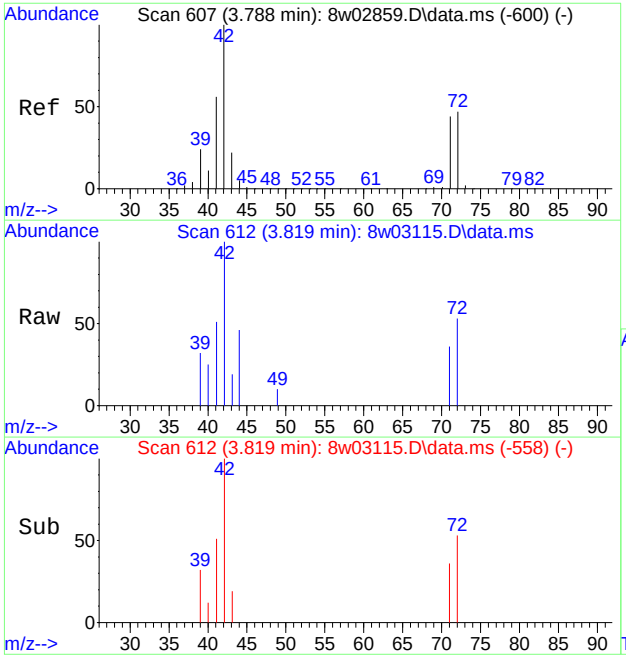


#36
METHYL TERTIARY BUTYL ETHER
Concen: 0.09 PPBV
RT: 3.039 min Scan# 484
Delta R.T. 0.012 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 73 Resp: 3841

Ion	Ratio	Lower	Upper
73	100		
45	0.0	4.7	7.1#

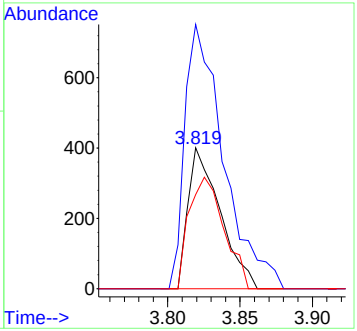


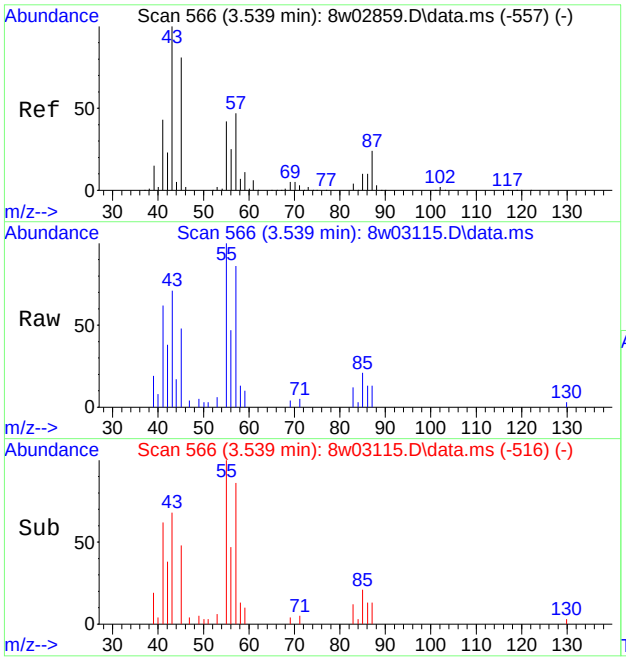


#37
TETRAHYDROFURAN
Concen: 0.08 PPBV
RT: 3.819 min Scan# 612
Delta R.T. 0.030 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 72 Resp: 617

Ion	Ratio	Lower	Upper
72	100		
42	227.6	170.8	256.2
71	86.2	74.3	111.5

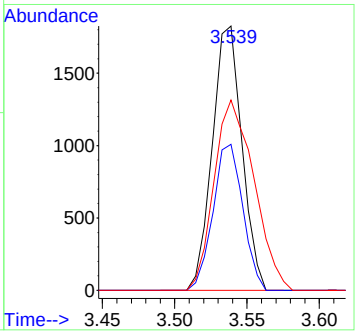


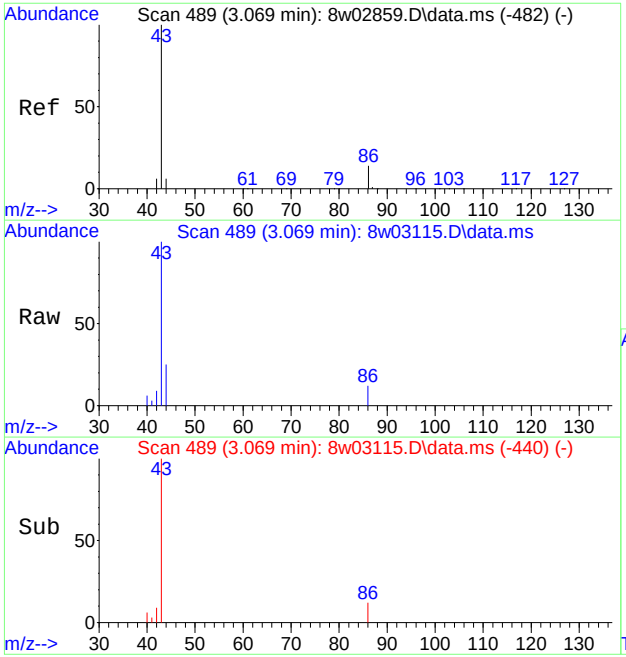


#38
HEXANE
Concen: 0.11 PPBV
RT: 3.539 min Scan# 566
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 57 Resp: 2608

Ion	Ratio	Lower	Upper
57	100		
56	55.6	43.8	65.8
41	96.9	72.2	108.4

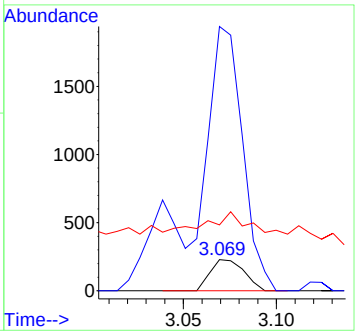


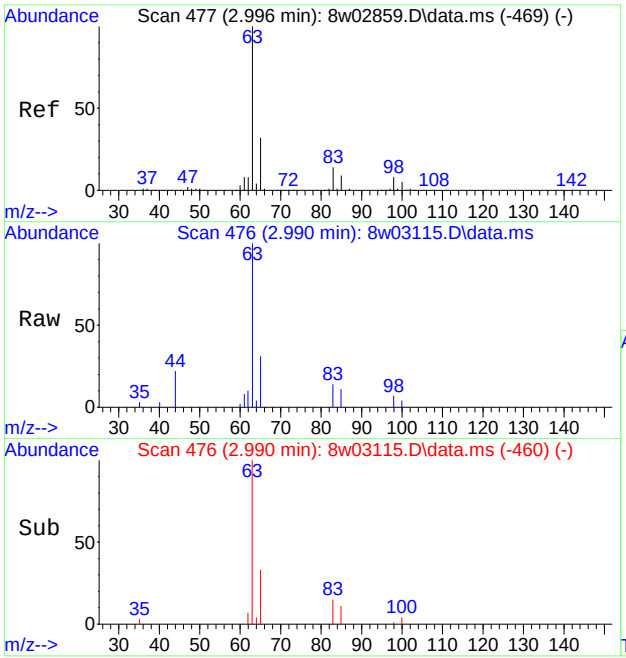


#39
VINYL ACETATE
Concen: 0.07 PPBV m
RT: 3.069 min Scan# 489
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 86 Resp: 289

Ion	Ratio	Lower	Upper
86	100		
43	0.0	860.3	1290.5#
44	0.0	44.2	66.2#

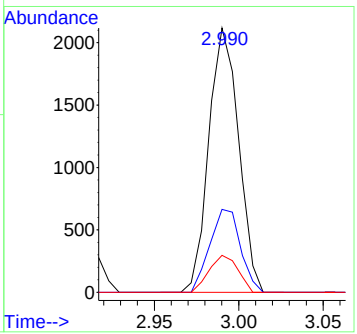


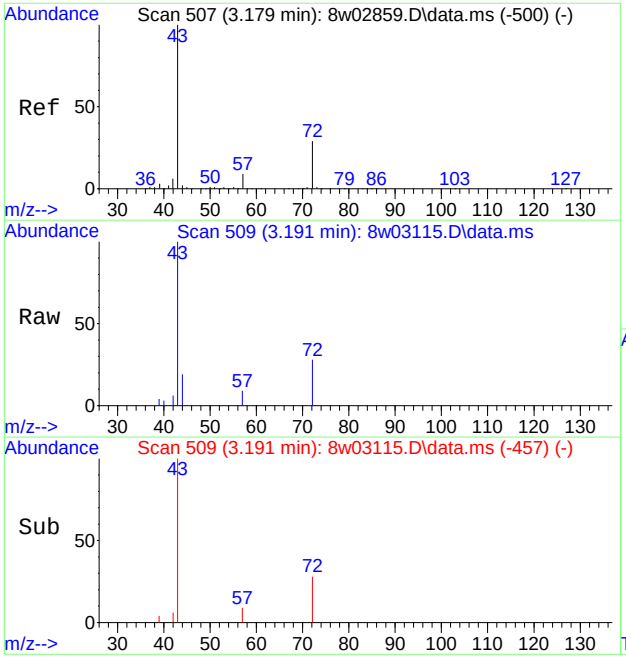


#40
1,1-DICHLOROETHANE
Concen: 0.10 PPBV
RT: 2.990 min Scan# 476
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 63 Resp: 2602

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.0	37.4
83	0.0	10.5	15.7#

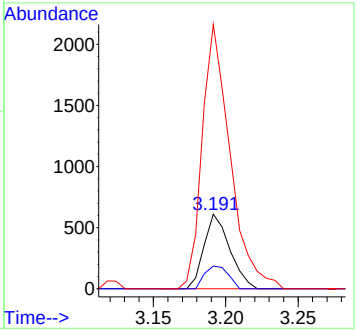


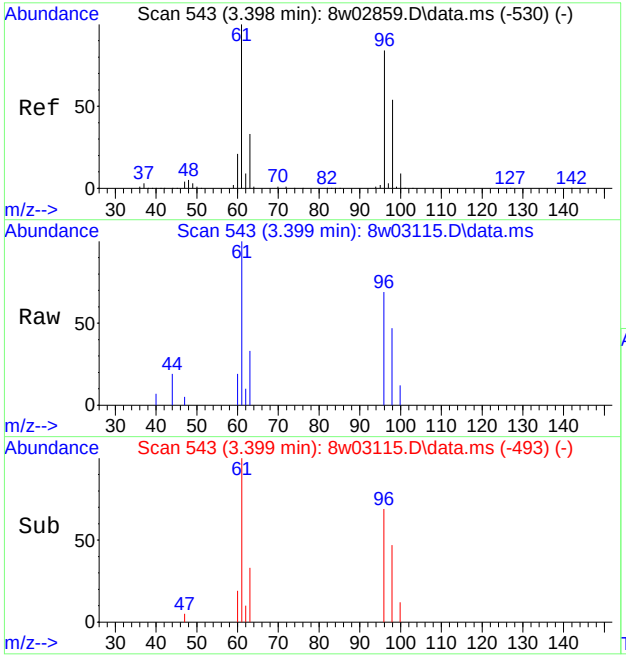


#41
METHYL ETHYL KETONE
Concen: 0.10 PPBV
RT: 3.191 min Scan# 509
Delta R.T. 0.018 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 72 Resp: 756

Ion	Ratio	Lower	Upper
72	100		
57	0.0	27.8	41.8#
43	385.1	292.3	438.5

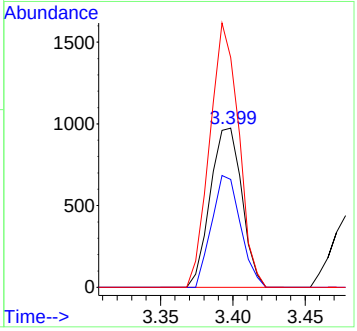


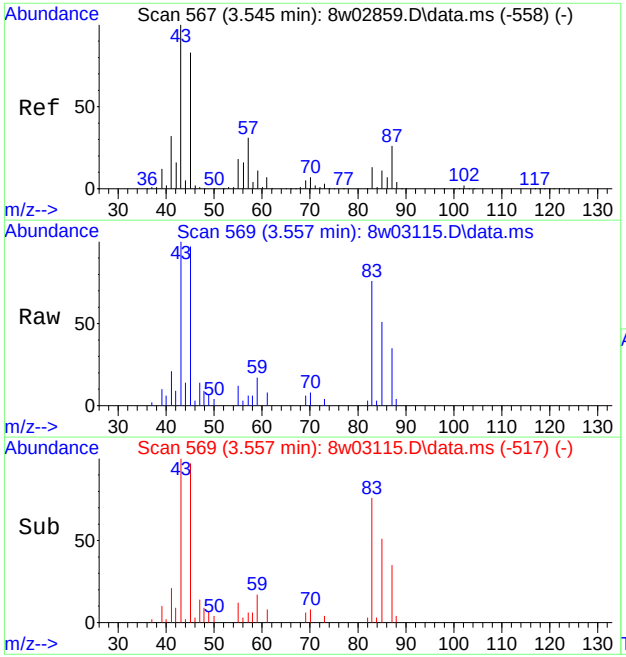


#42
CIS-1,2-DICHLOROETHENE
Concen: 0.09 PPBV
RT: 3.399 min Scan# 543
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 96 Resp: 1488

Ion	Ratio	Lower	Upper
96	100		
98	64.2	50.9	76.3
61	151.8	109.1	163.7

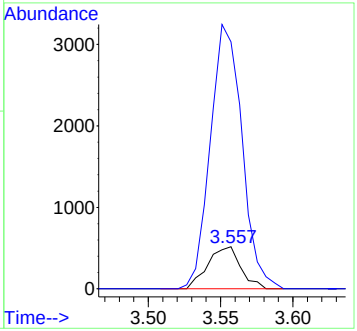


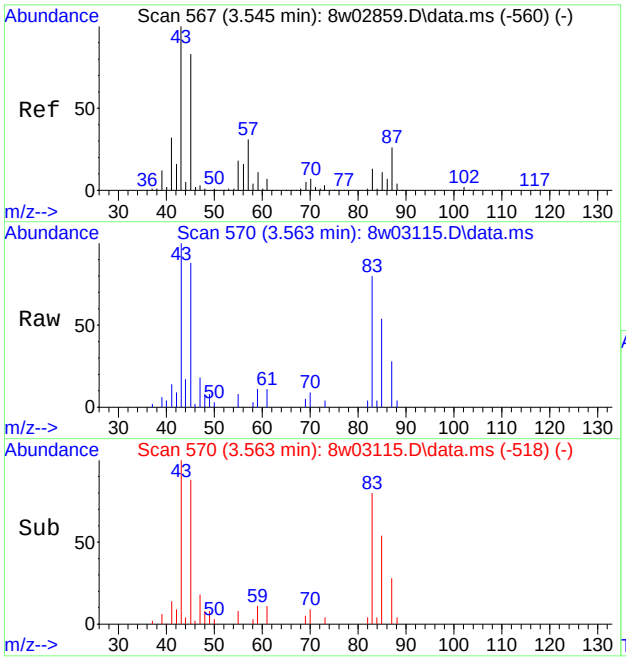


#43
DIISOPROPYL ETHER
Concen: 0.11 PPBV
RT: 3.557 min Scan# 569
Delta R.T. 0.018 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 59 Resp: 819

Ion	Ratio	Lower	Upper
59	100		
45	605.4	517.9	776.9

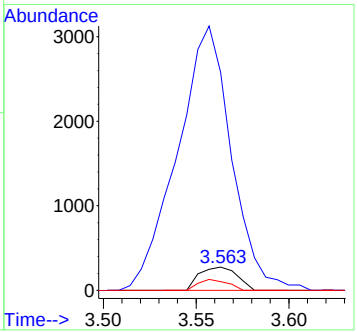


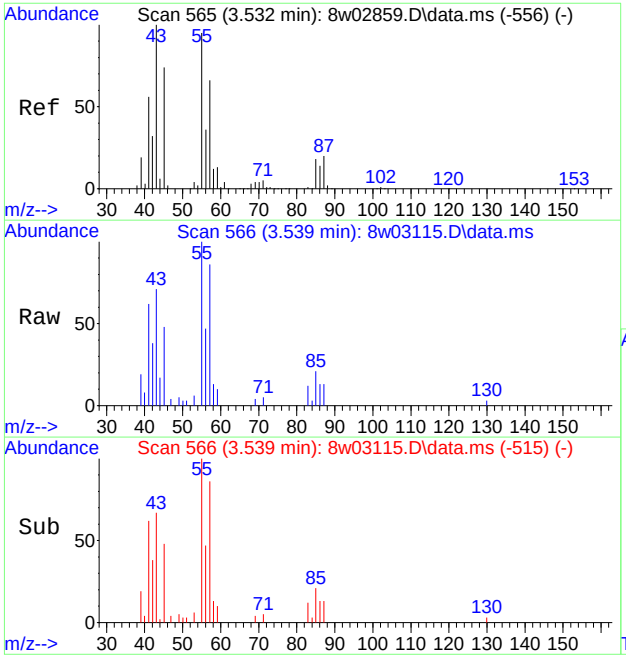


#44
ETHYL ACETATE
Concen: 0.09 PPBV m
RT: 3.563 min Scan# 570
Delta R.T. 0.018 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 61 Resp: 390

Ion	Ratio	Lower	Upper
61	100		
43	0.0	1039.8	1559.8#
88	0.0	37.8	56.8#

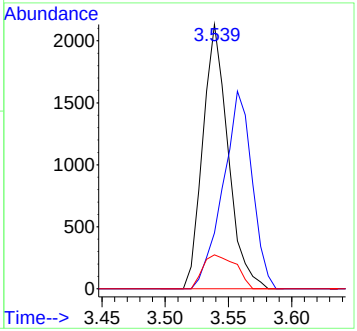


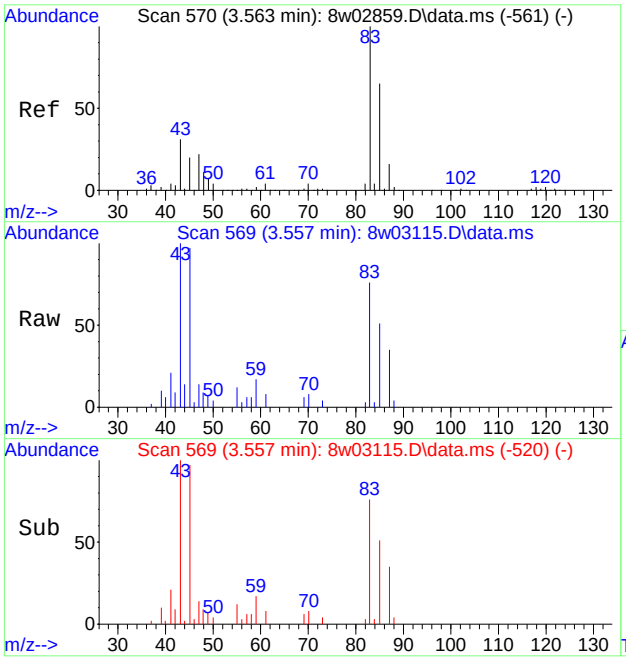


#45
METHYL ACRYLATE
Concen: 0.10 PPBV
RT: 3.539 min Scan# 566
Delta R.T. 0.012 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 55 Resp: 2950

Ion	Ratio	Lower	Upper
55	100		
85	86.8	0.0	0.0#
58	0.0	11.5	17.3#

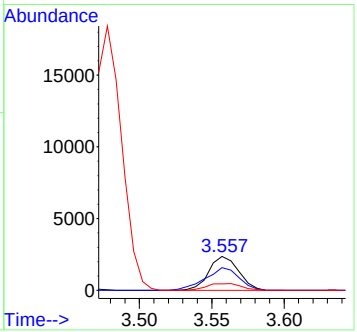


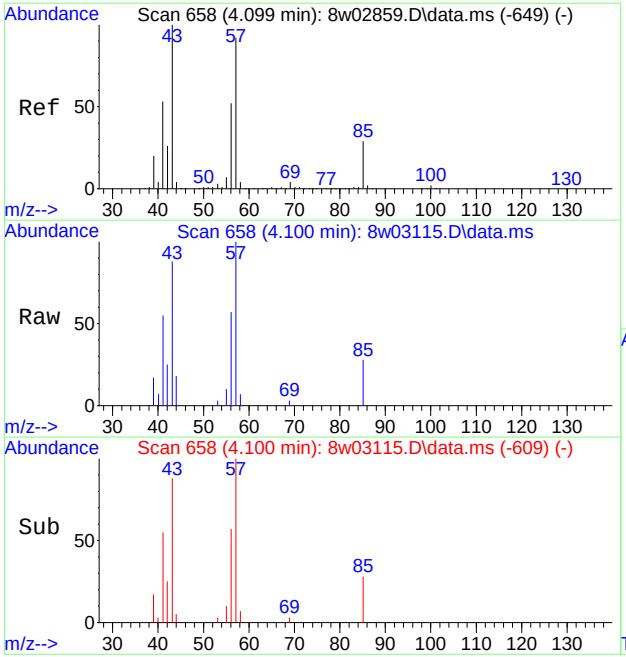


#46
CHLOROFORM
Concen: 0.11 PPBV
RT: 3.557 min Scan# 569
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 83 Resp: 3394

Ion	Ratio	Lower	Upper
83	100		
85	75.4	63.4	95.2
47	23.5	18.5	27.7

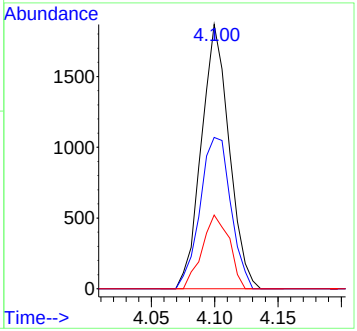


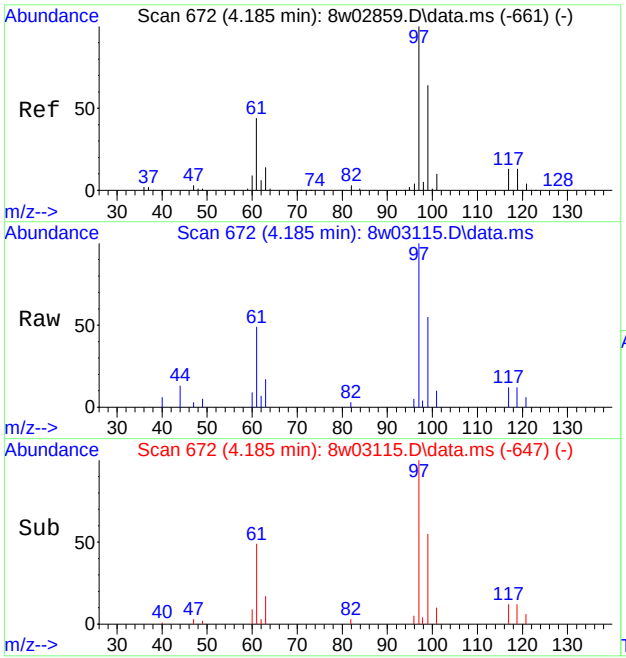


#47
2,4-DIMETHYLPENTANE
Concen: 0.09 PPBV
RT: 4.100 min Scan# 658
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 57 Resp: 2842

Ion	Ratio	Lower	Upper
57	100		
56	63.5	44.2	66.4
85	27.3	22.3	33.5

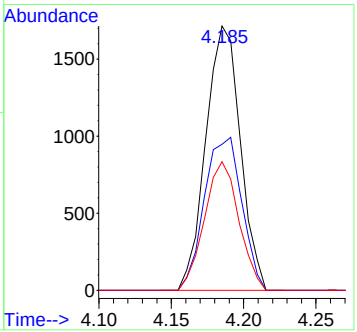


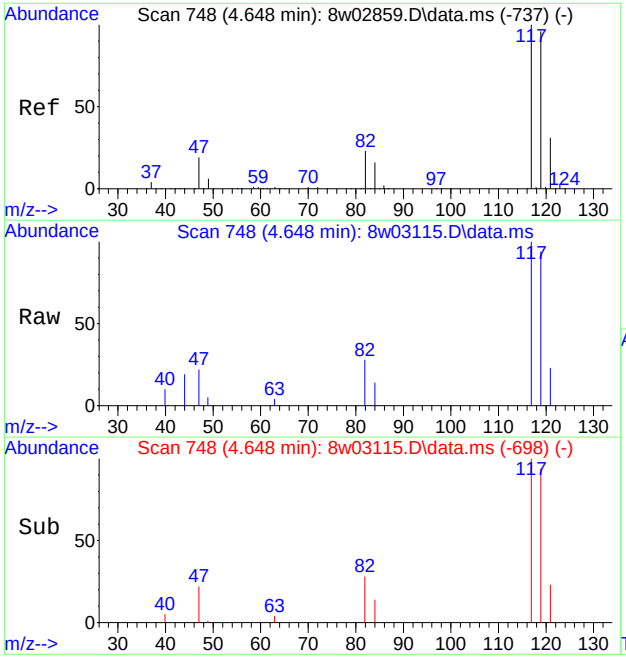


#48
1,1,1-TRICHLOROETHANE
Concen: 0.09 PPBV
RT: 4.185 min Scan# 672
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 97 Resp: 2858

Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.3	76.9
61	48.5	35.8	53.6

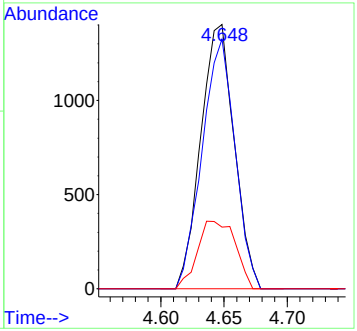


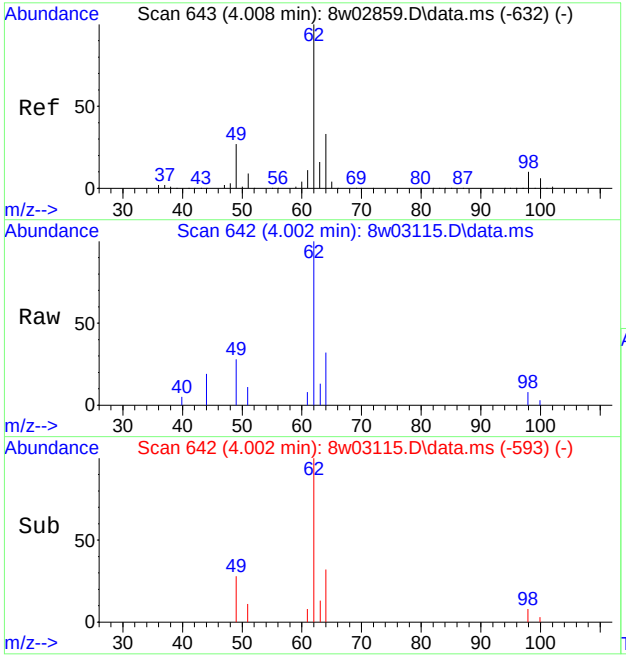


#49
CARBON TETRACHLORIDE
Concen: 0.08 PPBV
RT: 4.648 min Scan# 748
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:117 Resp: 2579

Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.2	114.2
121	28.9	24.4	36.6

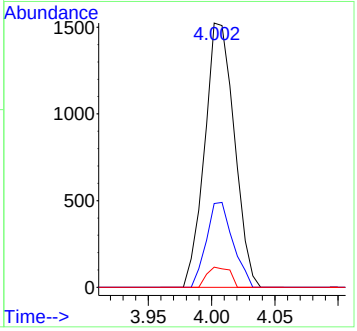


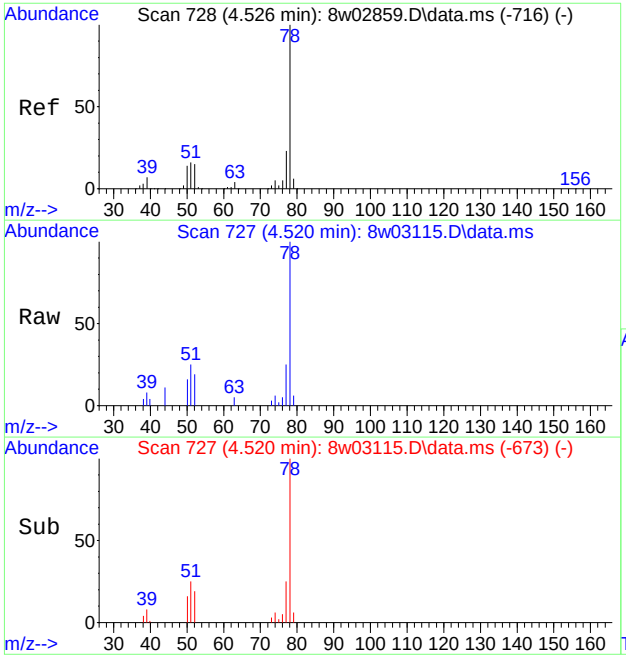


#50
1,2-DICHLOROETHANE
Concen: 0.10 PPBV
RT: 4.002 min Scan# 642
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 62 Resp: 2476

Ion	Ratio	Lower	Upper
62	100		
64	28.7	25.6	38.4
98	0.0	7.1	10.7#

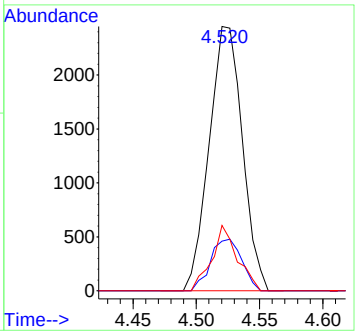


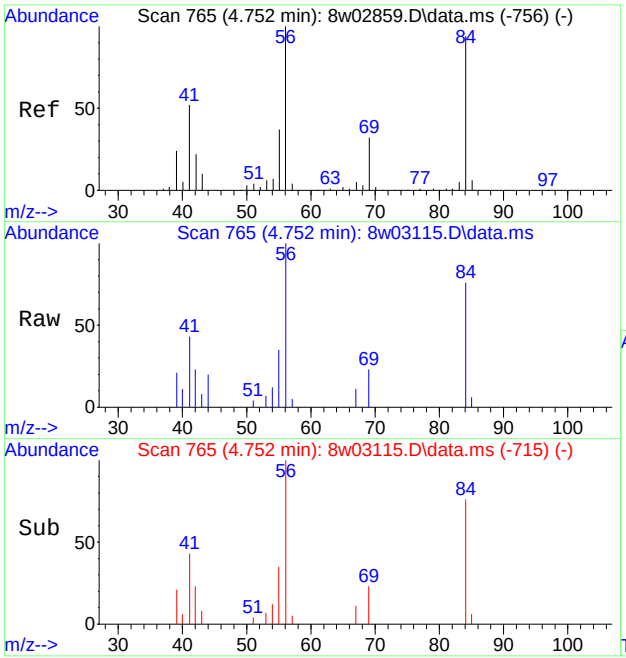


#51
BENZENE
Concen: 0.10 PPBV
RT: 4.520 min Scan# 727
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 78 Resp: 4468

Ion	Ratio	Lower	Upper
78	100		
52	18.4	0.0	37.6
51	19.1	0.0	38.0

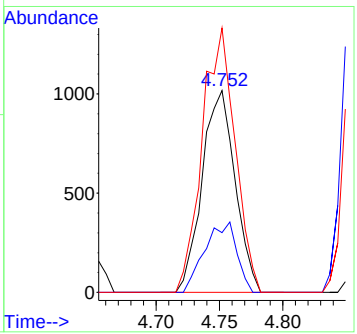


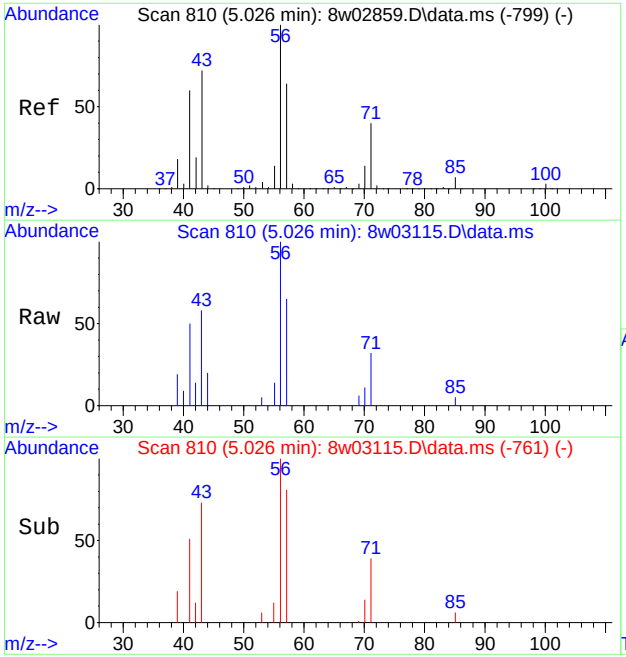


#53
CYCLOHEXANE
Concen: 0.09 PPBV
RT: 4.752 min Scan# 765
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 84 Resp: 1839

Ion	Ratio	Lower	Upper
84	100		
69	33.8	27.7	41.5
56	130.6	99.1	148.7

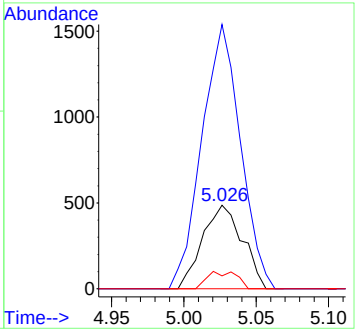


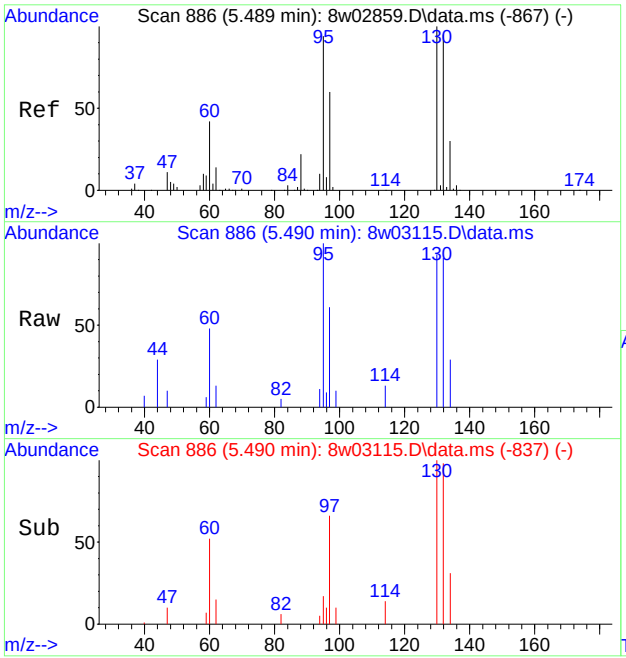


#54
2,3-DIMETHYLPENTANE
Concen: 0.09 PPBV
RT: 5.026 min Scan# 810
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 71 Resp: 938

Ion	Ratio	Lower	Upper
71	100		
56	305.2	224.9	337.3
85	0.0	14.3	21.5#

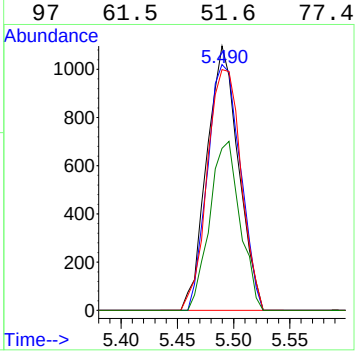


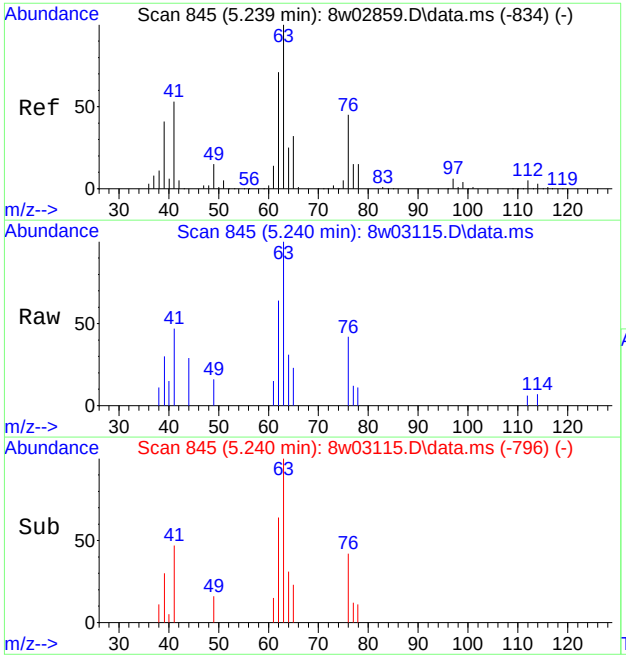


#55
TRICHLOROETHENE
Concen: 0.10 PPBV
RT: 5.490 min Scan# 886
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 95 Resp: 2145

Ion	Ratio	Lower	Upper
95	100		
130	96.7	80.6	120.8
132	97.4	77.0	115.4
97	61.5	51.6	77.4

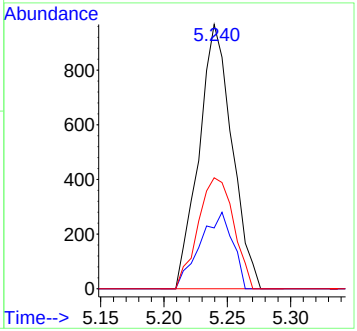


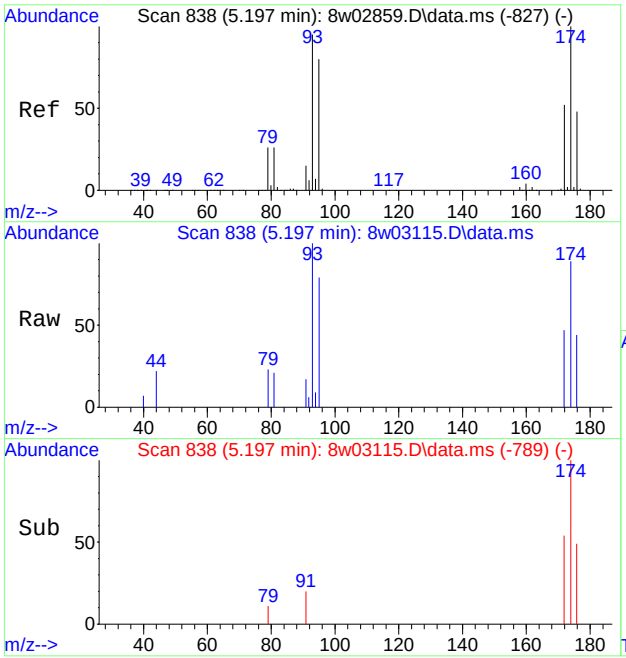


#56
1,2-DICHLOROPROPANE
Concen: 0.10 PPBV
RT: 5.240 min Scan# 845
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 63 Resp: 1757

Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.1	36.1
76	45.2	36.4	54.6

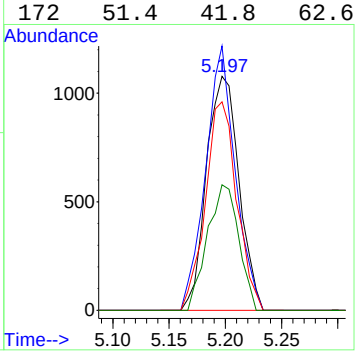


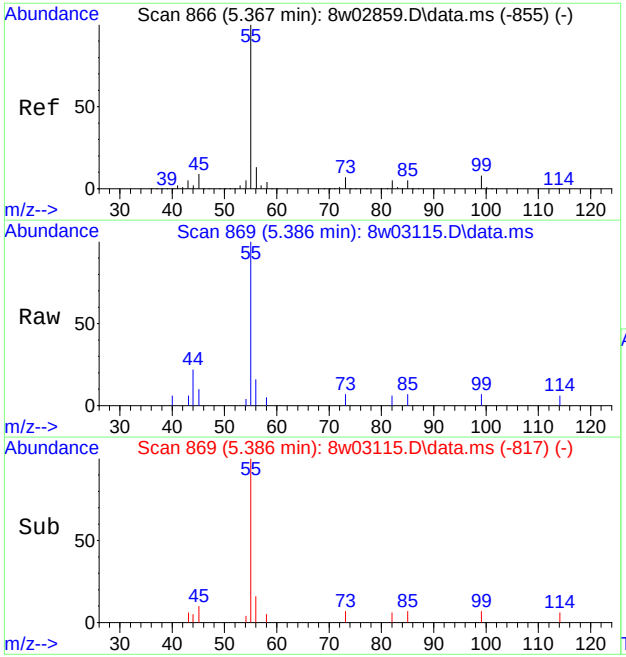


#57
DIBROMOMETHANE
Concen: 0.11 PPBV
RT: 5.197 min Scan# 838
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:174 Resp: 2171

Ion	Ratio	Lower	Upper
174	100		
93	102.7	77.0	115.6
95	85.9	64.2	96.4
172	51.4	41.8	62.6

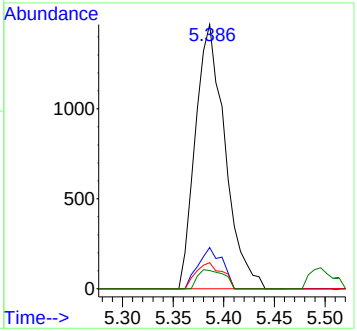


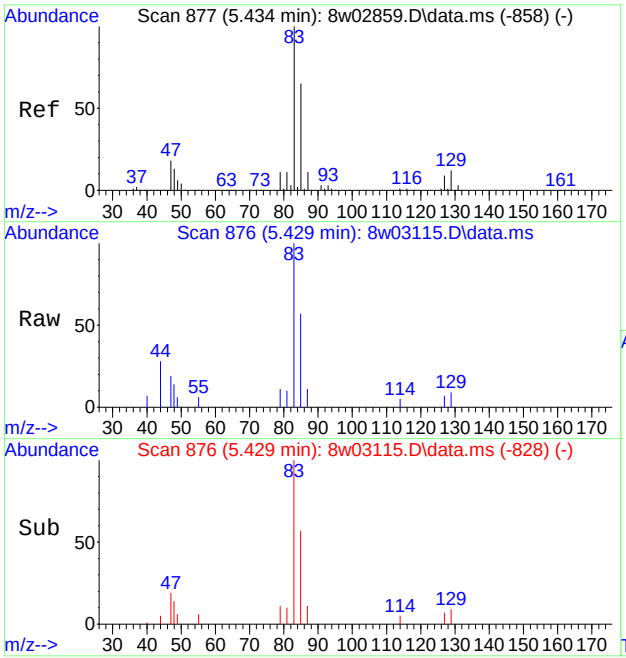


#58
ETHYL ACRYLATE
Concen: 0.08 PPBV
RT: 5.386 min Scan# 869
Delta R.T. 0.018 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 55 Resp: 2994

Ion	Ratio	Lower	Upper
55	100		
56	0.0	10.9	16.3#
45	0.0	6.7	10.1#
99	0.0	5.8	8.8#

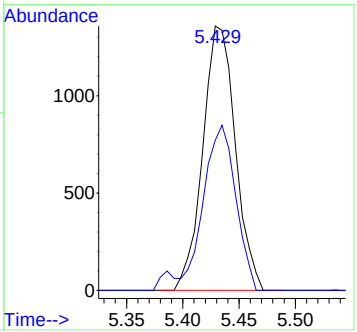


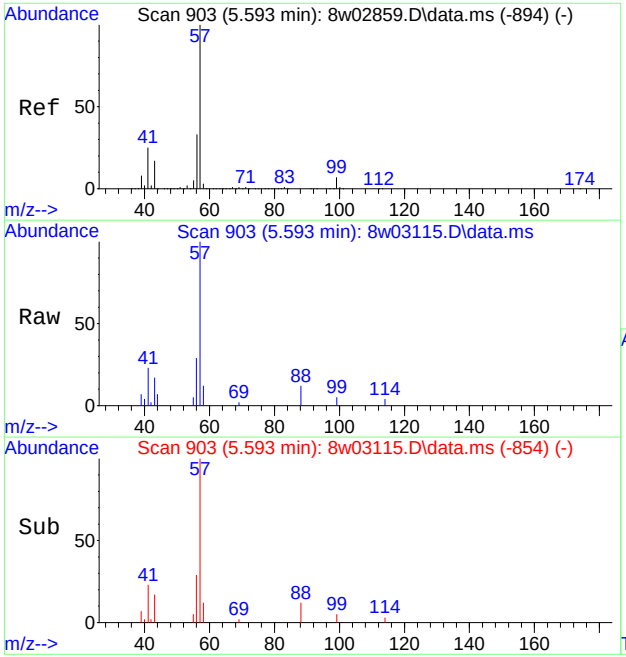


#59
BROMODICHLOROMETHANE
Concen: 0.08 PPBV
RT: 5.429 min Scan# 876
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 83 Resp: 2744

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.6

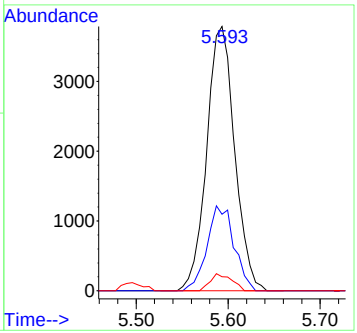


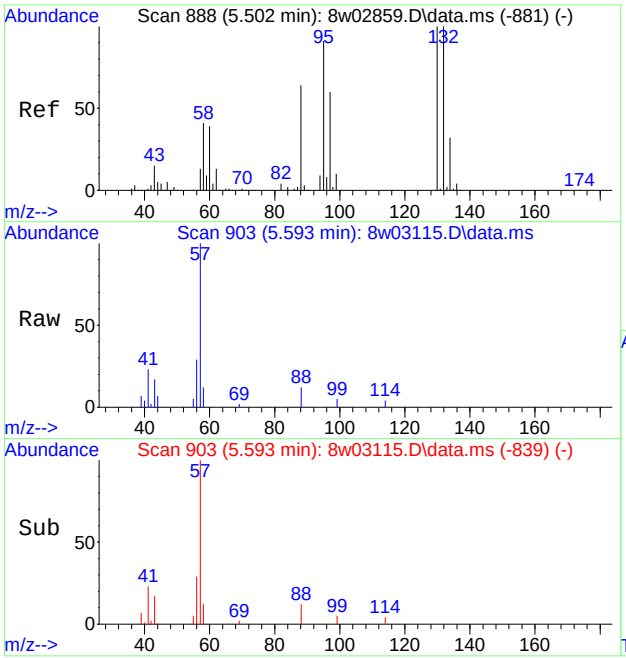


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.10 PPBV
RT: 5.593 min Scan# 903
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 57 Resp: 8006

Ion	Ratio	Lower	Upper
57	100		
56	31.1	25.8	38.8
99	0.0	4.7	7.1#

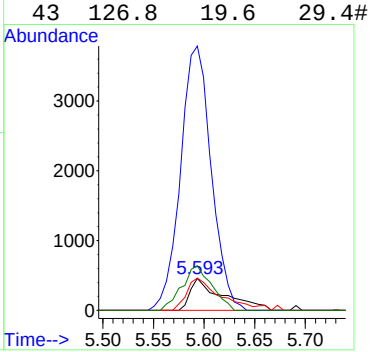


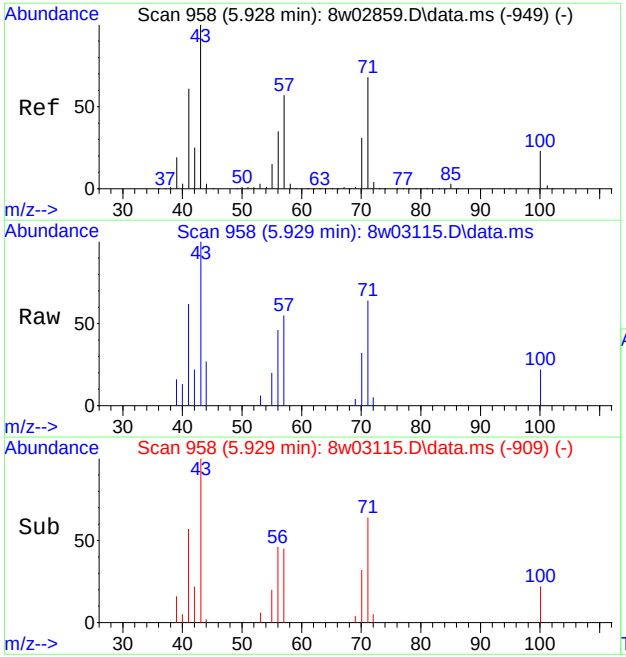


#61
1,4-DIOXANE
Concen: 0.09 PPBV
RT: 5.593 min Scan# 903
Delta R.T. 0.091 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 88 Resp: 1037

Ion	Ratio	Lower	Upper
88	100		
57	772.0	18.4	27.6#
58	106.8	57.3	85.9#
43	126.8	19.6	29.4#

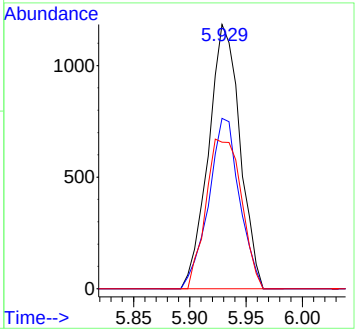


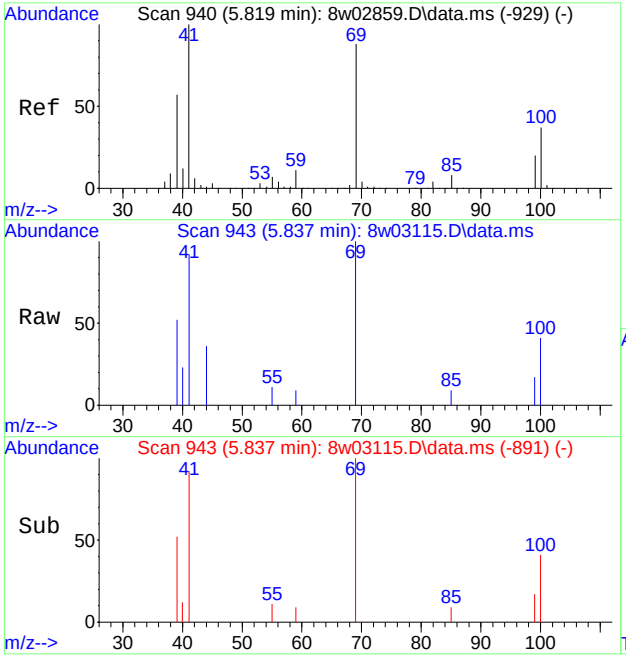


#62
HEPTANE
Concen: 0.09 PPBV
RT: 5.929 min Scan# 958
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 43 Resp: 2309

Ion	Ratio	Lower	Upper
43	100		
71	63.3	52.2	78.2
57	63.8	50.4	75.6

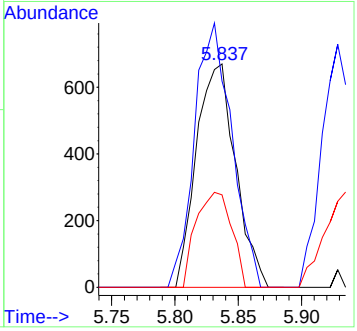


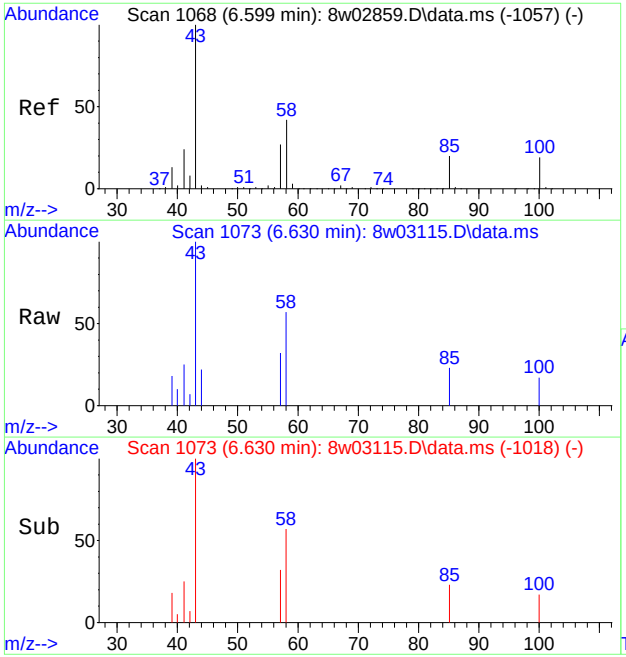


#63
METHYL METHACRYLATE
Concen: 0.09 PPBV
RT: 5.837 min Scan# 943
Delta R.T. 0.018 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 69 Resp: 1440

Ion	Ratio	Lower	Upper
69	100		
41	112.9	91.9	137.9
100	38.6	34.2	51.4

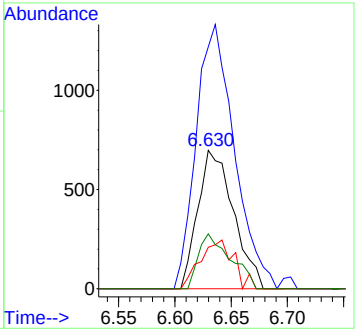


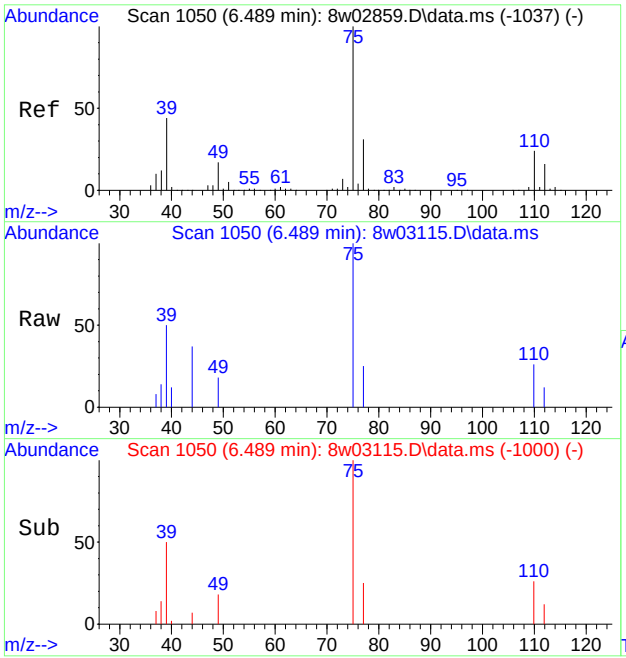


#64
METHYL ISOBUTYL KETONE
Concen: 0.10 PPBV
RT: 6.630 min Scan# 1073
Delta R.T. 0.036 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 58 Resp: 1537

Ion	Ratio	Lower	Upper
58	100		
43	207.8	171.6	257.4
100	33.2	31.4	47.0
85	35.8	35.8	53.6

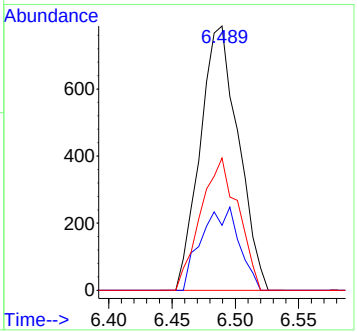


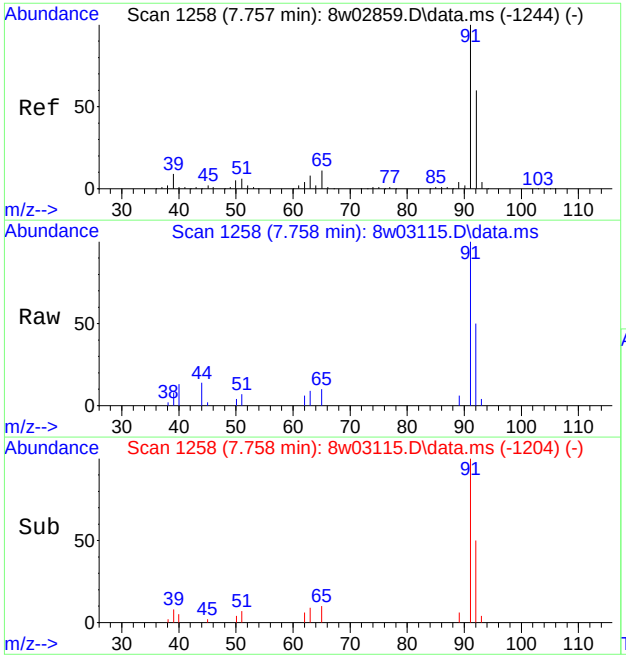


#65
CIS-1,3-DICHLOROPROPENE
Concen: 0.07 PPBV
RT: 6.489 min Scan# 1050
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 75 Resp: 1652

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	49.1	35.8	53.8

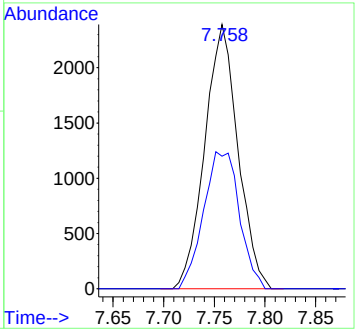


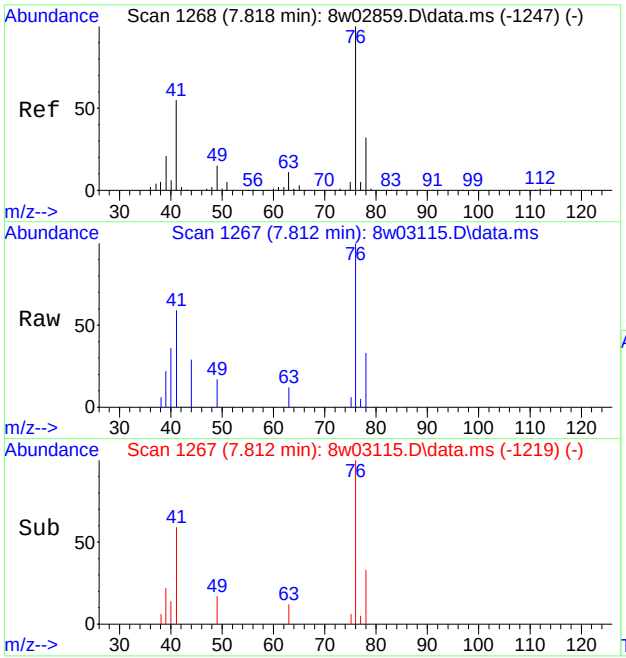


#66
TOLUENE
Concen: 0.10 PPBV
RT: 7.758 min Scan# 1258
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 91 Resp: 5459

Ion	Ratio	Lower	Upper
91	100		
92	56.0	39.8	79.8

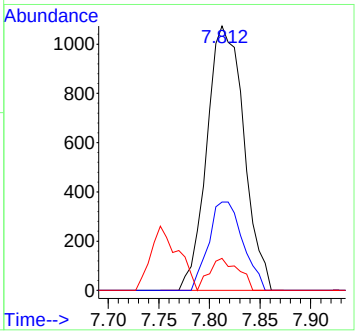


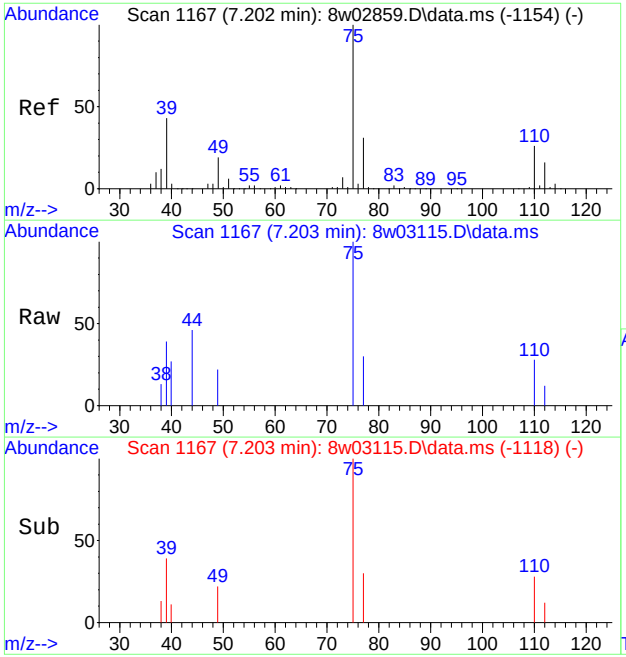


#67
1,3-DICHLOROPROPANE
Concen: 0.10 PPBV
RT: 7.812 min Scan# 1267
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 76 Resp: 2730

Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.9	38.9
63	0.0	8.6	12.8#

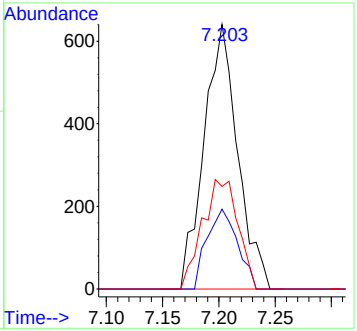


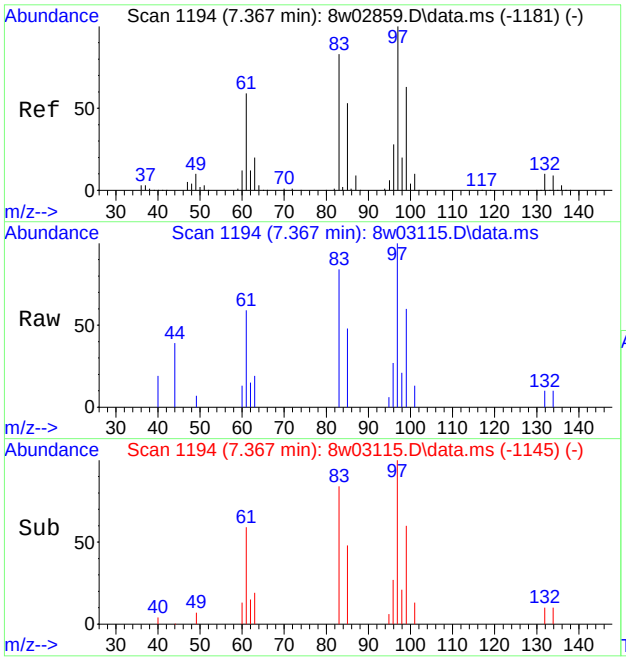


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 0.06 PPBV
RT: 7.203 min Scan# 1167
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 75 Resp: 1335

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.3	37.9#
39	43.7	33.4	50.0

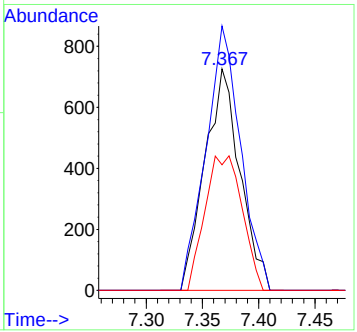


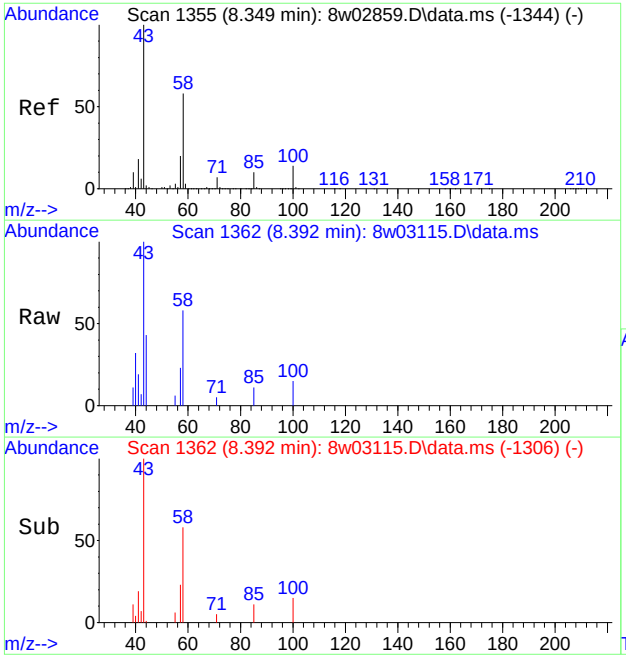


#69
1,1,2-TRICHLOROETHANE
Concen: 0.10 PPBV
RT: 7.367 min Scan# 1194
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 83 Resp: 1585

Ion	Ratio	Lower	Upper
83	100		
97	117.3	98.2	147.2
85	64.3	51.7	77.5

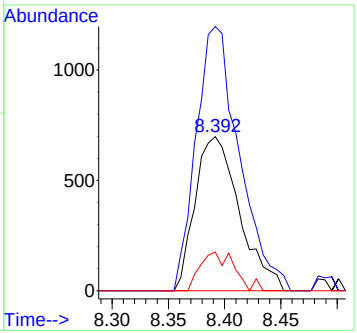


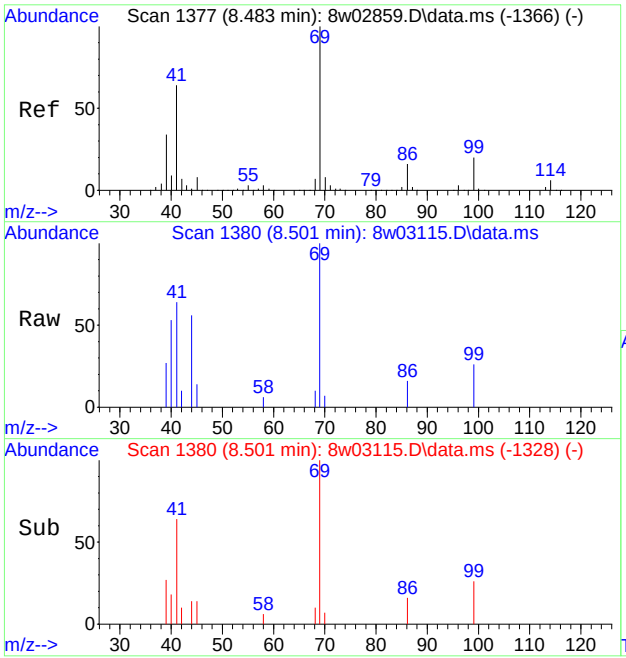


#70
2-HEXANONE
Concen: 0.09 PPBV
RT: 8.392 min Scan# 1362
Delta R.T. 0.043 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 58 Resp: 1916

Ion	Ratio	Lower	Upper
58	100		
43	167.3	124.3	186.5
100	0.0	18.0	27.0#

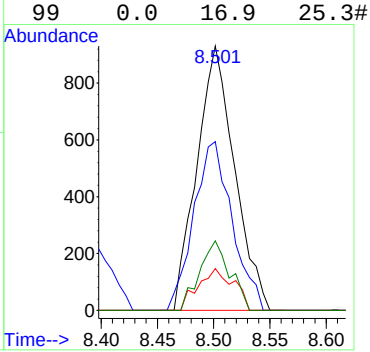


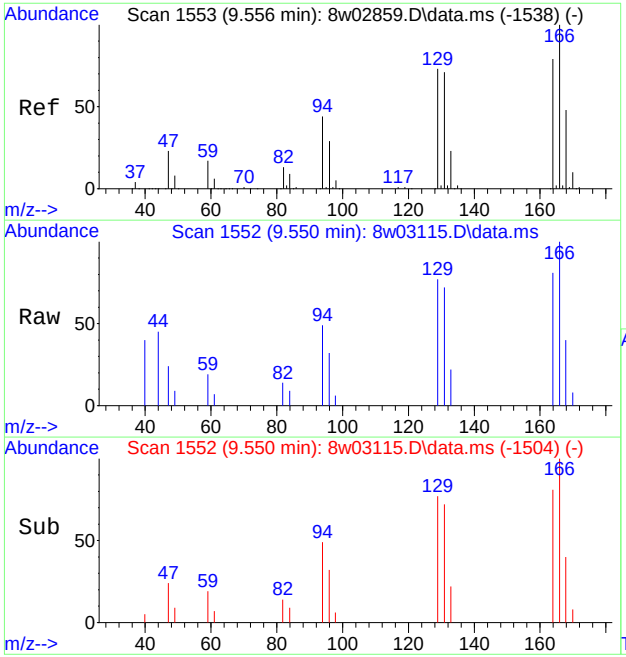


#71
ETHYL METHACRYLATE
Concen: 0.08 PPBV
RT: 8.501 min Scan# 1380
Delta R.T. 0.018 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 69 Resp: 2173

Ion	Ratio	Lower	Upper
69	100		
41	64.6	50.3	75.5
86	0.0	13.0	19.4#
99	0.0	16.9	25.3#

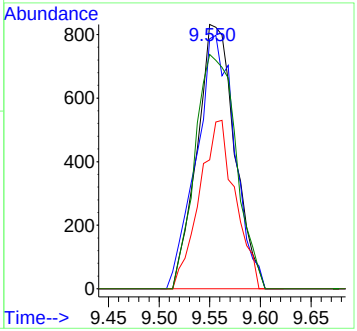


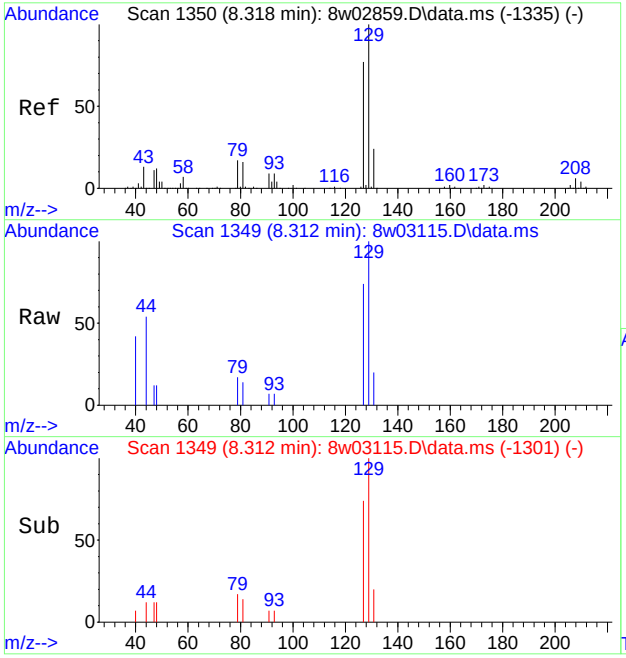


#72
TETRACHLOROETHENE
Concen: 0.09 PPBV
RT: 9.550 min Scan# 1552
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:164 Resp: 2149

Ion	Ratio	Lower	Upper
164	100		
129	98.1	75.8	113.8
168	60.6	48.8	73.2
131	97.2	73.0	109.4

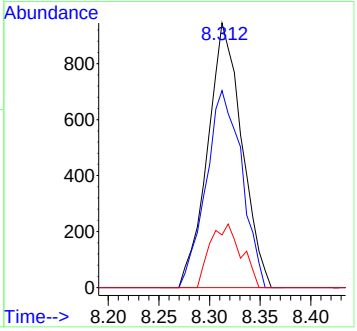


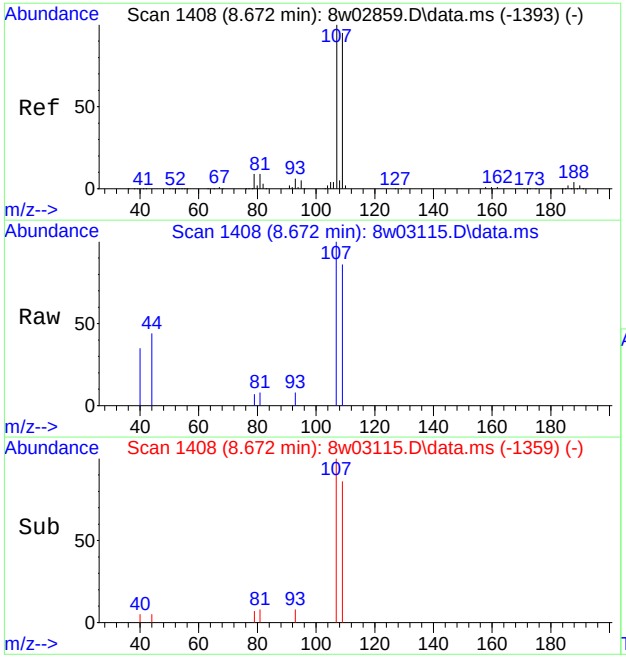


#73
DIBROMOCHLOROMETHANE
Concen: 0.07 PPBV
RT: 8.312 min Scan# 1349
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:129 Resp: 2226

Ion	Ratio	Lower	Upper
129	100		
127	77.4	62.0	93.0
131	0.0	19.1	28.7#

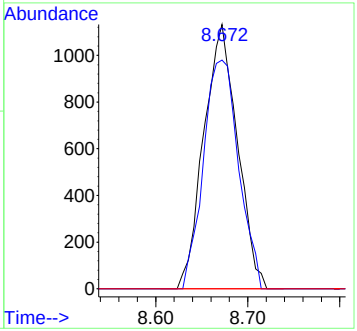


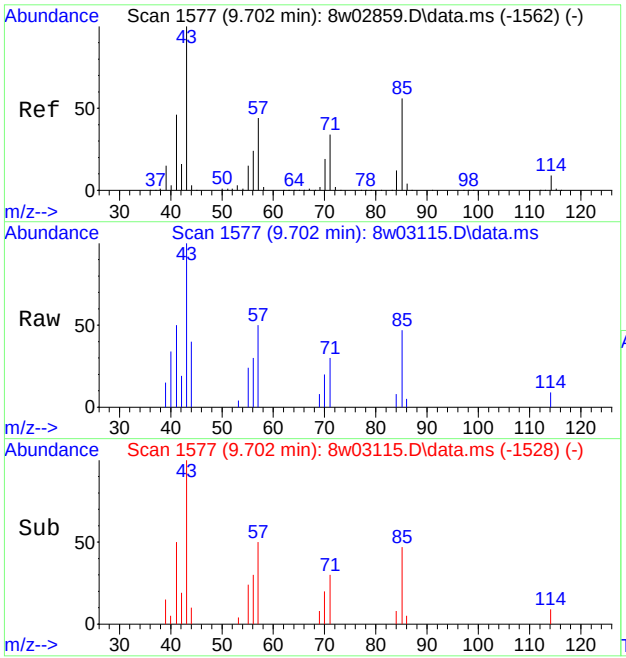


#74
1,2-DIBROMOETHANE
Concen: 0.09 PPBV
RT: 8.672 min Scan# 1408
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:107 Resp: 2879

Ion	Ratio	Lower	Upper
107	100		
109	90.5	75.4	113.0
188	0.0	3.0	4.6#

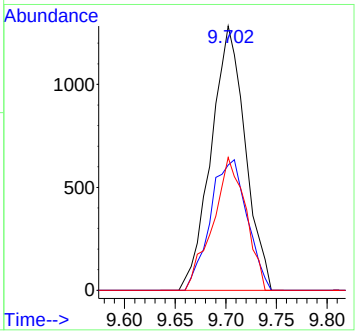


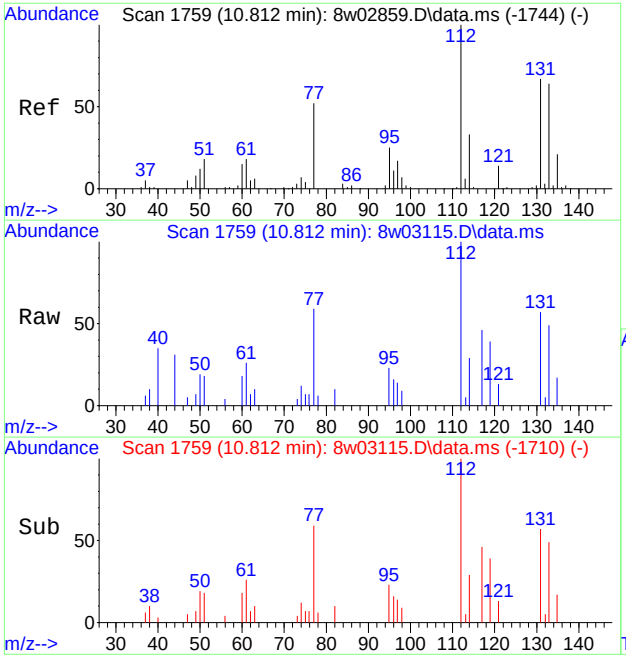


#75
OCTANE
Concen: 0.09 PPBV
RT: 9.702 min Scan# 1577
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 43 Resp: 3012

Ion	Ratio	Lower	Upper
43	100		
85	53.3	45.1	67.7
57	48.4	39.0	58.6

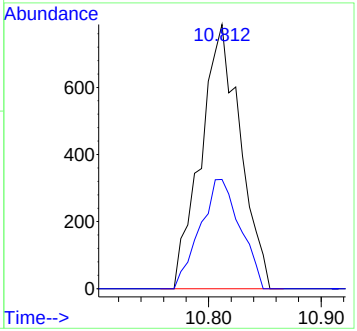


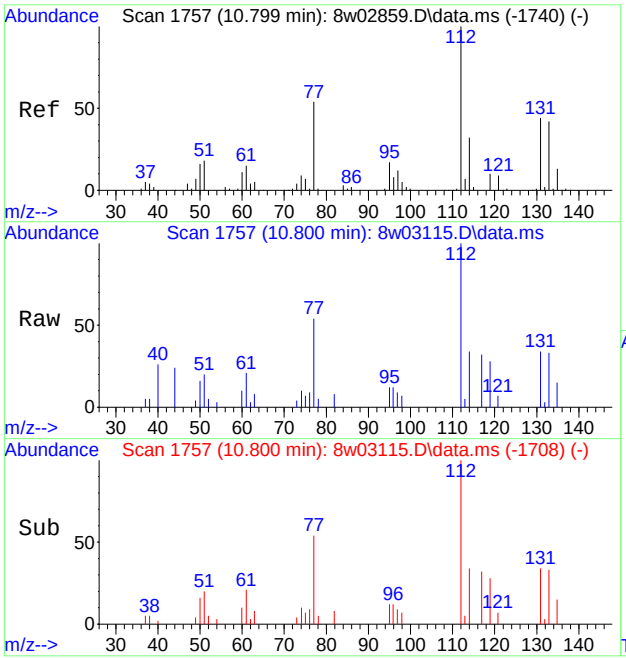


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 0.08 PPBV
RT: 10.812 min Scan# 1759
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:131 Resp: 1920

Ion	Ratio	Lower	Upper
131	100		
95	42.1	31.7	47.5

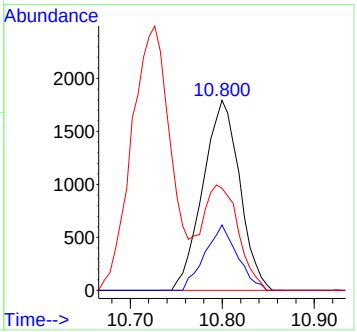


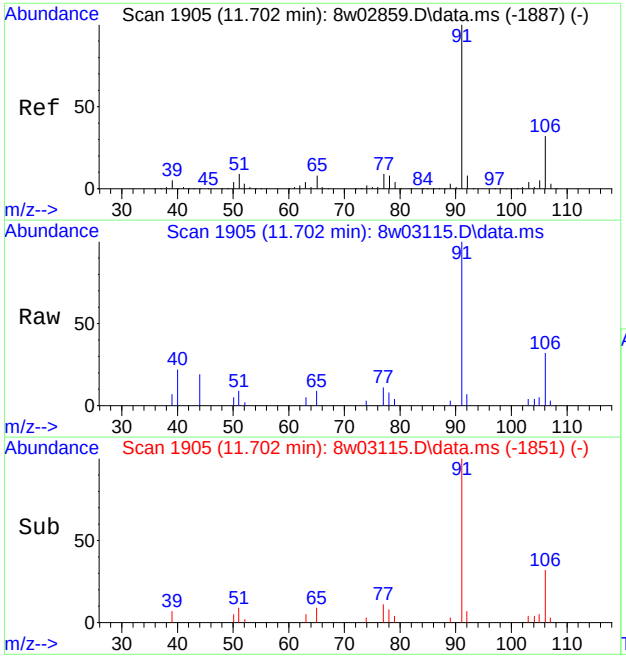


#78
CHLOROBENZENE
Concen: 0.10 PPBV
RT: 10.800 min Scan# 1757
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:112 Resp: 4988

Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.7	38.5
77	52.6	47.4	71.2

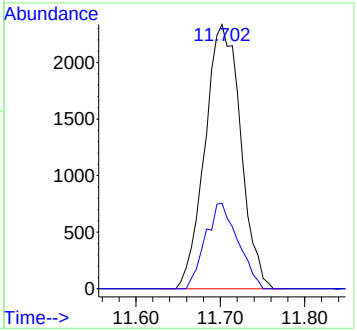


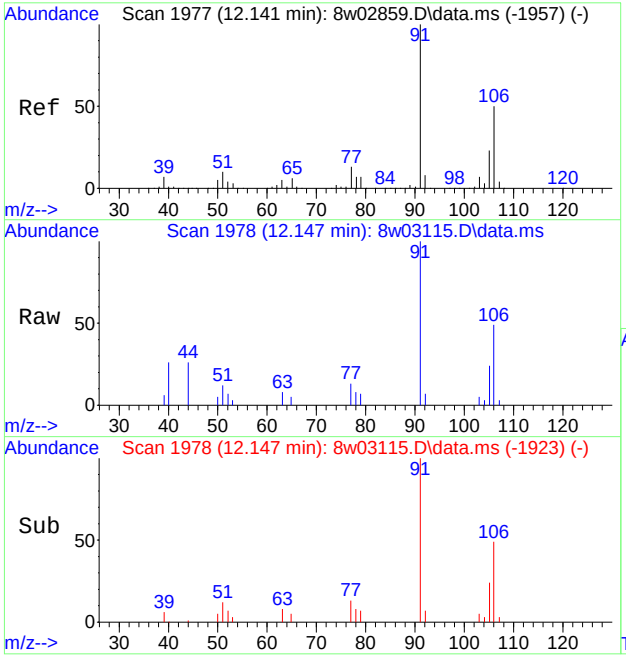


#79
ETHYLBENZENE
Concen: 0.08 PPBV
RT: 11.702 min Scan# 1905
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 91 Resp: 6872

Ion	Ratio	Lower	Upper
91	100		
106	29.6	11.5	51.5

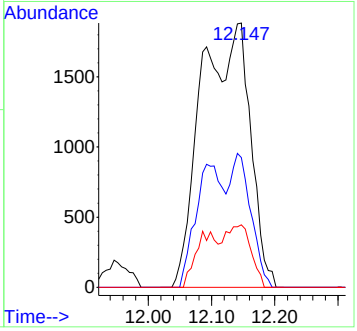


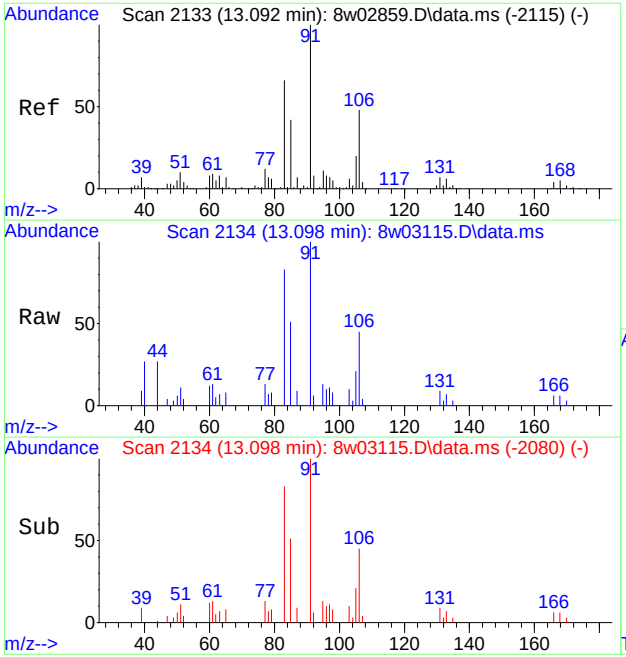


#80
M,P-XYLENE
Concen: 0.16 PPBV
RT: 12.147 min Scan# 1978
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 91 Resp: 10089

Ion	Ratio	Lower	Upper
91	100		
106	24.1	5.3	45.3
105	22.2	0.0	31.8

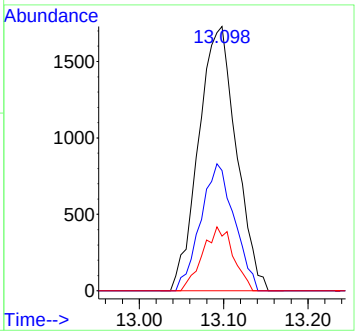


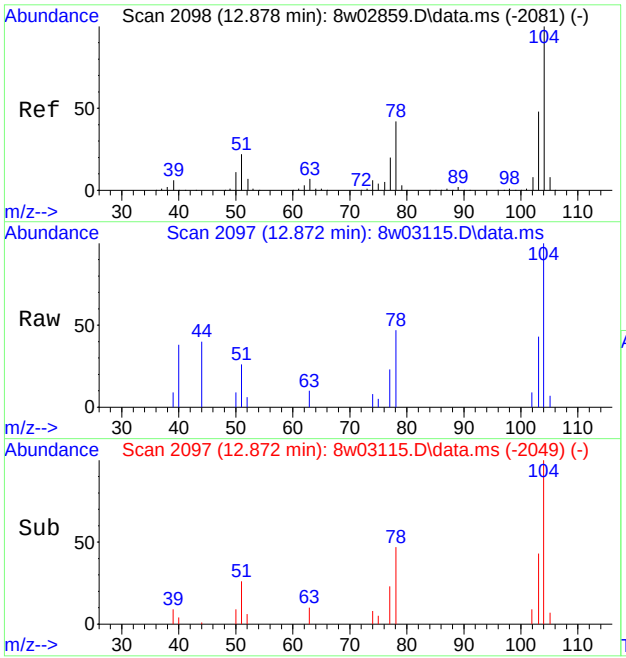


#81
O-XYLENE
Concen: 0.08 PPBV
RT: 13.098 min Scan# 2134
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 91 Resp: 5365

Ion	Ratio	Lower	Upper
91	100		
106	45.4	36.8	55.2
105	20.7	15.0	22.6

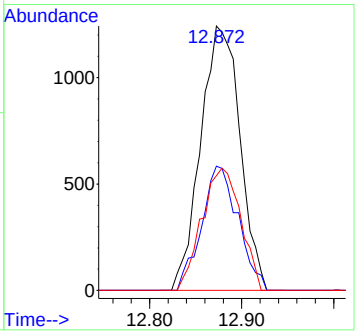


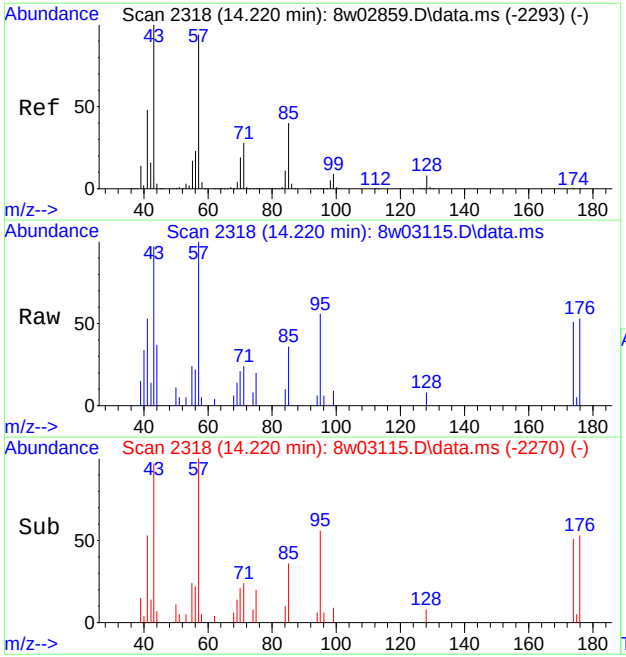


#82
STYRENE
Concen: 0.07 PPBV
RT: 12.872 min Scan# 2097
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:104 Resp: 3691

Ion	Ratio	Lower	Upper
104	100		
78	43.9	35.4	53.0
103	45.7	37.7	56.5

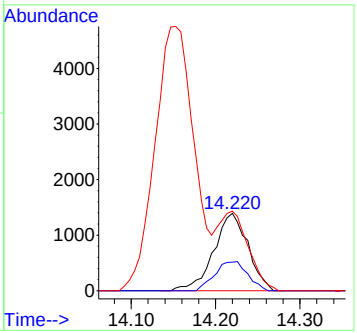


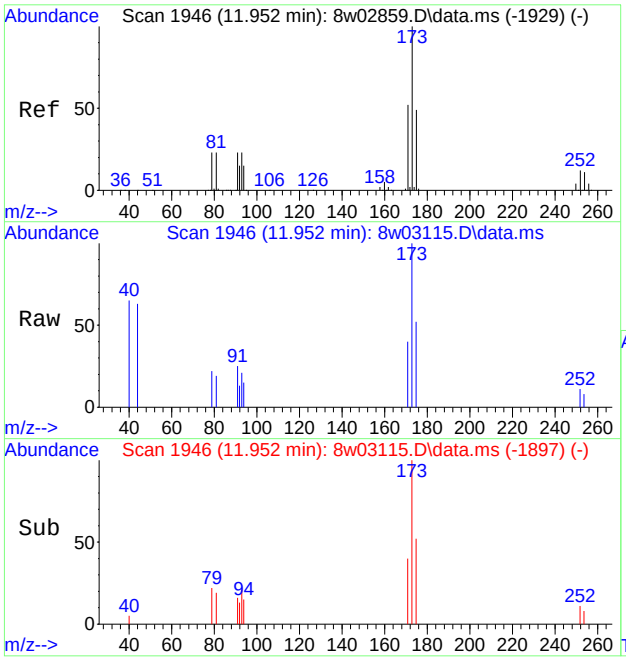


#83
NONANE
Concen: 0.10 PPBV
RT: 14.220 min Scan# 2318
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 43 Resp: 3929

Ion	Ratio	Lower	Upper
43	100		
85	36.1	32.5	48.7
57	0.0	88.6	132.8#

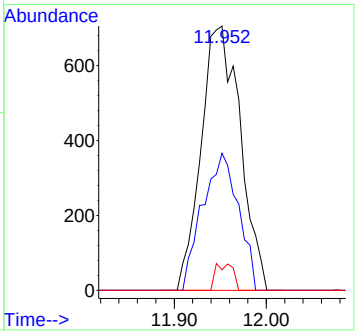


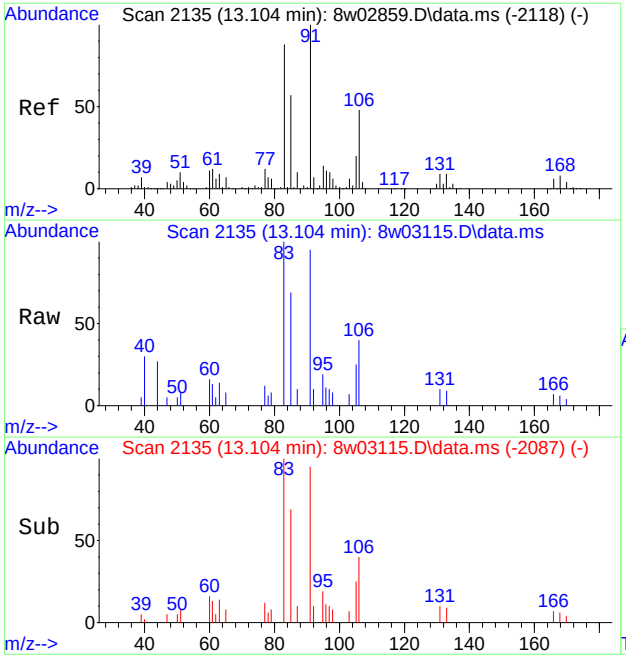


#84
BROMOFORM
Concen: 0.06 PPBV
RT: 11.952 min Scan# 1946
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:173 Resp: 2088

Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.0	58.4
254	0.0	8.7	13.1#

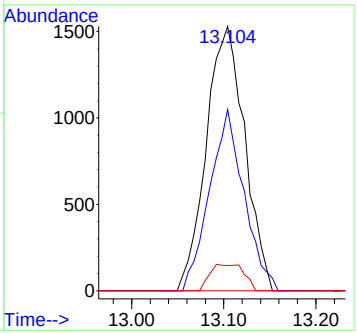


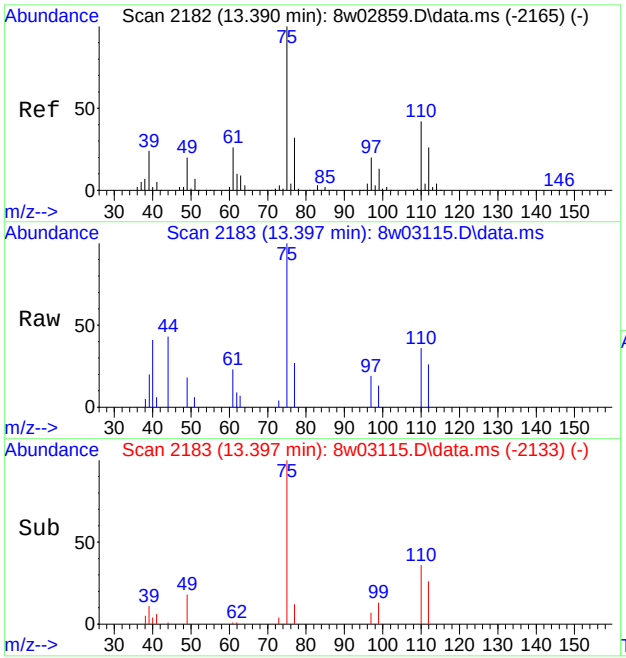


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 0.10 PPBV
RT: 13.104 min Scan# 2135
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 83 Resp: 4444

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.9	77.9
131	0.0	8.5	12.7#

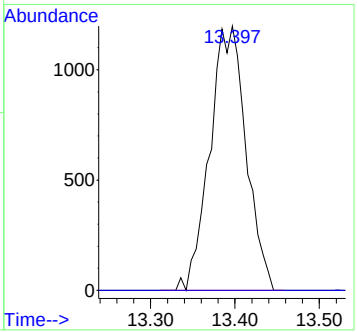


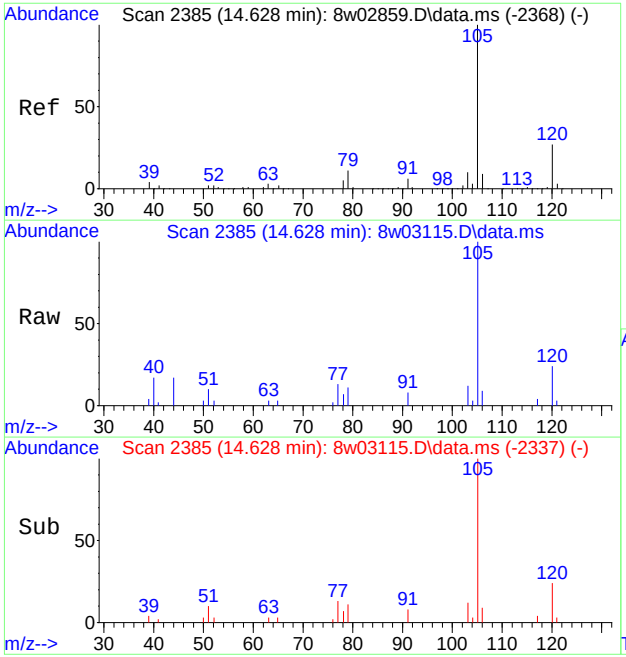


#86
1,2,3-TRICHLOROPROPANE
Concen: 0.10 PPBV
RT: 13.397 min Scan# 2183
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 75 Resp: 3579

Ion	Ratio	Lower	Upper
75	100		
100	0.0	0.5	0.7#

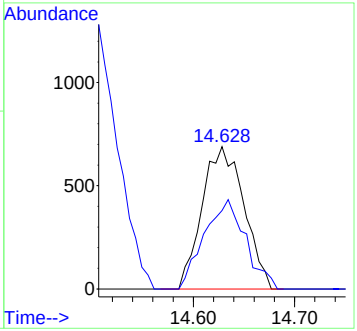


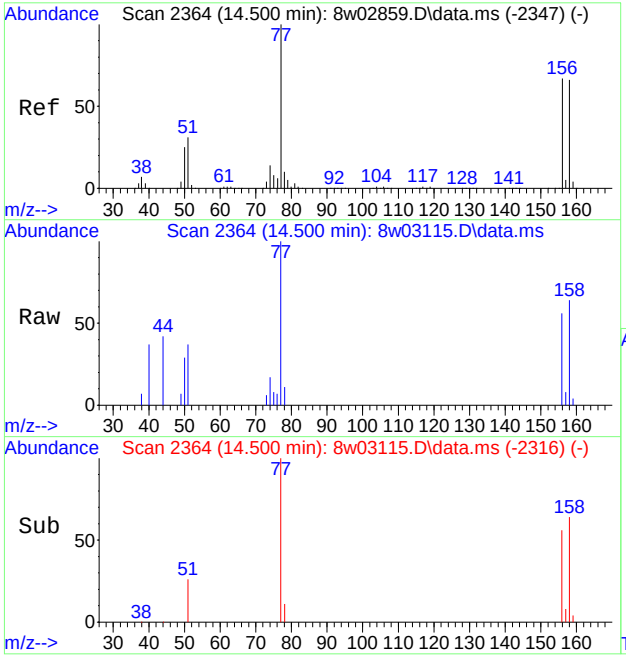


#88
ISOPROPYLBENZENE
Concen: 0.08 PPBV
RT: 14.628 min Scan# 2385
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:120 Resp: 1983

Ion	Ratio	Lower	Upper
120	100		
77	61.6	46.8	70.2

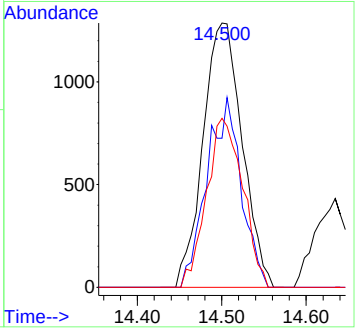


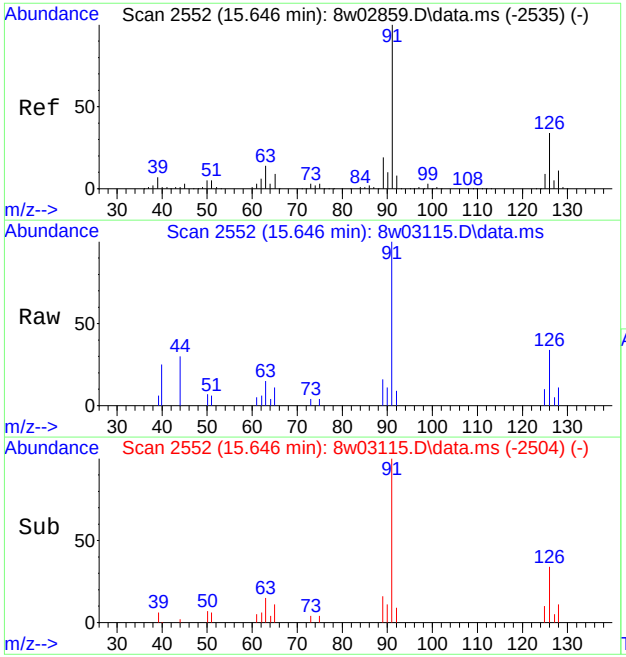


#89
BROMOBENZENE
Concen: 0.09 PPBV
RT: 14.500 min Scan# 2364
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion: 77 Resp: 4160

Ion	Ratio	Lower	Upper
77	100		
156	62.8	51.5	77.3
158	59.1	50.2	75.4

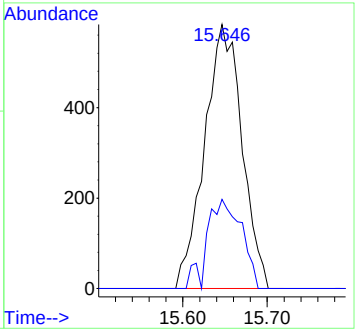


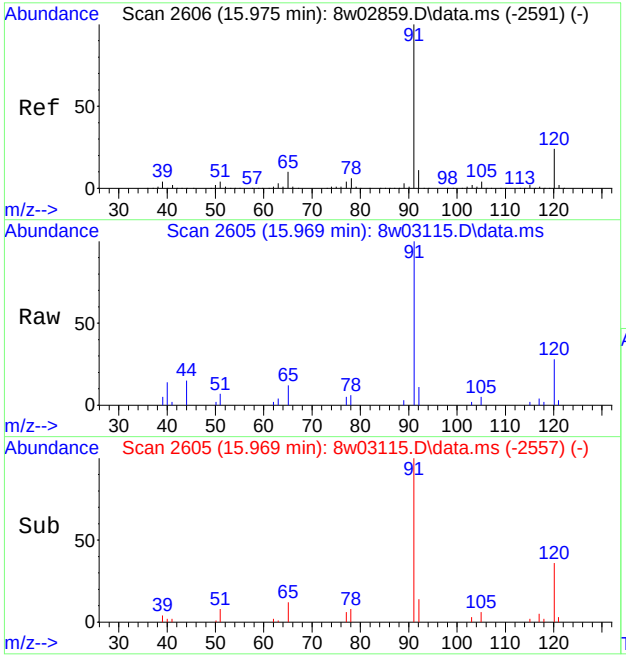


#90
2-CHLOROTOLUENE
Concen: 0.08 PPBV
RT: 15.646 min Scan# 2552
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:126 Resp: 1802

Ion	Ratio	Lower	Upper
126	100		
128	31.1	26.0	39.0

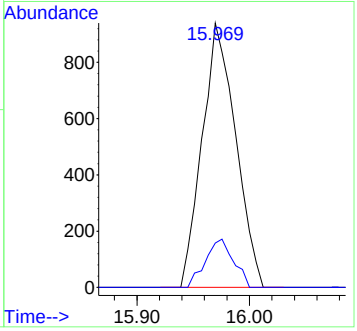


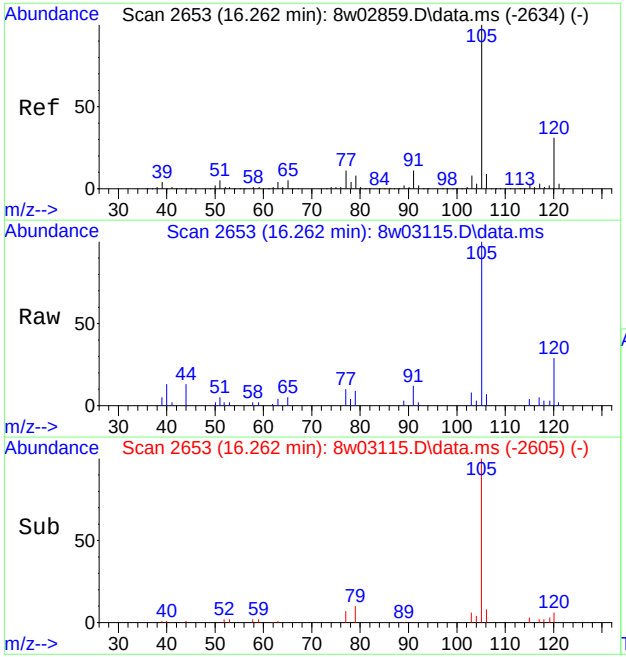


#91
N-PROPYLBENZENE
Concen: 0.08 PPBV
RT: 15.969 min Scan# 2605
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:120 Resp: 1945

Ion	Ratio	Lower	Upper
120	100		
105	0.0	13.3	19.9#

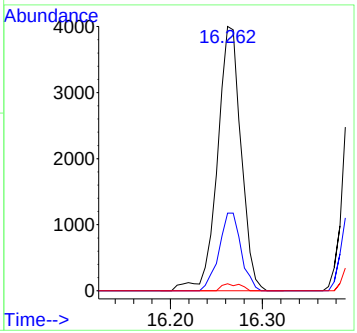


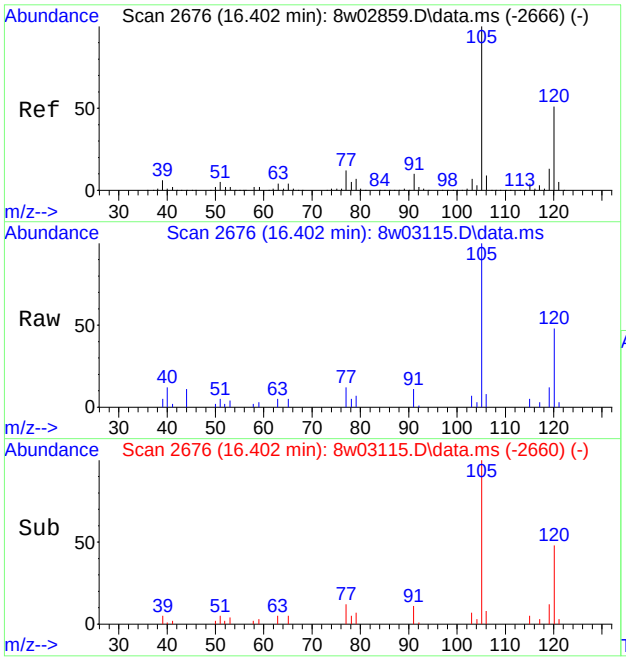


#92
4-ETHYLTOLUENE
Concen: 0.08 PPBV
RT: 16.262 min Scan# 2653
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:105 Resp: 7125

Ion	Ratio	Lower	Upper
105	100		
120	27.6	23.2	34.8
119	0.0	1.8	2.8#

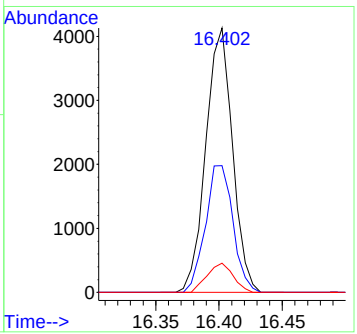


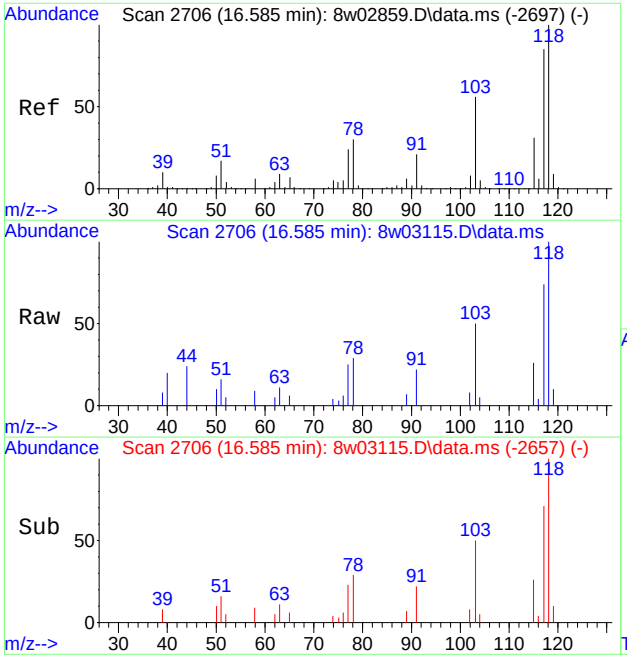


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.08 PPBV
RT: 16.402 min Scan# 2676
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:105 Resp: 6030

Ion	Ratio	Lower	Upper
105	100		
120	49.5	38.2	57.4
91	10.8	8.7	13.1

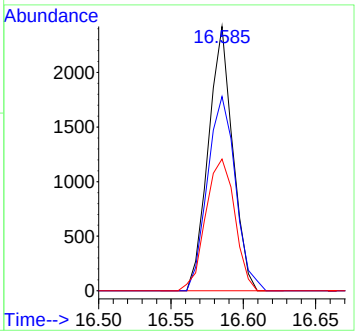


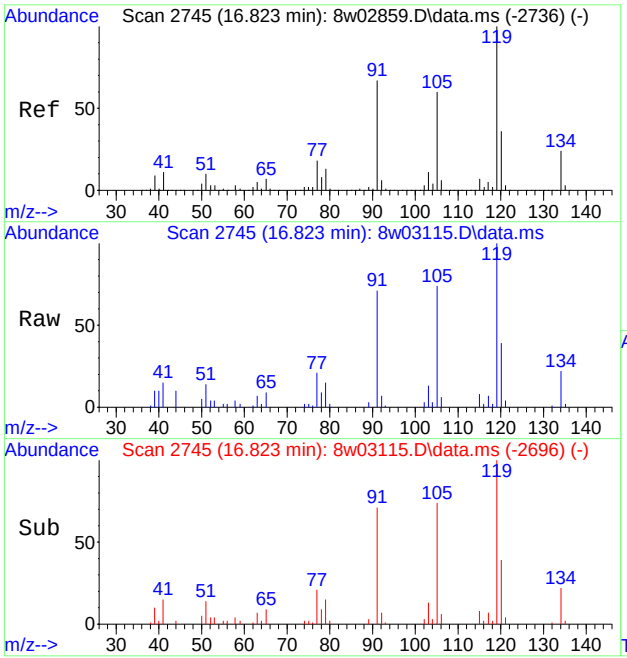


#94
ALPHA-METHYLSTYRENE
Concen: 0.08 PPBV
RT: 16.585 min Scan# 2706
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:118 Resp: 2844

Ion	Ratio	Lower	Upper
118	100		
117	84.4	68.5	102.7
103	59.3	46.9	70.3

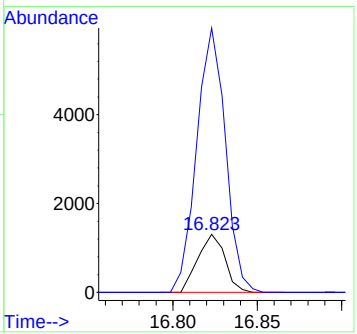


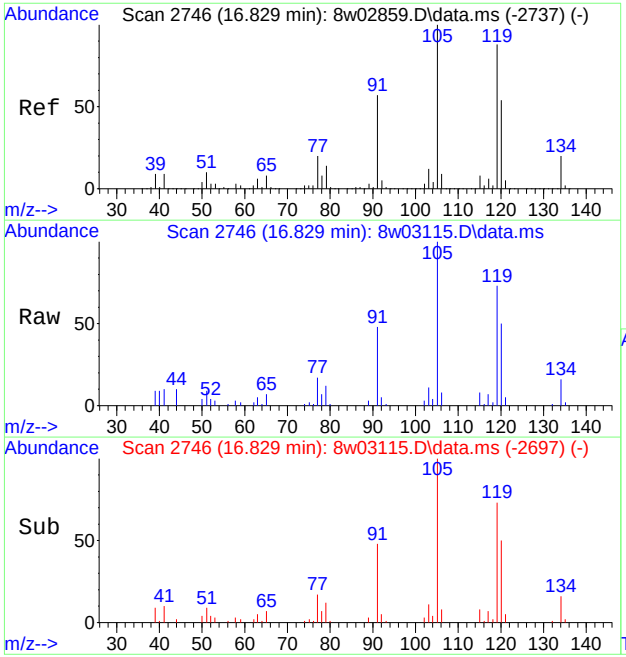


#95
TERT-BUTYLBENZENE
Concen: 0.09 PPBV
RT: 16.823 min Scan# 2745
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:134 Resp: 1461

Ion	Ratio	Lower	Upper
134	100		
119	483.0	376.4	564.6

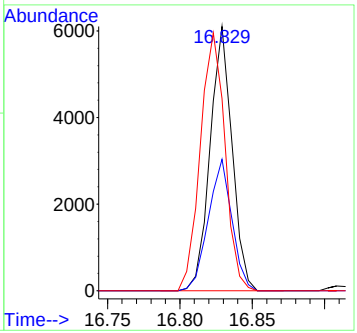


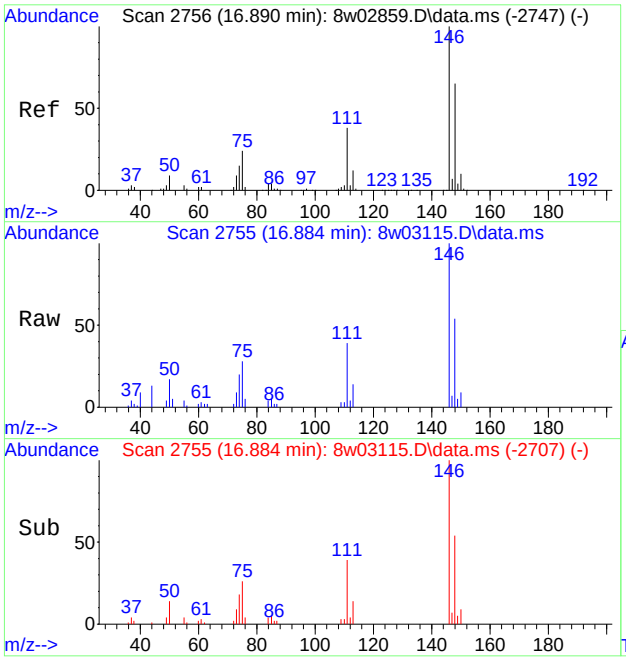


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.09 PPBV
RT: 16.829 min Scan# 2746
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:105 Resp: 6471

Ion	Ratio	Lower	Upper
105	100		
120	53.6	42.1	63.1
119	109.0	84.6	127.0

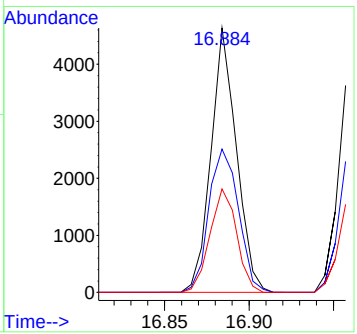


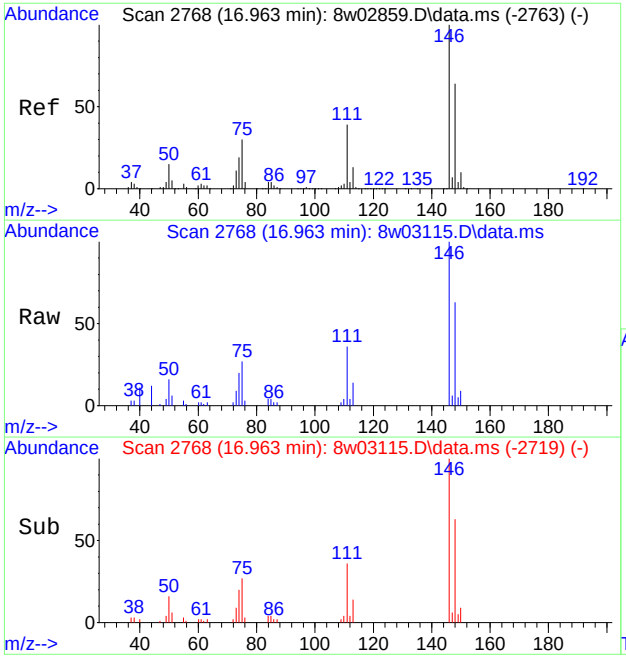


#98
M-DICHLOROBENZENE
Concen: 0.10 PPBV
RT: 16.884 min Scan# 2755
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:146 Resp: 4873

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.0	76.4
111	41.1	34.2	51.4

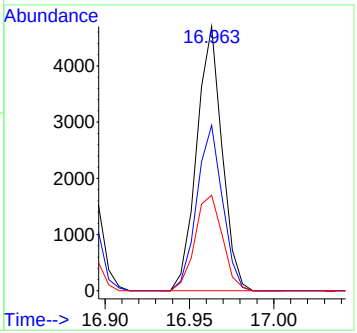


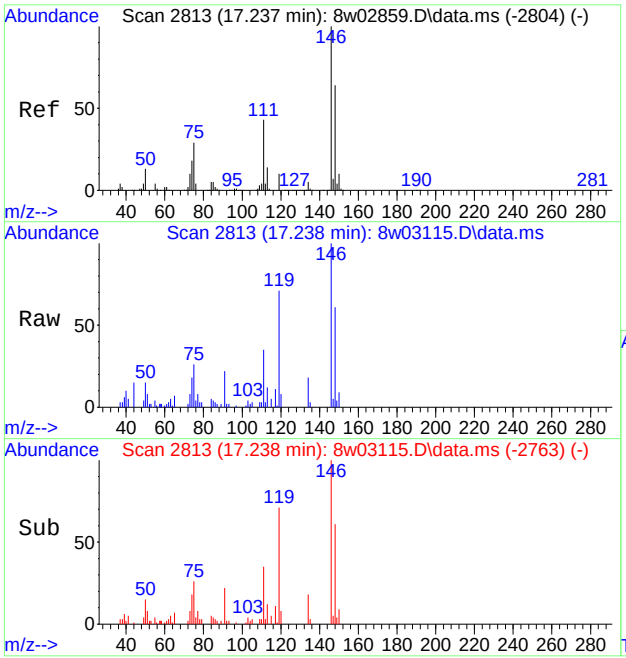


#99
P-DICHLOROBENZENE
Concen: 0.10 PPBV
RT: 16.963 min Scan# 2768
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:146 Resp: 4913

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.4
111	39.4	32.8	49.2

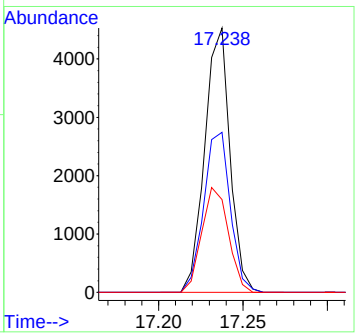


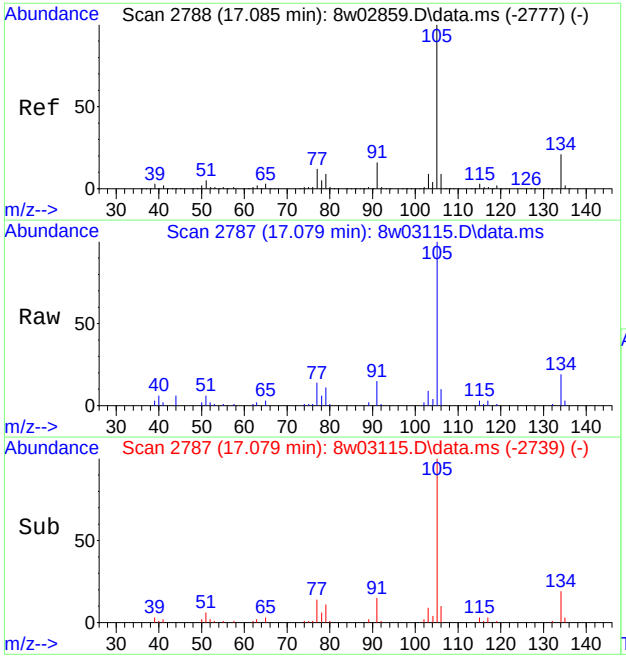


#100
O-DICHLOROBENZENE
Concen: 0.10 PPBV
RT: 17.238 min Scan# 2813
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:146 Resp: 4716

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.9	76.3
111	41.9	35.9	53.9

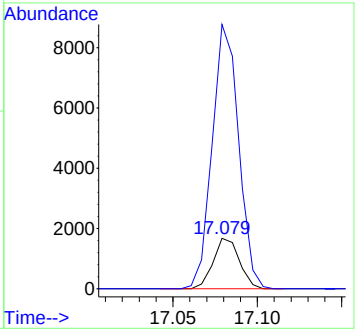


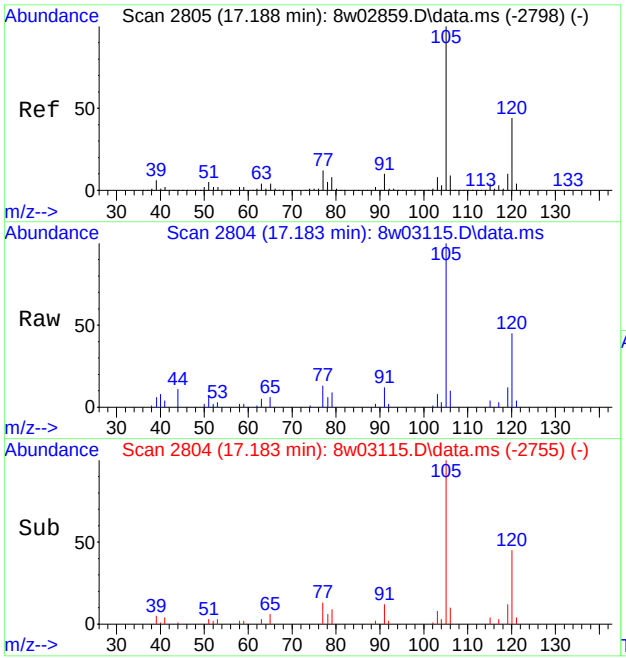


#101
SEC-BUTYLBENZENE
Concen: 0.09 PPBV
RT: 17.079 min Scan# 2787
Delta R.T. -0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:134 Resp: 1807

Ion	Ratio	Lower	Upper
134	100		
105	529.6	405.0	607.6

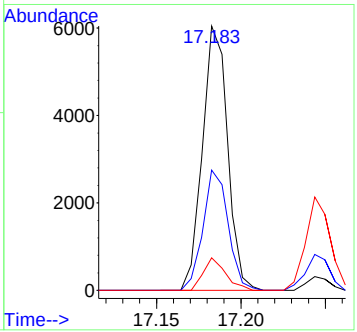


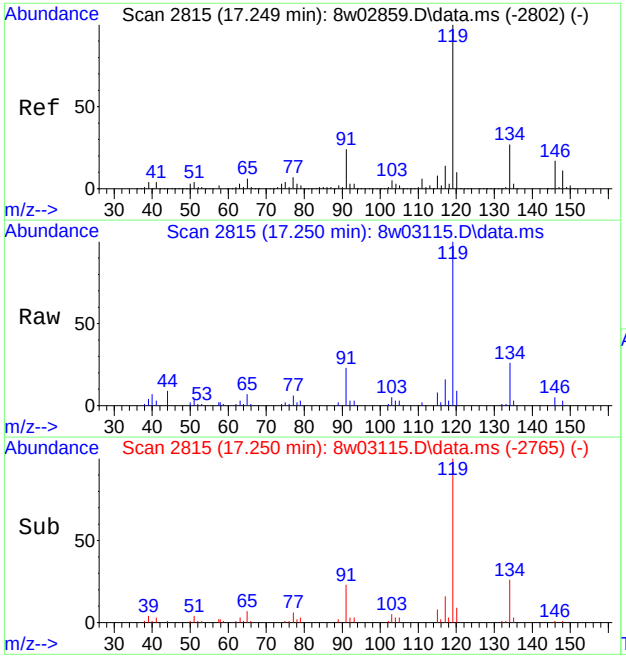


#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.08 PPBV
RT: 17.183 min Scan# 2804
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:105 Resp: 6270

Ion	Ratio	Lower	Upper
105	100		
120	45.6	32.6	49.0
91	10.9	8.4	12.6

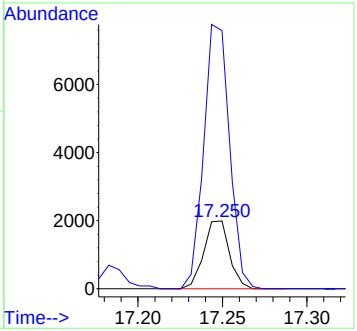


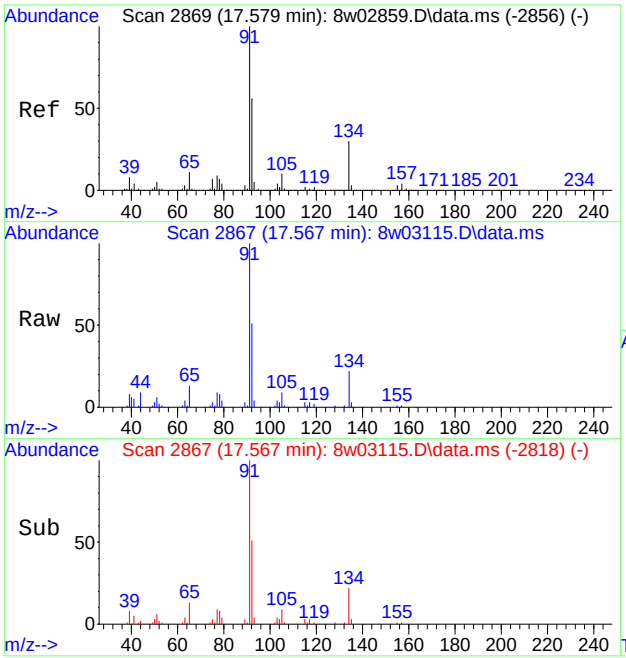


#103
P-ISOPROPYLTOLUENE
Concen: 0.09 PPBV
RT: 17.250 min Scan# 2815
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:134 Resp: 2107

Ion	Ratio	Lower	Upper
134	100		
119	393.5	316.6	474.8

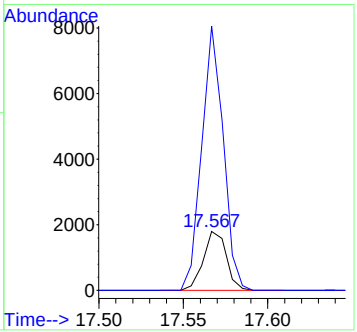


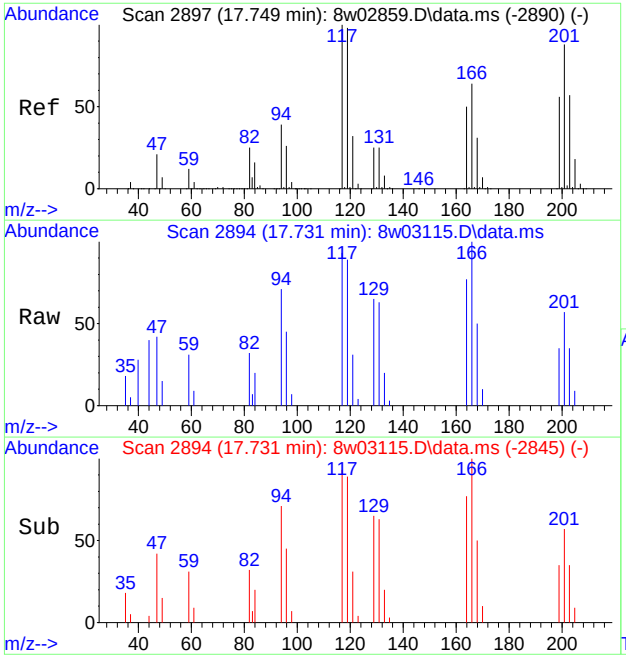


#104
N-BUTYLBENZENE
Concen: 0.08 PPBV
RT: 17.567 min Scan# 2867
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:134 Resp: 1705

Ion	Ratio	Lower	Upper
134	100		
91	419.9	305.3	457.9

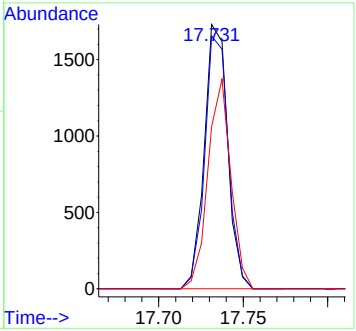


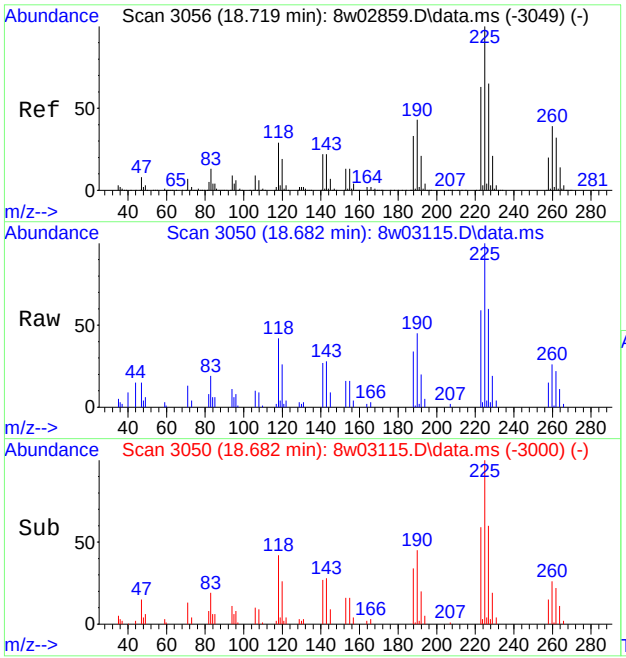


#105
HEXACHLOROETHANE
Concen: 0.07 PPBV
RT: 17.731 min Scan# 2894
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:117 Resp: 1668

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.0	115.6
201	77.8	64.2	96.2

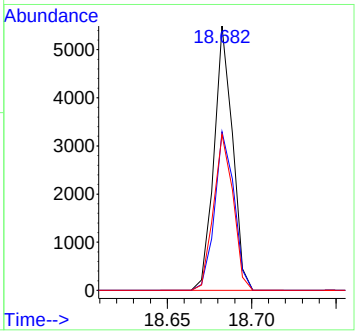


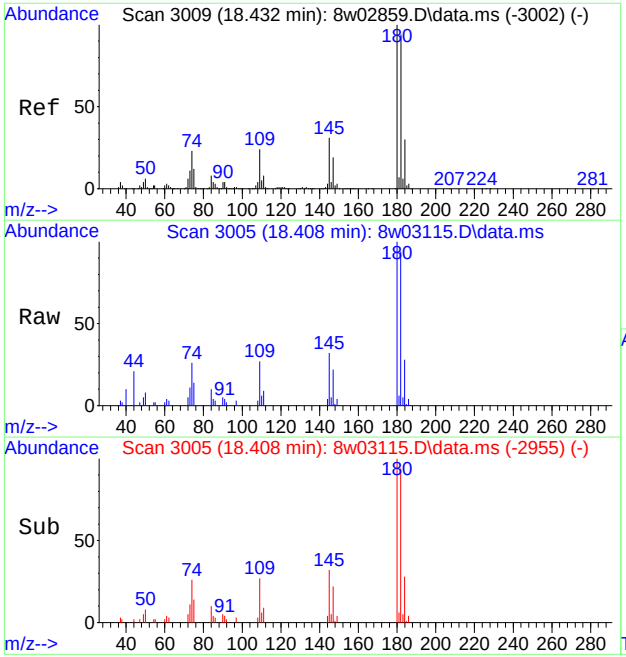


#106
HEXACHLOROBUTADIENE
Concen: 0.11 PPBV
RT: 18.682 min Scan# 3050
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:225 Resp: 4195

Ion	Ratio	Lower	Upper
225	100		
227	63.0	51.2	76.8
223	62.1	50.2	75.4

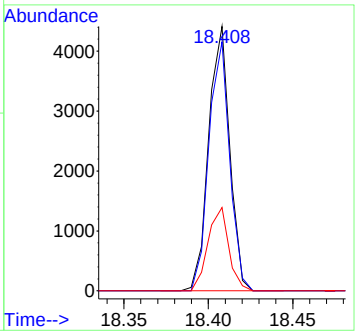


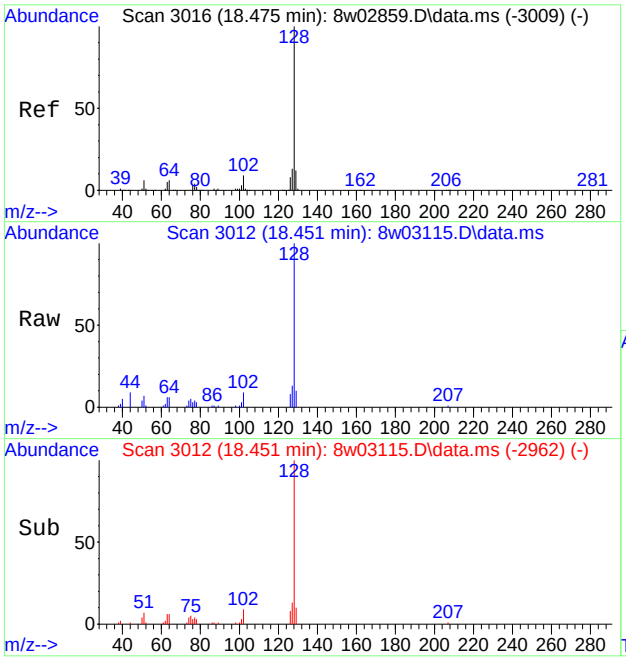


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.08 PPBV
RT: 18.408 min Scan# 3005
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:180 Resp: 3825

Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.0	114.0
145	31.3	26.2	39.2

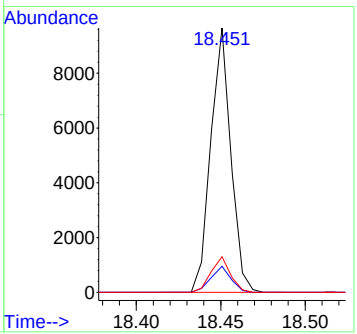


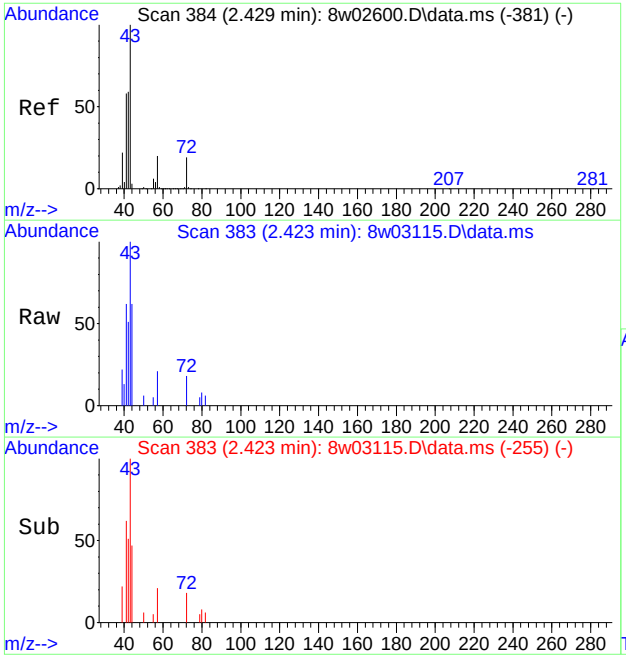


#108
NAPHTHALENE
Concen: 0.08 PPBV
RT: 18.451 min Scan# 3012
Delta R.T. 0.006 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:128 Resp: 7991

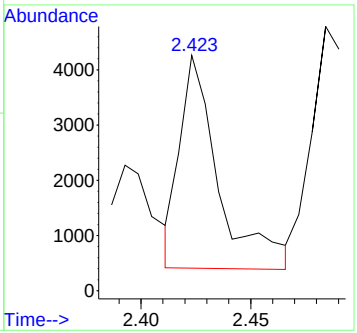
Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.8	13.2
127	13.0	10.2	15.2





#110
TVHC as equiv Pentane
Concen: 0.10 PPBV m
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03115.D
Acq: 19 Dec 2023 09:45 pm

Tgt Ion:TIC Resp: 4756



7.7.14

7

Manual Integration Approval Summary

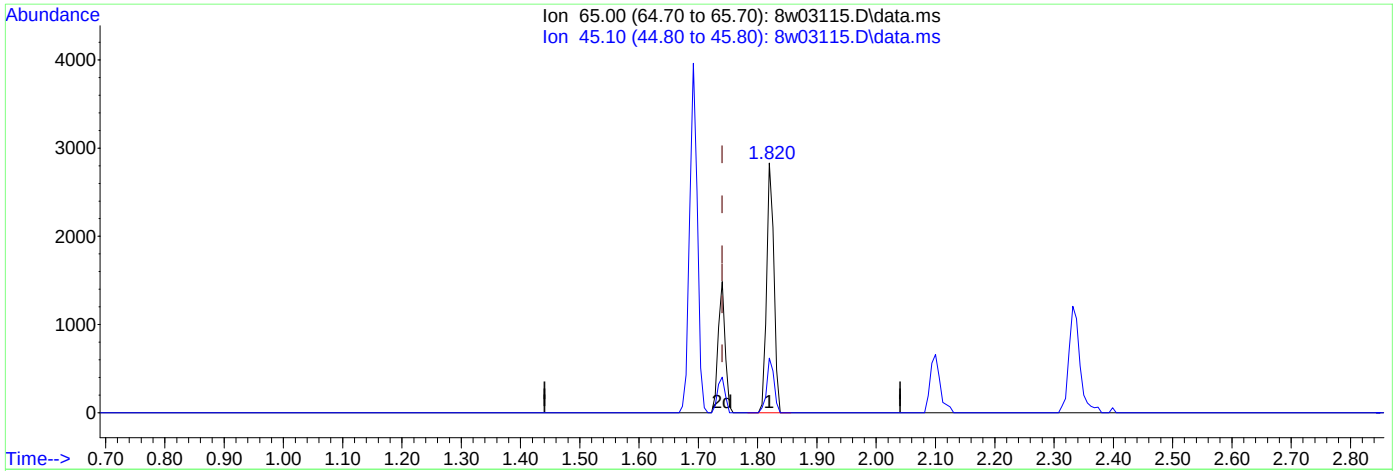
Sample Number: V8W124-IC0124 **Method:** TO-15
Lab FileID: 8W03115.D **Analyst approved:** 12/21/23 10:34 Taylor Sauter
Injection Time: 12/19/23 21:45 **Supervisor approved:** 12/21/23 12:21 Kanya Veerawat

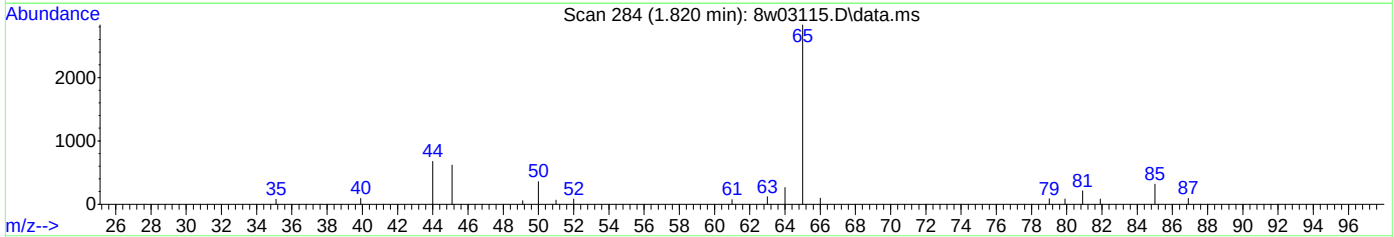
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.74	Missed peak
Chlorodifluoromethane	75-45-6		1.75	Missed peak
Chloromethane	74-87-3		1.83	Missed peak
Chloroethane	75-00-3		2.06	Missed peak
Acrolein	107-02-8		2.20	Missed peak
TVHC As Equiv Pentane			2.42	Missed peak
3-Chloropropene	107-05-1		2.59	Missed peak
Vinyl Acetate	108-05-4		3.07	Missed peak
Ethyl Acetate	141-78-6		3.56	Missed peak

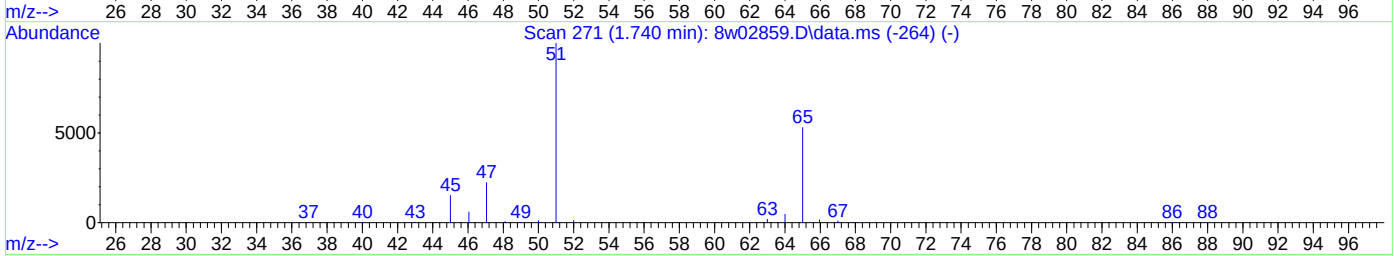
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:40 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03115.D\data.ms

(3) FREON 152A (T)

1.820min (+0.079) 0.25PPBV

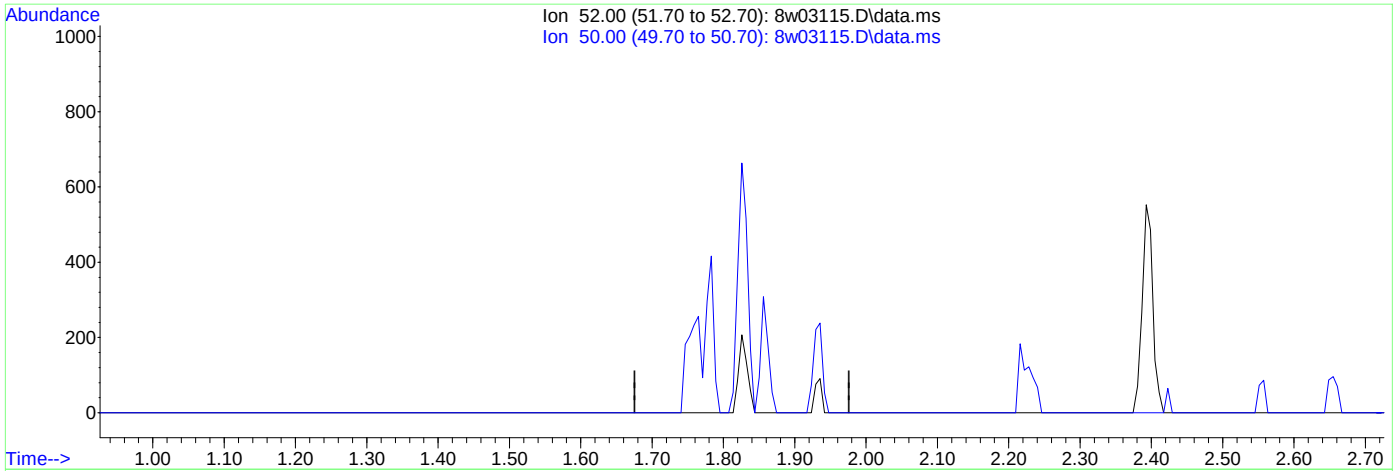
response 2382

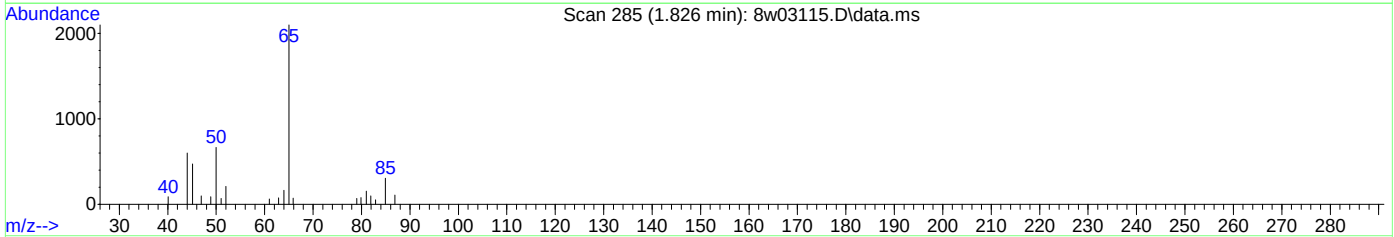
Ion	Exp%	Act%
65.00	100	100
45.10	26.90	22.04
0.00	0.00	0.00
0.00	0.00	0.00

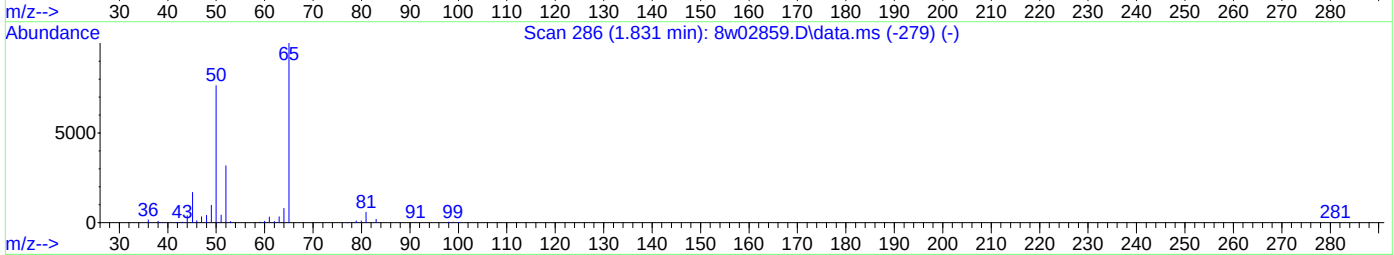
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:40 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03115.D\data.ms

(10) CHLOROMETHANE (T)

1.826min (-1.826) 0.00PPBV

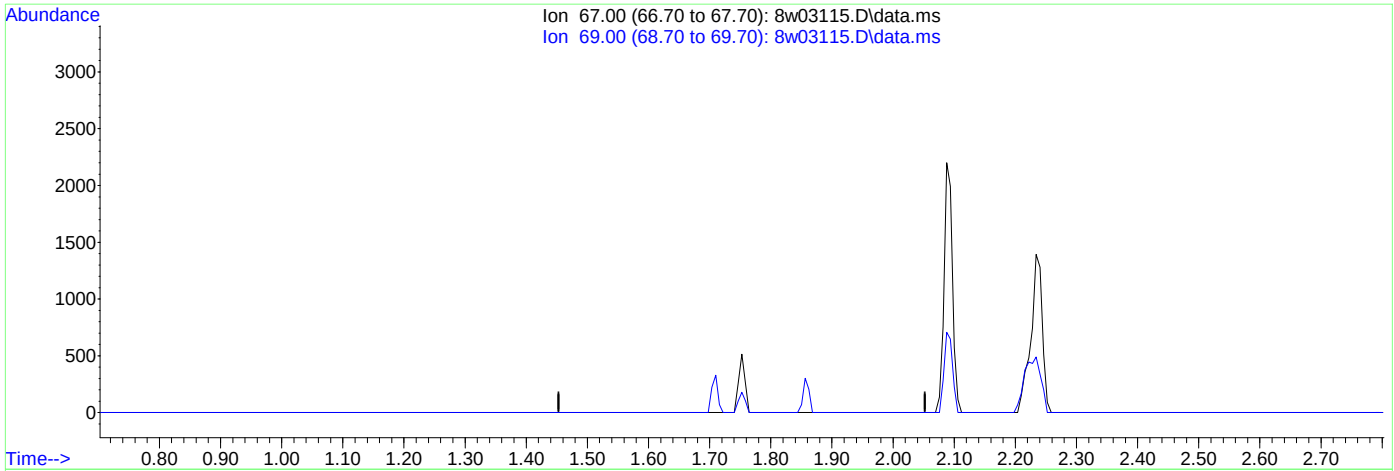
response 0

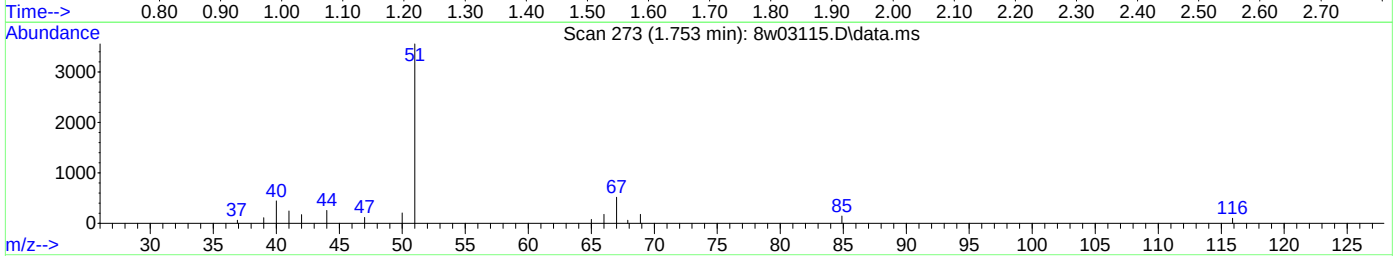
Ion	Exp%	Act%
52.00	100	0.00
50.00	447.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

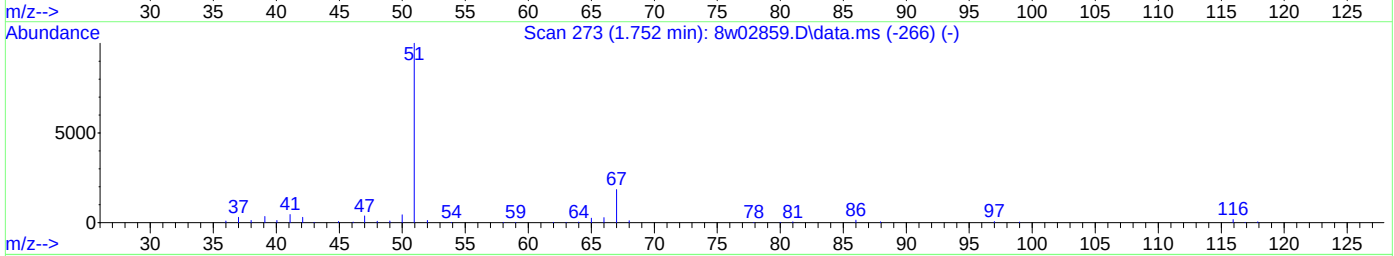
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:40 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03115.D\data.ms

(4) CHLORODIFLUOROMETHANE (T)

1.753min (-1.753) 0.00PPBV

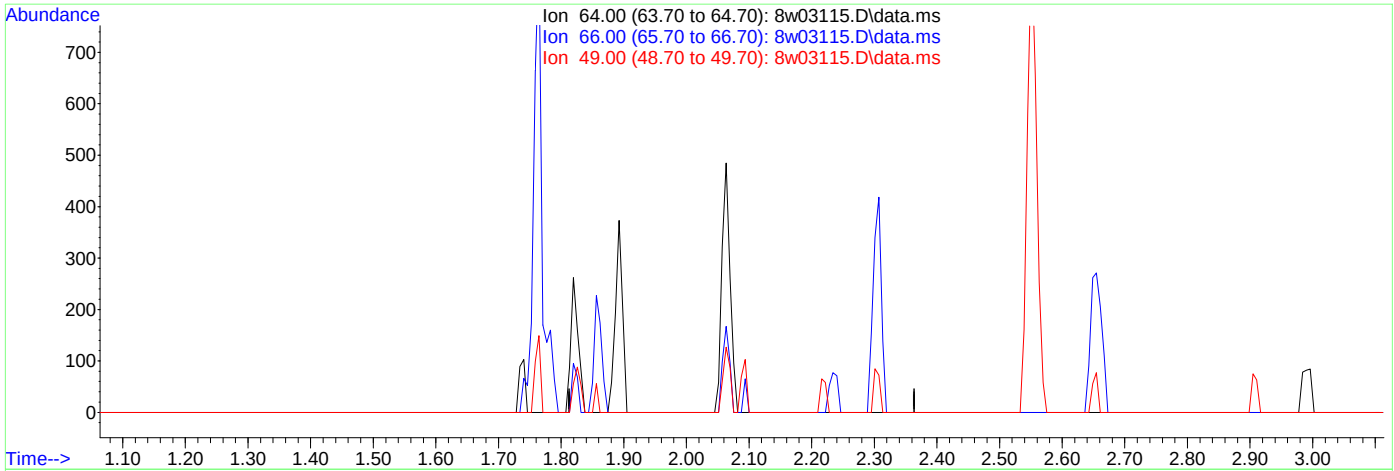
response 0

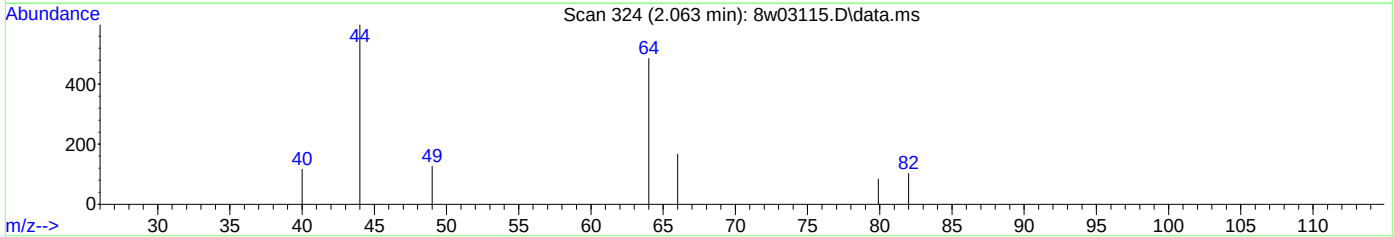
Ion	Exp%	Act%
67.00	100	0.00
69.00	34.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

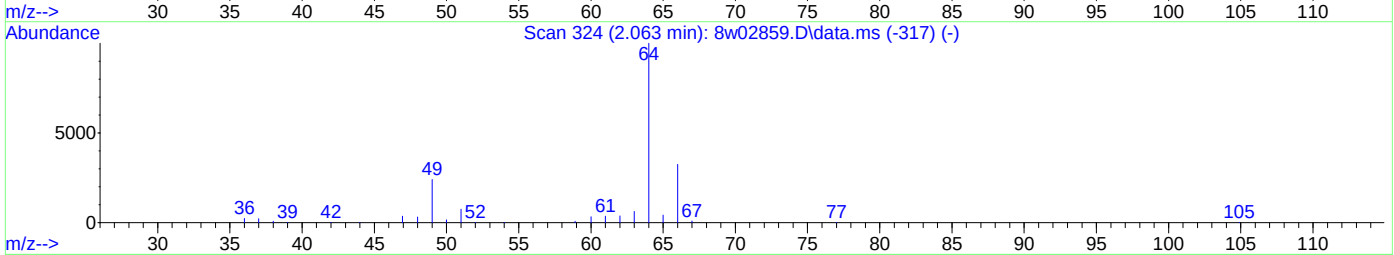
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:40 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03115.D\data.ms

(15) CHLOROETHANE (T)

2.064min (-2.064) 0.00PPBV

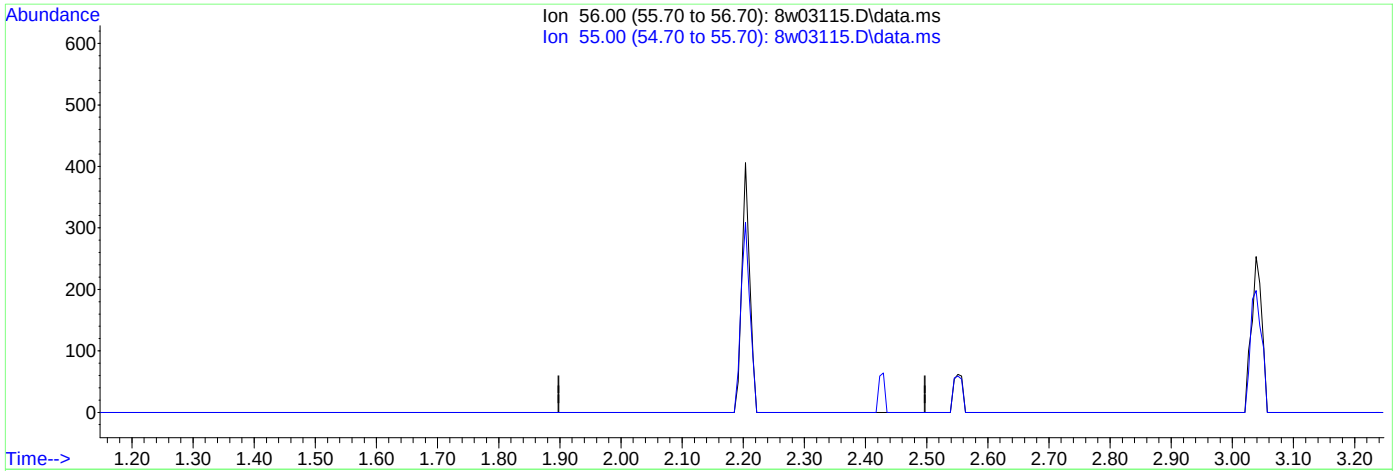
response 0

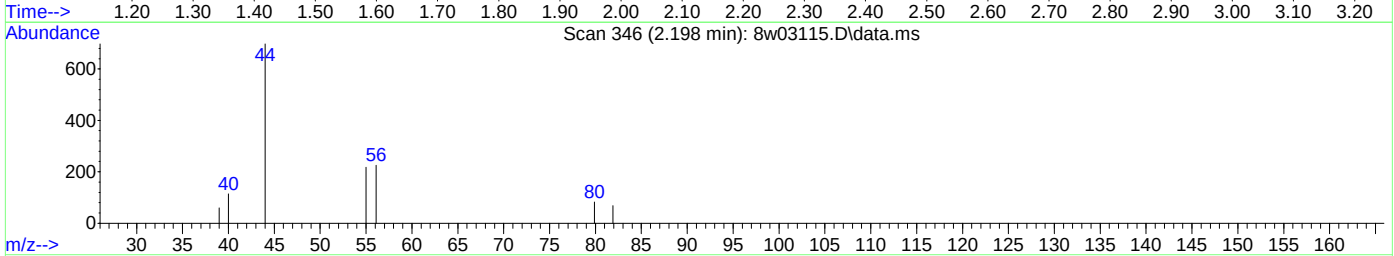
Ion	Exp%	Act%
64.00	100	0.00
66.00	45.40	0.00#
49.00	42.30	0.00#
0.00	0.00	0.00

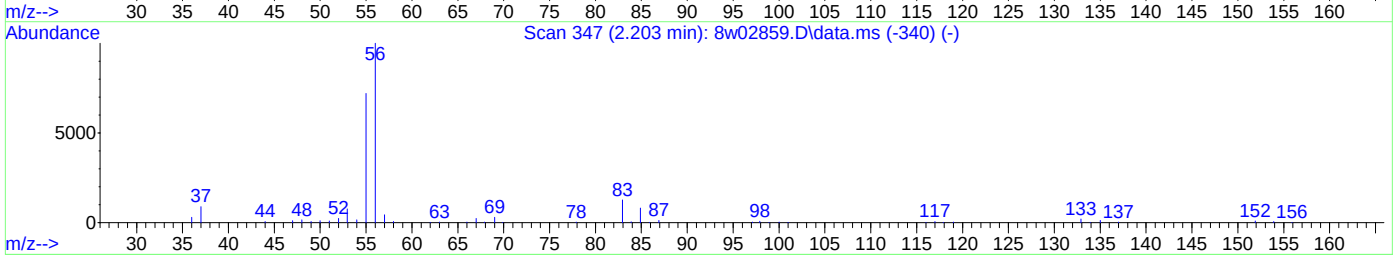
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:40 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03115.D\data.ms

(18) ACROLEIN (T)

2.198min (-2.198) 0.00PPBV

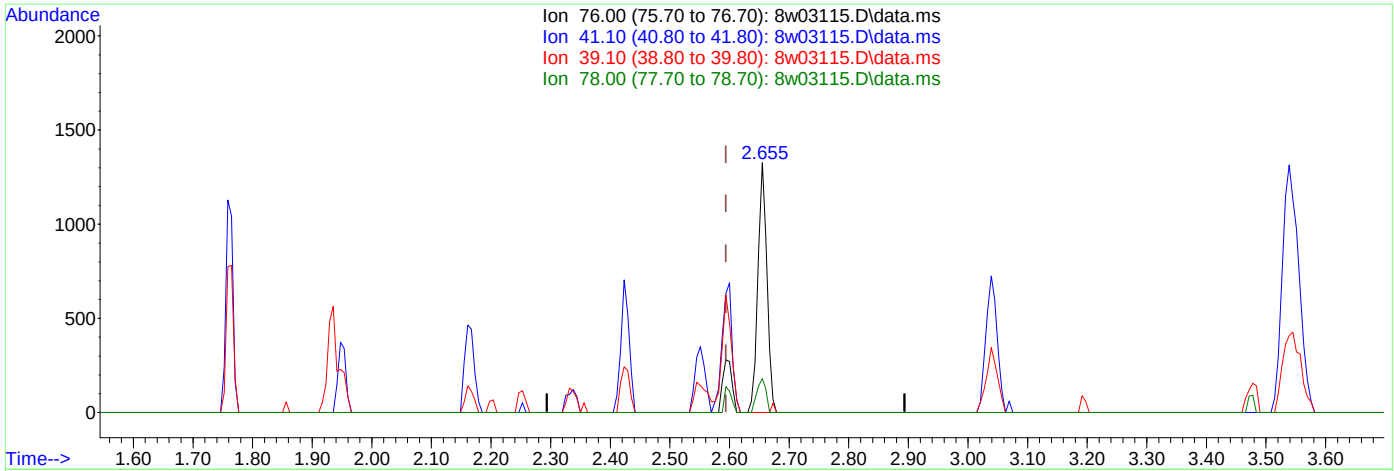
response 0

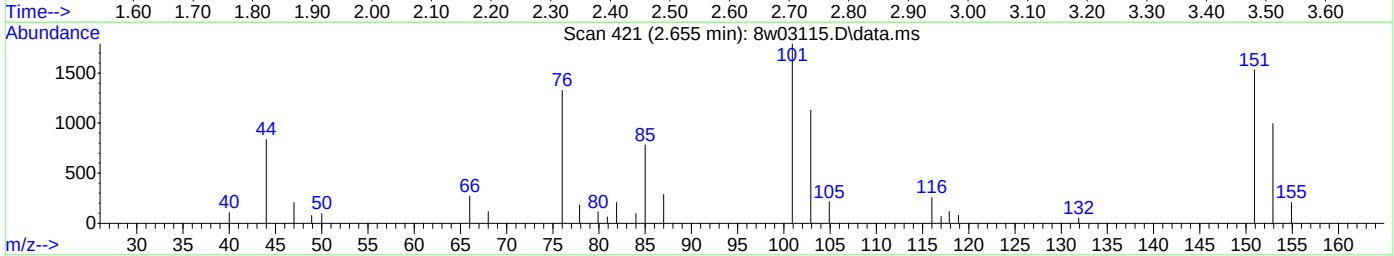
Ion	Exp%	Act%
56.00	100	0.00
55.00	71.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

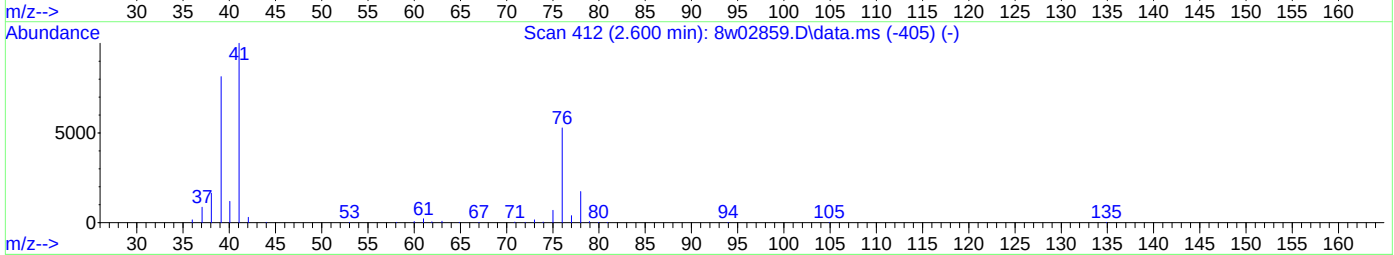
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:40 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03115.D\data.ms

(32) 3-CHLOROPROPENE (T)

2.655min (+0.061) 0.39PPBV

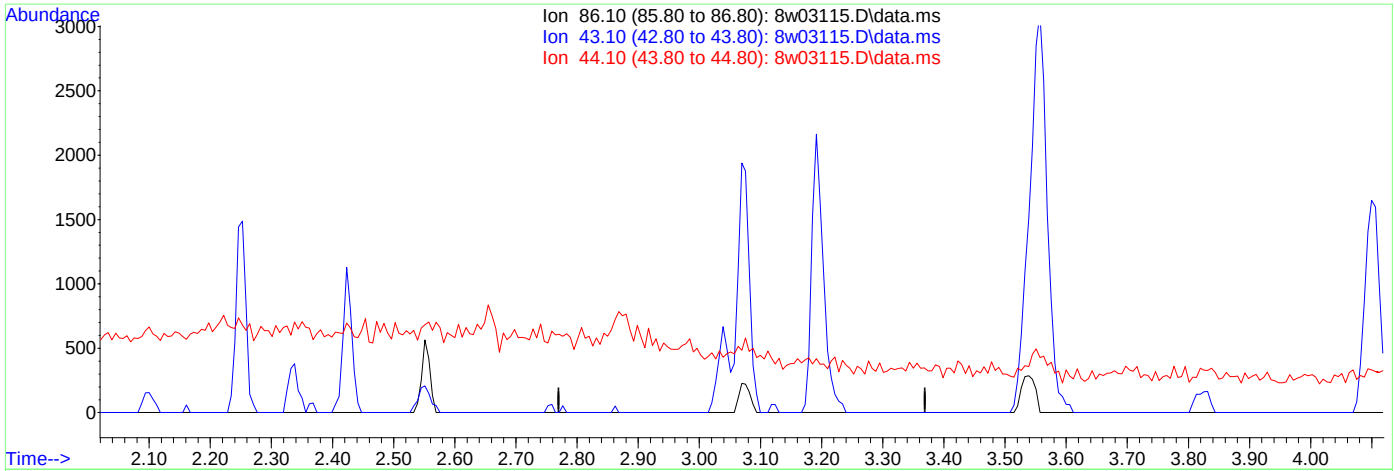
response 1417

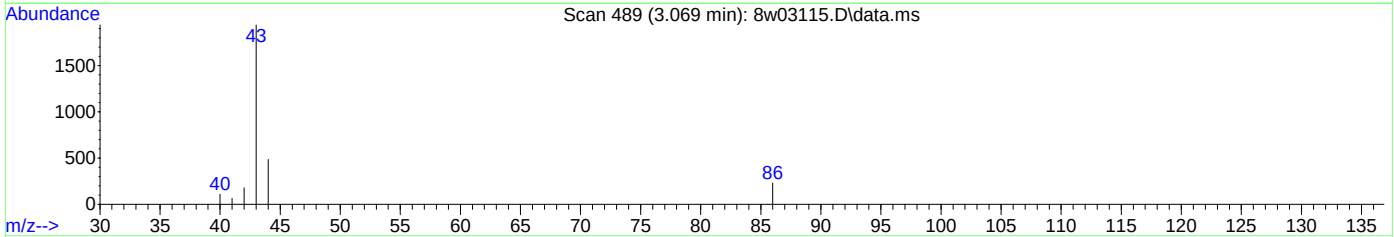
Ion	Exp%	Act%
76.00	100	100
41.10	213.30	0.00#
39.10	188.70	0.00#
78.00	32.50	0.00#

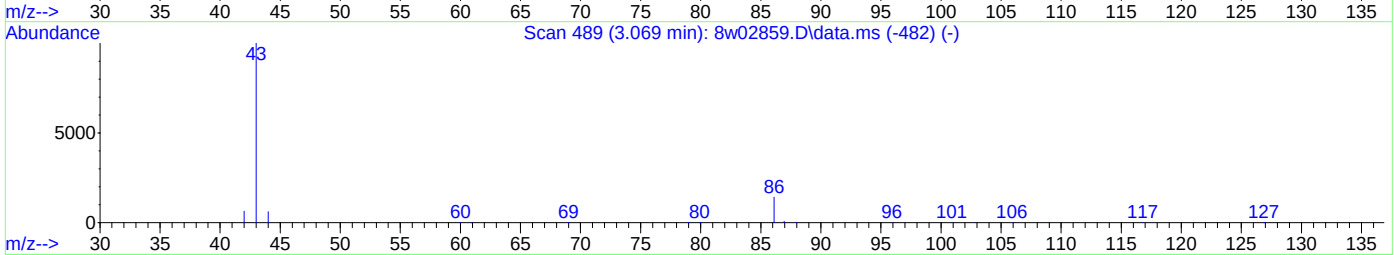
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:40 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03115.D\data.ms

(39) VINYL ACETATE (T)

3.069min (-3.069) 0.00PPBV

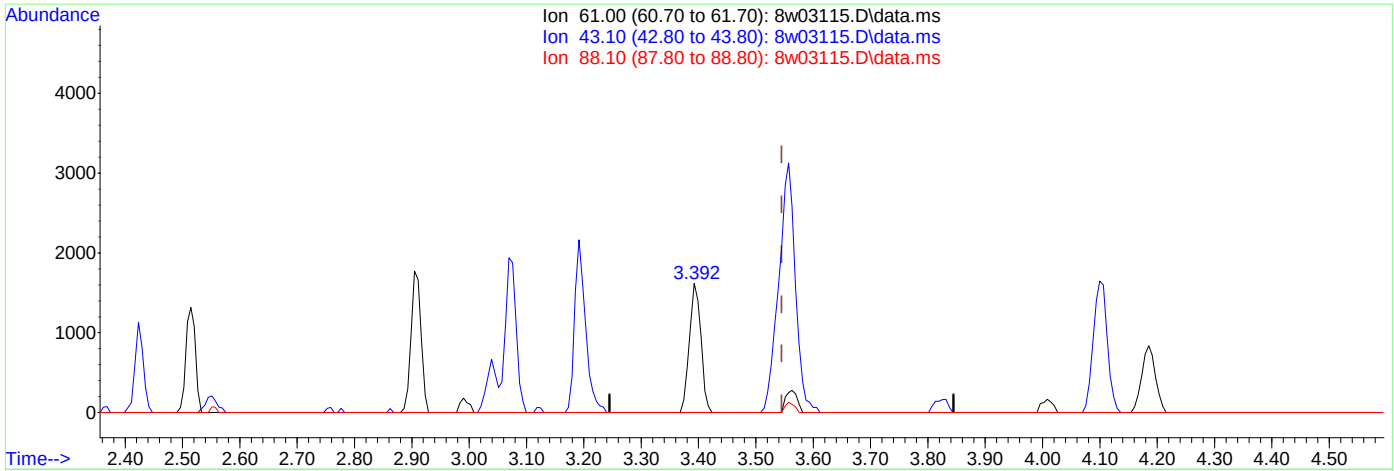
response 0

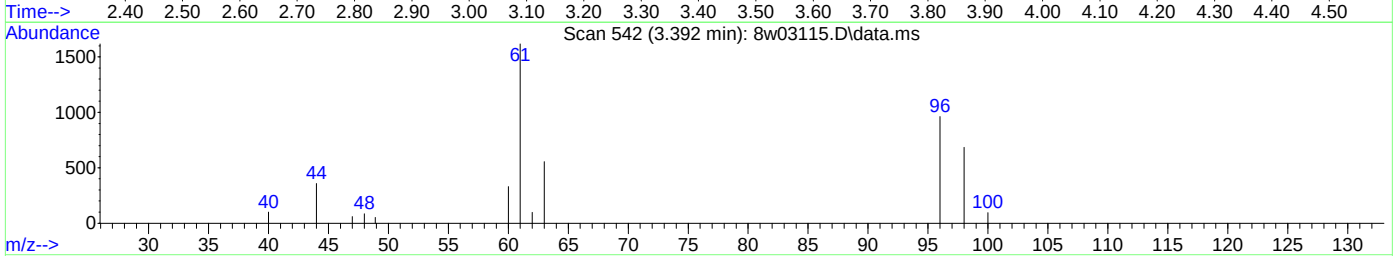
Ion	Exp%	Act%
86.10	100	0.00
43.10	1075.40	0.00#
44.10	55.20	0.00#
0.00	0.00	0.00

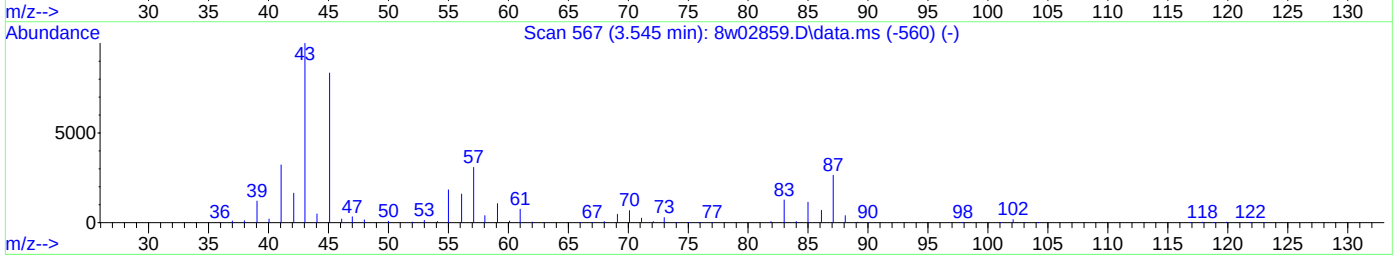
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 07:54:40 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03115.D\data.ms

(44) ETHYL ACETATE (T)

3.392min (-0.152) 0.49PPBV

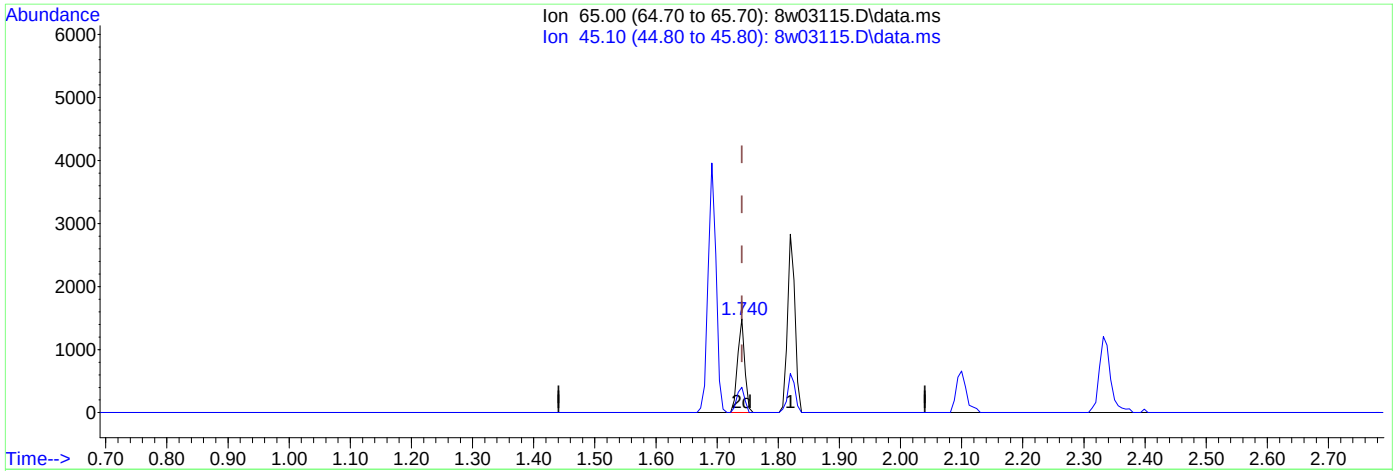
response 2259

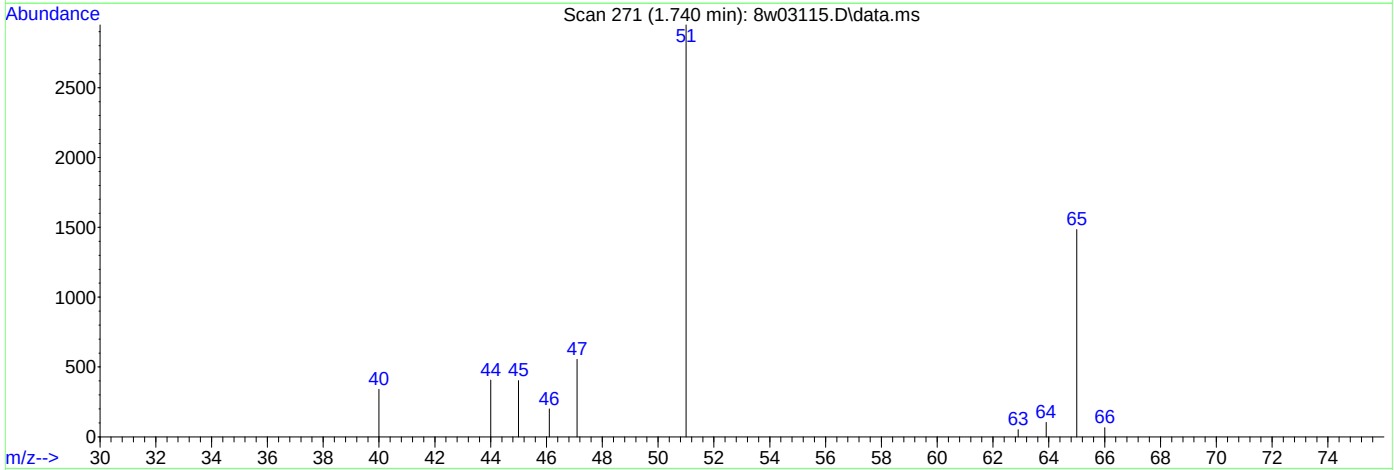
Ion	Exp%	Act%
61.00	100	100
43.10	1299.80	0.00#
88.10	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(3) FREON 152A (T)

1.740min (-0.000) 0.13PPBV m

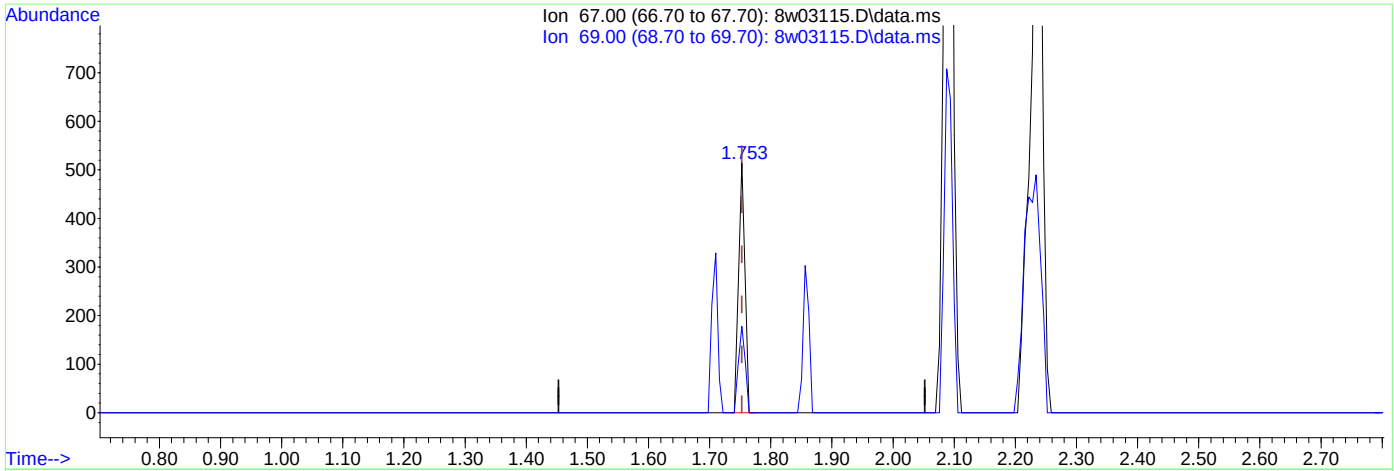
response 1217

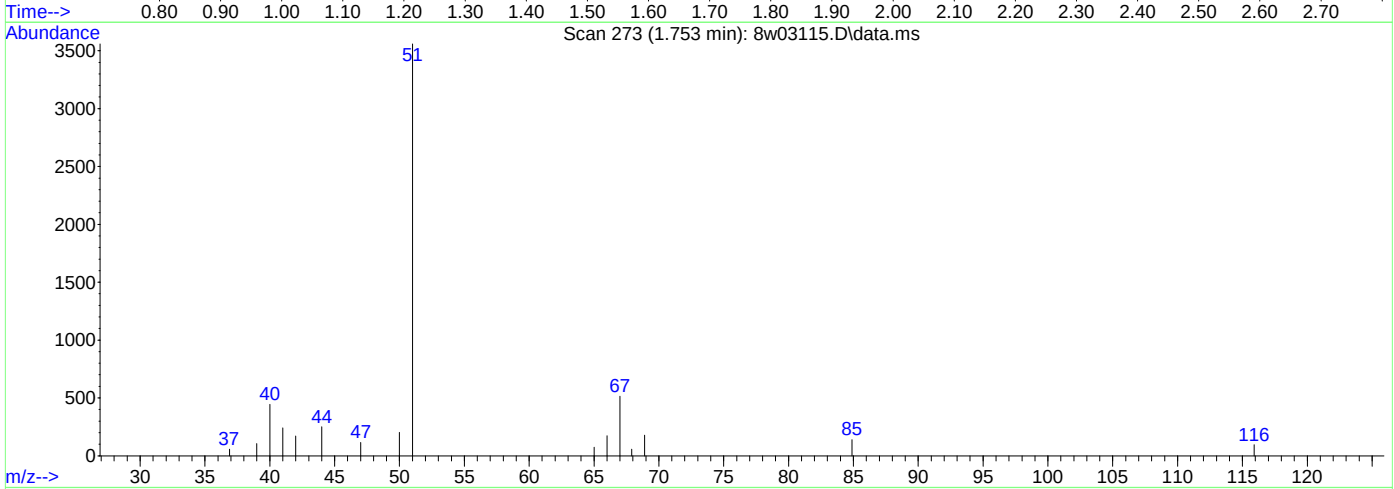
Ion	Exp%	Act%
65.00	100	100
45.10	26.90	43.14#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(4) CHLORODIFLUOROMETHANE (T)

1.753min (-0.000) 0.09PPBV m

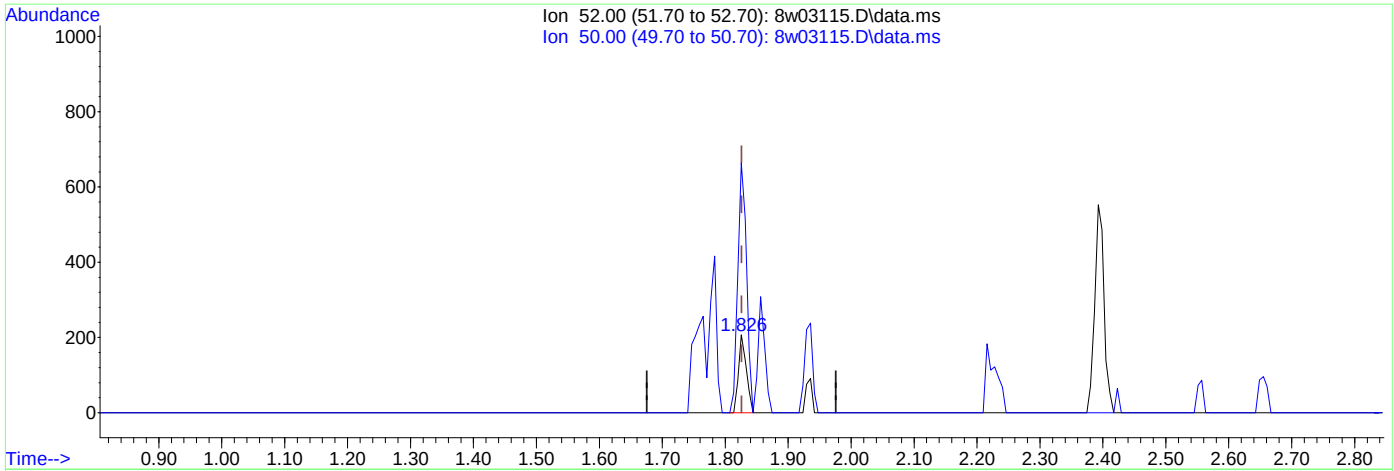
response 376

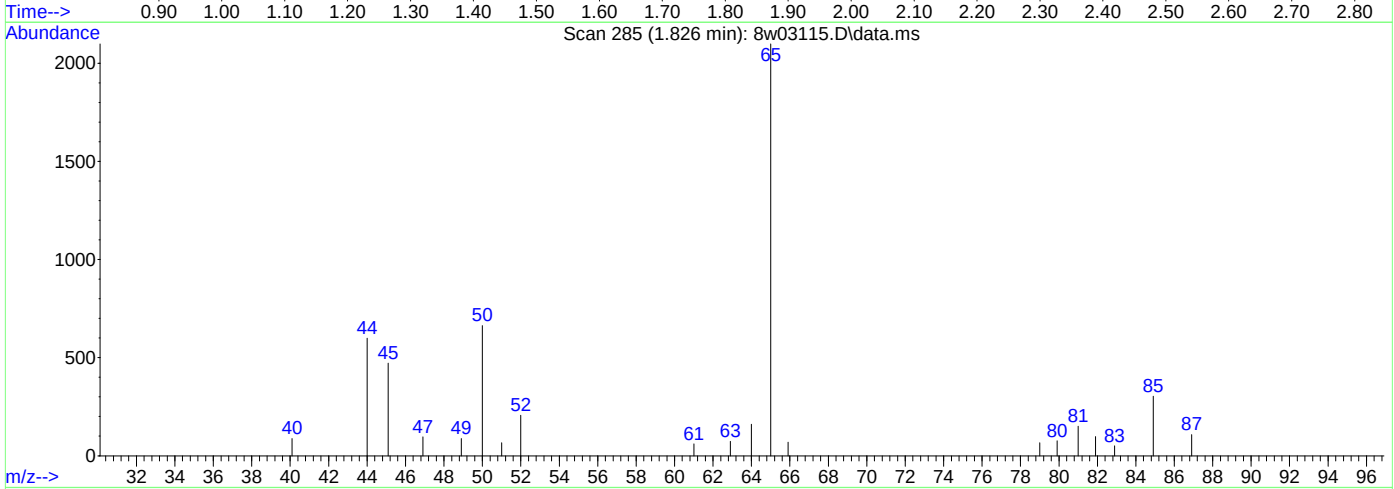
Ion	Exp%	Act%
67.00	100	100
69.00	34.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(10) CHLOROMETHANE (T)

1.826min (-0.000) 0.10PPBV m

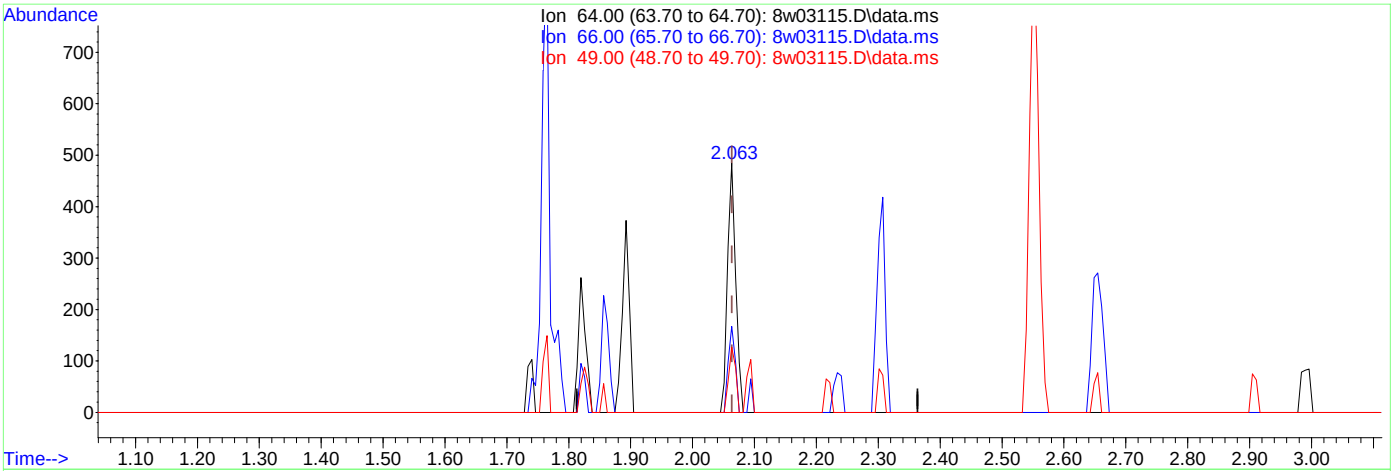
response 178

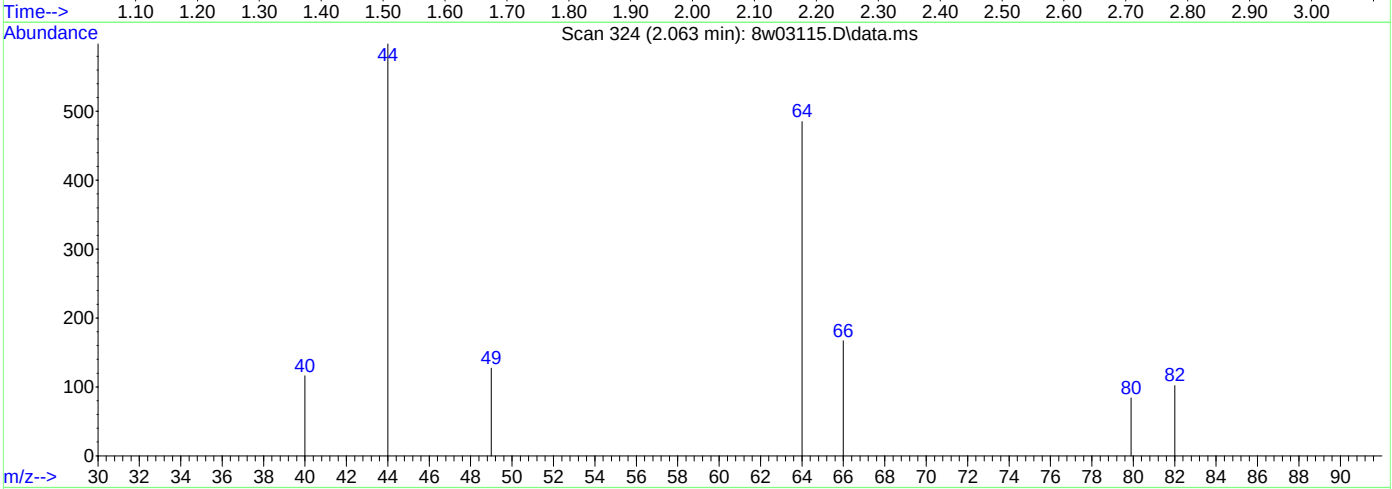
Ion	Exp%	Act%
52.00	100	100
50.00	447.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(15) CHLOROETHANE (T)

2.063min (-0.000) 0.11PPBV m

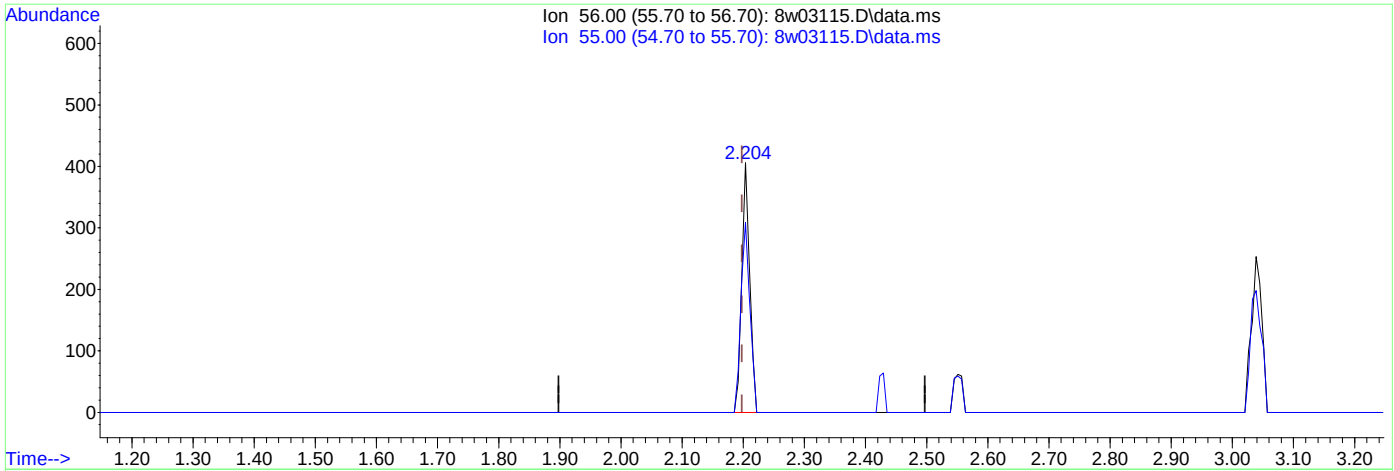
response 447

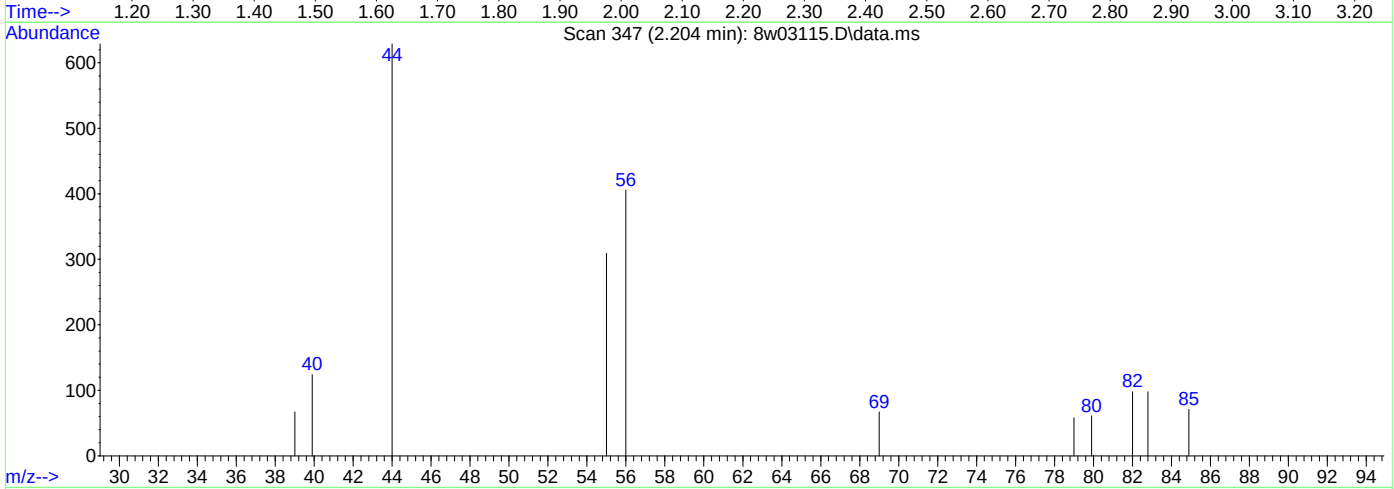
Ion	Exp%	Act%
64.00	100	100
66.00	45.40	0.00#
49.00	42.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(18) ACROLEIN (T)

2.204min (+0.006) 0.11PPBV m

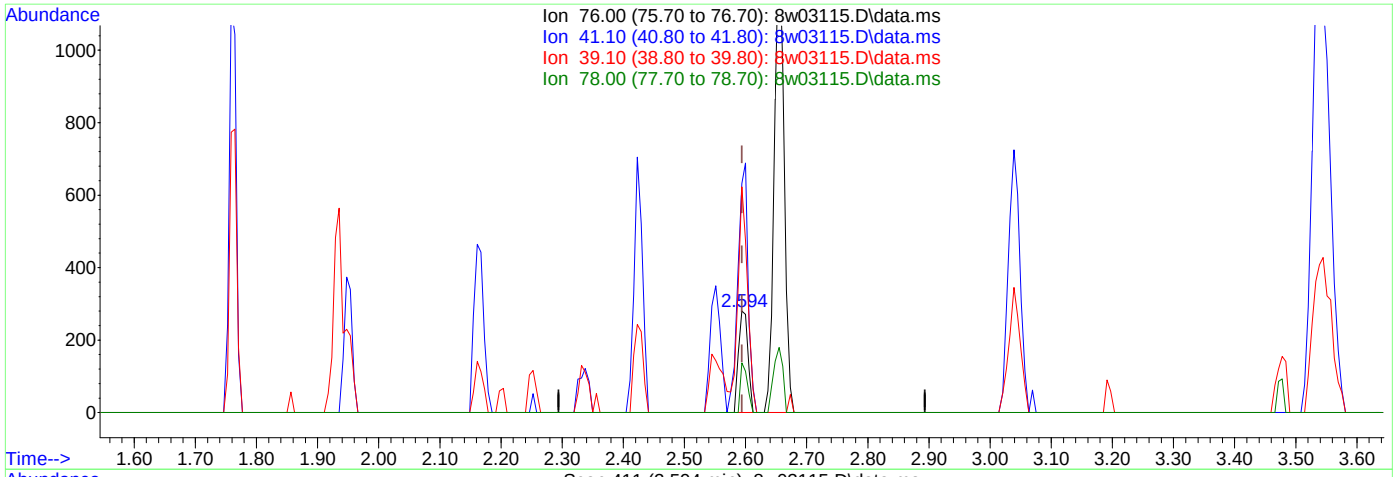
response 372

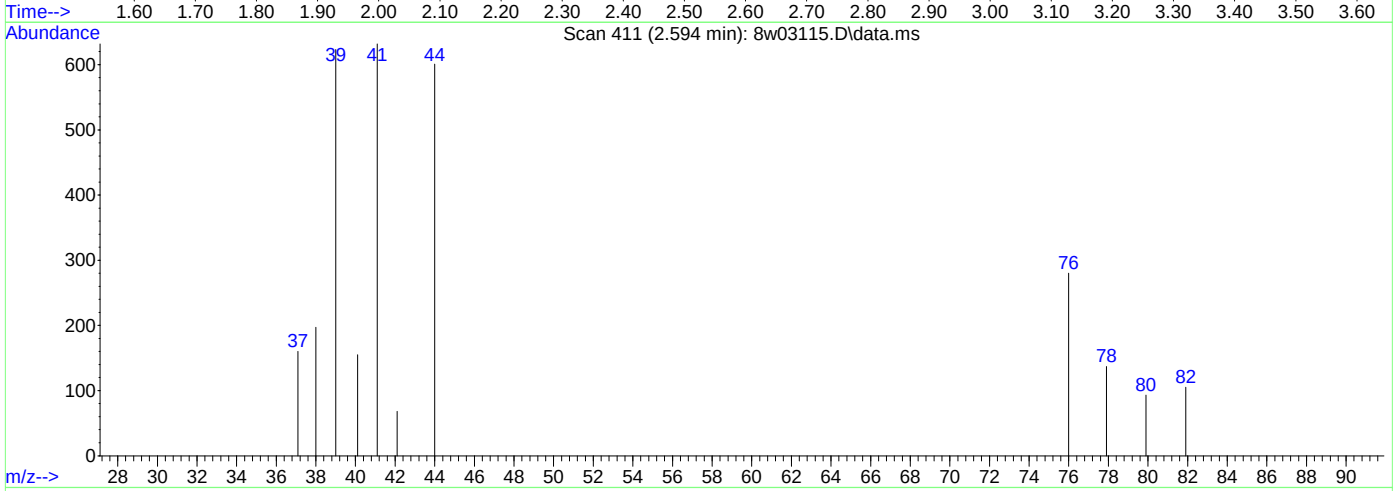
Ion	Exp%	Act%
56.00	100	100
55.00	71.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(32) 3-CHLOROPROPENE (T)

2.594min (-0.000) 0.08PPBV m

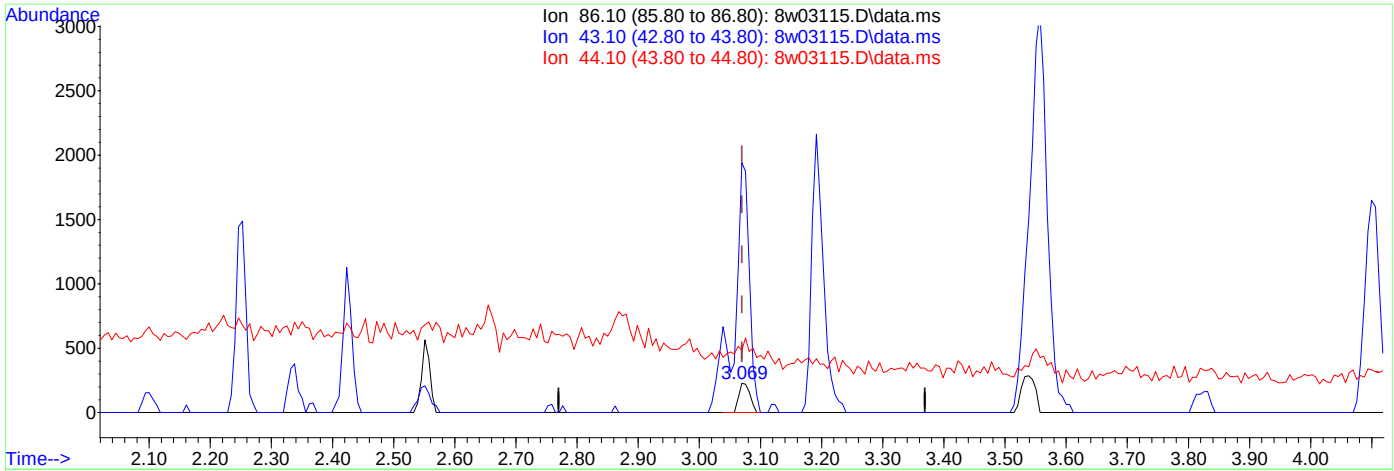
response 304

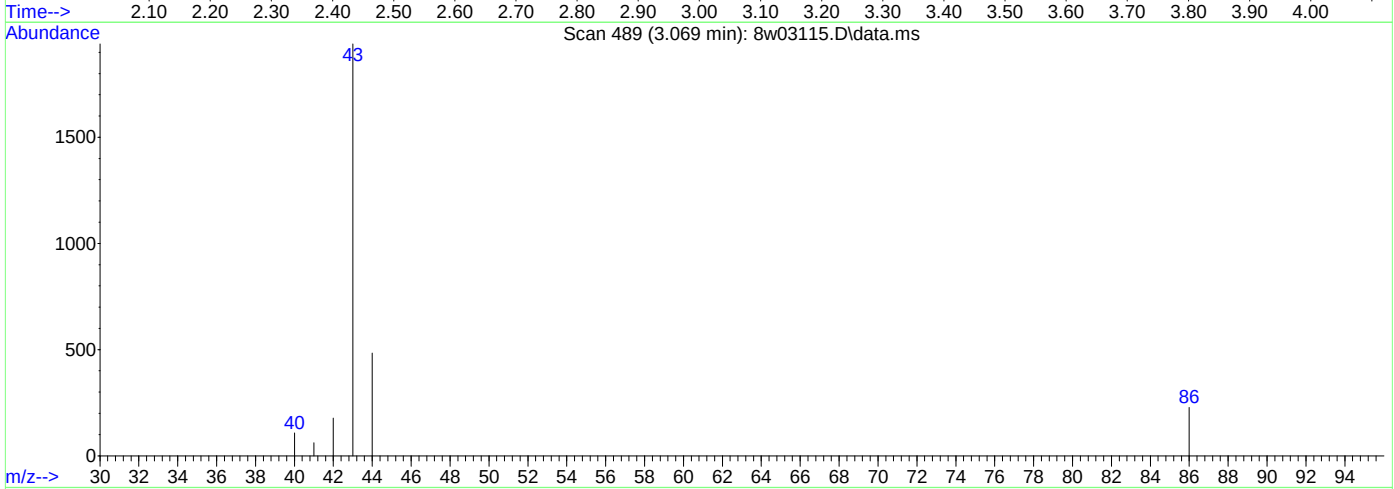
Ion	Exp%	Act%
76.00	100	100
41.10	213.30	0.00#
39.10	188.70	0.00#
78.00	32.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(39) VINYL ACETATE (T)

3.069min (-0.000) 0.07PPBV m

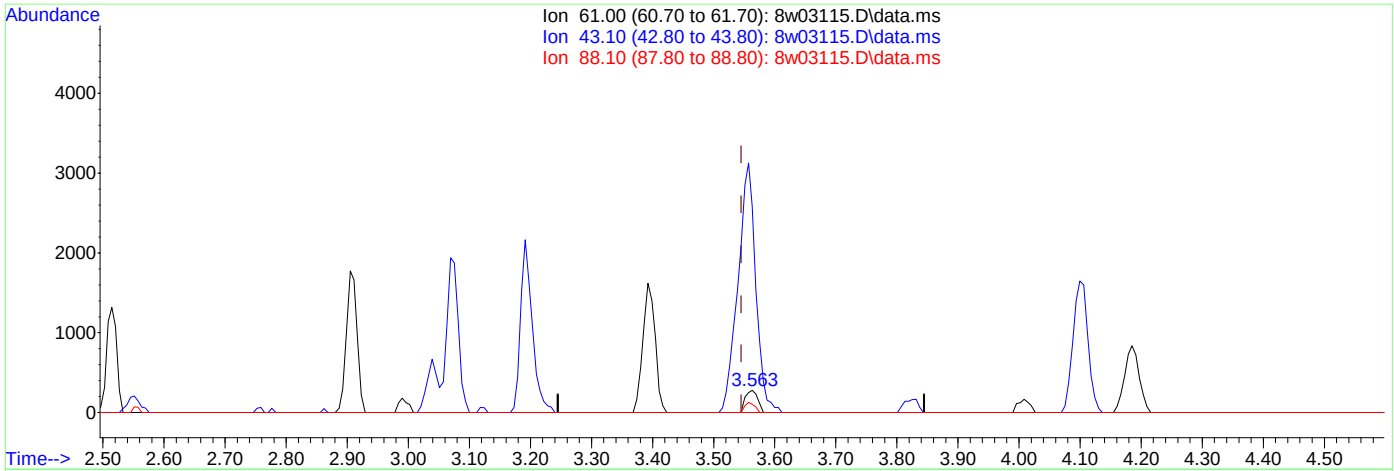
response 289

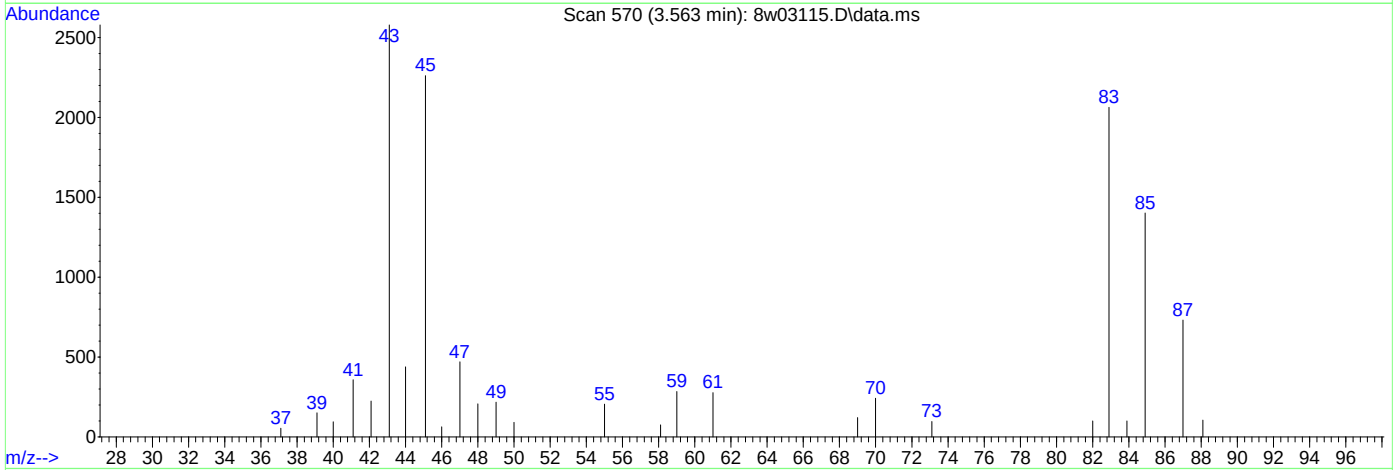
Ion	Exp%	Act%
86.10	100	100
43.10	1075.40	0.00#
44.10	55.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(44) ETHYL ACETATE (T)

3.563min (+0.018) 0.09PPBV m

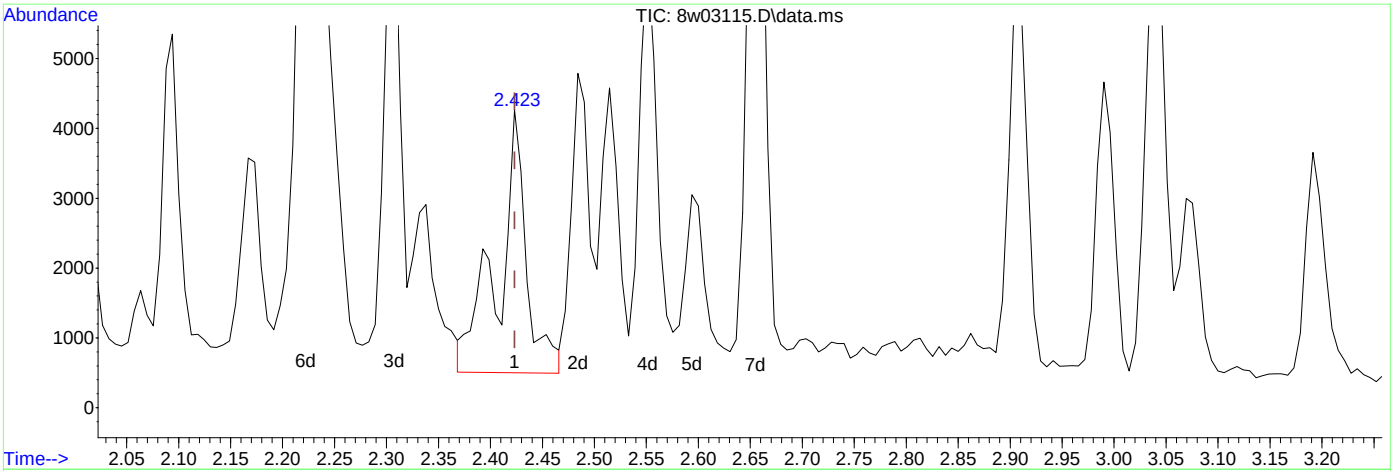
response 390

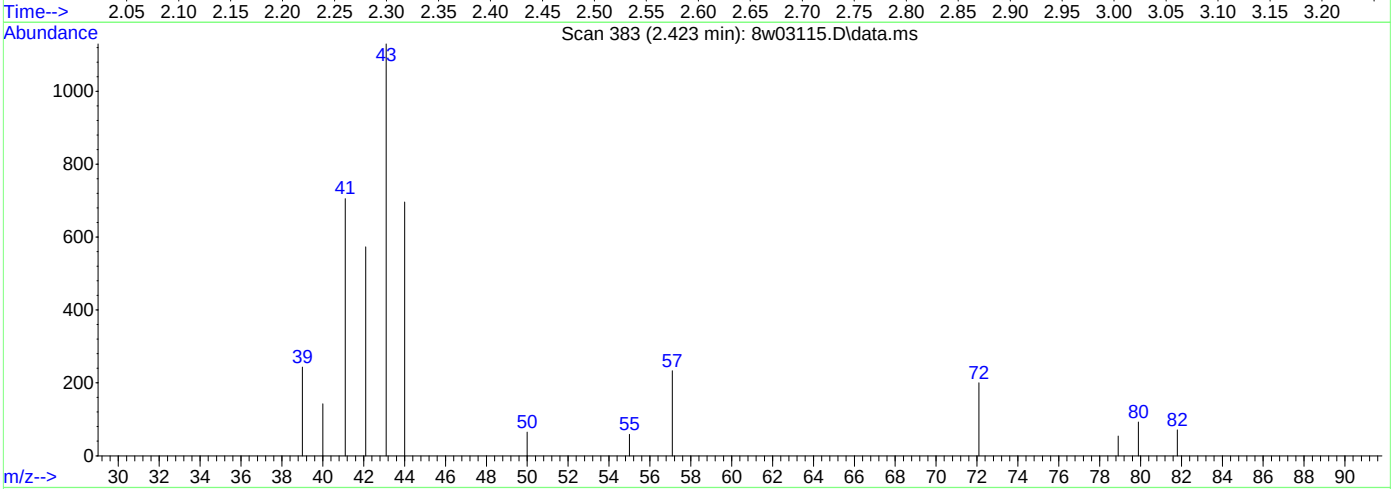
Ion	Exp%	Act%
61.00	100	100
43.10	1299.80	0.00#
88.10	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 0.15PPBV

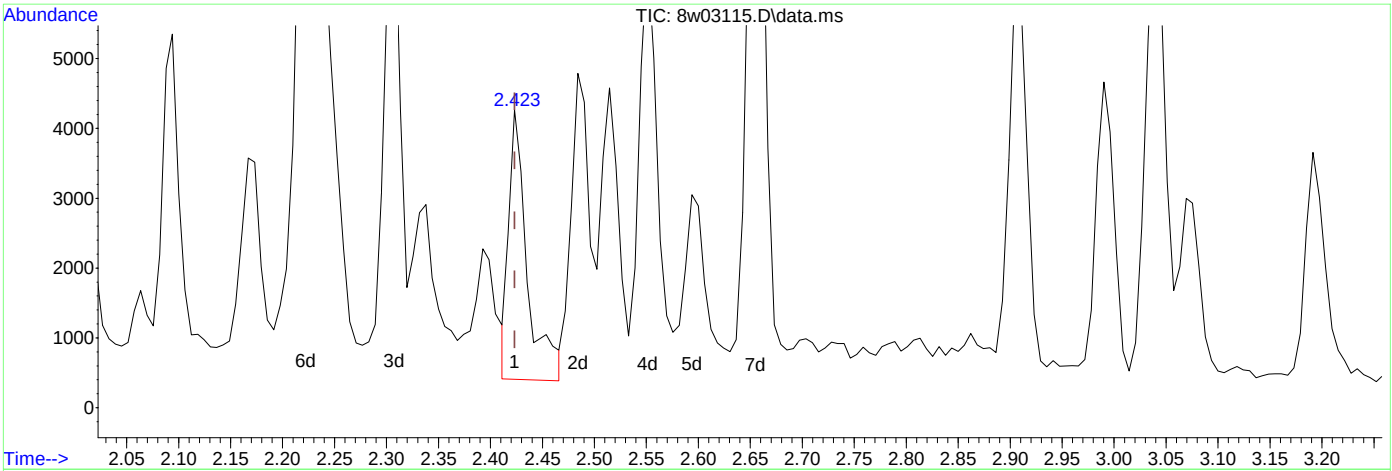
response 7021

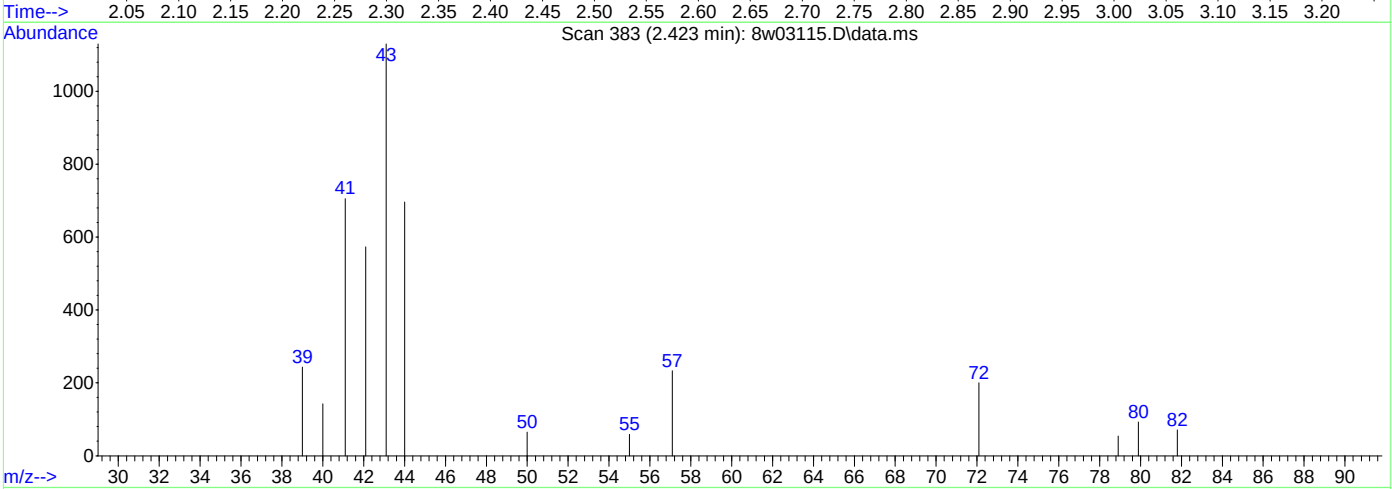
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03115.D
Acq On : 19 Dec 2023 09:45 pm
Operator : taylors
Sample : ic0124-0.10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:38 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03115.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 0.10PPBV m

response 4756

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

8W03115.D edits: TVHC as equiv Pentane

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/21/23 12:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03116.D
Acq On : 19 Dec 2023 10:20 pm
Operator : taylors
Sample : ic0124-0.20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:42:12 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	161503	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	795981	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.720	117	763082	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	161503	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.153	95	585628	9.92	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	2228	0.23	PPBV		96
4) CHLORODIFLUOROMETHANE	1.752	67	918	0.22	PPBV	#	41
5) CHLOROTRIFLUOROETHENE	1.765	116	4027	0.20	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.783	85	7071	0.21	PPBV		98
7) PROPYLENE	1.759	41	1994	0.21	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.819	65	4741	0.21	PPBV	#	95
9) FREON 114	1.856	85	5455	0.21	PPBV		96
10) CHLOROMETHANE	1.826	52	353m	0.20	PPBV		
11) VINYL CHLORIDE	1.893	62	1562	0.20	PPBV	#	93
12) 1,3-BUTADIENE	1.929	54	1085	0.20	PPBV		94
13) N-BUTANE	1.948	43	1997	0.23	PPBV	#	65
14) BROMOMETHANE	2.015	94	1666	0.20	PPBV	#	95
15) CHLOROETHANE	2.063	64	882	0.21	PPBV	#	32
16) DICHLOROFLUOROMETHANE	2.088	67	4295	0.21	PPBV	#	91
17) ACETONITRILE	2.161	41	998	0.20	PPBV	#	81
18) ACROLEIN	2.204	56	704	0.20	PPBV		99
19) FREON 123	2.216	83	4258	0.21	PPBV		98
20) FREON 123A	2.234	117	2841	0.21	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.301	101	6515	0.21	PPBV		100
22) ISOPROPYL ALCOHOL	2.332	45	3038	0.22	PPBV	#	88
23) ACETONE	2.246	58	932	0.25	PPBV		98
24) PENTANE	2.423	42	1221	0.21	PPBV	#	81
25) IODOMETHANE	2.484	142	4866	0.20	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.514	96	1794	0.22	PPBV		94
27) CARBON DISULFIDE	2.655	76	2868	0.16	PPBV	#	100
29) BROMOETHENE	2.167	106	1681	0.20	PPBV	#	92
30) ACRYLONITRILE	2.393	52	1126	0.23	PPBV		91
31) METHYLENE CHLORIDE	2.551	84	1557	0.22	PPBV		98
32) 3-CHLOROPROPENE	2.594	76	688	0.19	PPBV	#	67
33) FREON 113	2.655	151	3492	0.21	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.905	96	2574	0.18	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.545	59	3581	0.20	PPBV		94
36) METHYL TERTIARY BUTYL ...	3.033	73	7829	0.18	PPBV		99
37) TETRAHYDROFURAN	3.813	72	1191	0.16	PPBV		79
38) HEXANE	3.533	57	5083	0.21	PPBV		93
39) VINYL ACETATE	3.069	86	575	0.14	PPBV	#	68
40) 1,1-DICHLOROETHANE	2.990	63	5394	0.20	PPBV		99
41) METHYL ETHYL KETONE	3.185	72	1513	0.19	PPBV		83
42) CIS-1,2-DICHLOROETHENE	3.392	96	3253	0.19	PPBV		98
43) DIISOPROPYL ETHER	3.551	59	1562	0.21	PPBV		97
44) ETHYL ACETATE	3.557	61	915	0.20	PPBV	#	78
45) METHYL ACRYLATE	3.533	55	6254	0.21	PPBV	#	98
46) CHLOROFORM	3.557	83	6738	0.21	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.093	57	5751	0.18	PPBV		91
48) 1,1,1-TRICHLOROETHANE	4.185	97	5575	0.17	PPBV		92
49) CARBON TETRACHLORIDE	4.642	117	5262	0.15	PPBV		97
50) 1,2-DICHLOROETHANE	4.008	62	4921	0.21	PPBV	#	94
51) BENZENE	4.520	78	9201	0.20	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03116.D
Acq On : 19 Dec 2023 10:20 pm
Operator : taylors
Sample : ic0124-0.20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:42:12 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

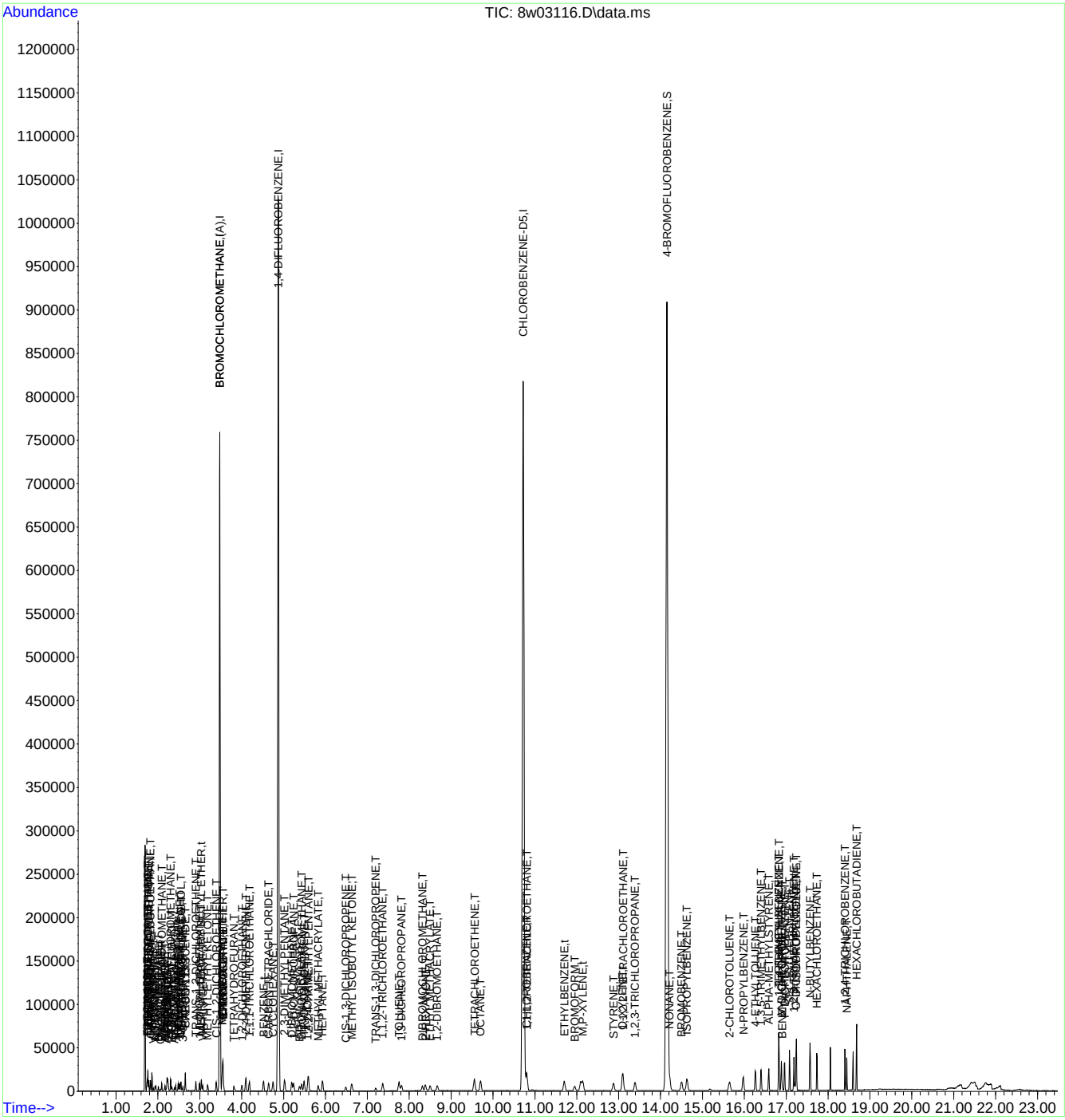
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) CYCLOHEXANE	4.746	84	3787	0.18	PPBV		93
54) 2,3-DIMETHYLPENTANE	5.020	71	2060	0.19	PPBV	#	97
55) TRICHLOROETHENE	5.490	95	4308	0.20	PPBV		98
56) 1,2-DICHLOROPROPANE	5.240	63	3629	0.21	PPBV		97
57) DIBROMOMETHANE	5.197	174	4128	0.21	PPBV		98
58) ETHYL ACRYLATE	5.380	55	6195	0.17	PPBV	#	93
59) BROMODICHLOROMETHANE	5.429	83	5576	0.16	PPBV		94
60) 2,2,4-TRIMETHYLPENTANE	5.593	57	16189	0.20	PPBV		99
61) 1,4-DIOXANE	5.569	88	2211	0.20	PPBV	#	53
62) HEPTANE	5.929	43	4675	0.19	PPBV		98
63) METHYL METHACRYLATE	5.825	69	3012	0.18	PPBV		95
64) METHYL ISOBUTYL KETONE	6.630	58	3017	0.20	PPBV		94
65) CIS-1,3-DICHLOROPROPENE	6.489	75	3602	0.14	PPBV		96
66) TOLUENE	7.757	91	10541	0.18	PPBV		100
67) 1,3-DICHLOROPROPANE	7.812	76	5535	0.20	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	7.197	75	2648	0.12	PPBV		95
69) 1,1,2-TRICHLOROETHANE	7.361	83	3145	0.20	PPBV		98
70) 2-HEXANONE	8.385	58	4007	0.20	PPBV		94
71) ETHYL METHACRYLATE	8.495	69	4559	0.17	PPBV		99
72) TETRACHLOROETHENE	9.562	164	4578	0.20	PPBV		94
73) DIBROMOCHLOROMETHANE	8.312	129	4478	0.13	PPBV		99
74) 1,2-DIBROMOETHANE	8.666	107	5762	0.19	PPBV	#	98
75) OCTANE	9.702	43	6366	0.19	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	10.812	131	4287	0.17	PPBV		96
78) CHLOROBENZENE	10.800	112	10007	0.20	PPBV		98
79) ETHYLBENZENE	11.702	91	13753	0.17	PPBV		99
80) M,P-XYLENE	12.141	91	21800	0.34	PPBV		98
81) O-XYLENE	13.092	91	11357	0.17	PPBV		97
82) STYRENE	12.878	104	7590	0.15	PPBV		99
83) NONANE	14.214	43	8111	0.21	PPBV	#	82
84) BROMOFORM	11.952	173	4149	0.12	PPBV	#	94
85) 1,1,2,2-TETRACHLOROETHANE	13.104	83	9237	0.21	PPBV		98
86) 1,2,3-TRICHLOROPROPANE	13.391	75	7325	0.20	PPBV	#	99
88) ISOPROPYLBENZENE	14.628	120	4265	0.18	PPBV		94
89) BROMOBENZENE	14.500	77	8591	0.19	PPBV		96
90) 2-CHLOROTOLUENE	15.646	126	3636	0.16	PPBV		96
91) N-PROPYLBENZENE	15.982	120	4221	0.17	PPBV		98
92) 4-ETHYLTOLUENE	16.262	105	15406	0.17	PPBV	#	99
93) 1,3,5-TRIMETHYLBENZENE	16.396	105	12998	0.17	PPBV		99
94) ALPHA-METHYLSTYRENE	16.585	118	6315	0.17	PPBV		98
95) TERT-BUTYLBENZENE	16.823	134	3323	0.20	PPBV		93
96) 1,2,4-TRIMETHYLBENZENE	16.829	105	14300	0.19	PPBV		99
97) BENZYL CHLORIDE	16.902	91	3422	0.09	PPBV	#	84
98) M-DICHLOROBENZENE	16.884	146	10041	0.20	PPBV		98
99) P-DICHLOROBENZENE	16.963	146	10046	0.20	PPBV		100
100) O-DICHLOROBENZENE	17.231	146	9799	0.21	PPBV		98
101) SEC-BUTYLBENZENE	17.079	134	3986	0.19	PPBV		96
102) 1,2,3-TRIMETHYLBENZENE	17.183	105	14255	0.19	PPBV		99
103) P-ISOPROPYLTOLUENE	17.244	134	4562	0.20	PPBV		92
104) N-BUTYLBENZENE	17.567	134	3959	0.18	PPBV		94
105) HEXACHLOROETHANE	17.731	117	3471	0.14	PPBV		97
106) HEXACHLOROBUTADIENE	18.682	225	8110	0.20	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.402	180	7862	0.17	PPBV		97
108) NAPHTHALENE	18.445	128	16805	0.16	PPBV		100
110) TVHC as equiv Pentane	2.423	TIC	7908m	0.17	PPBV		

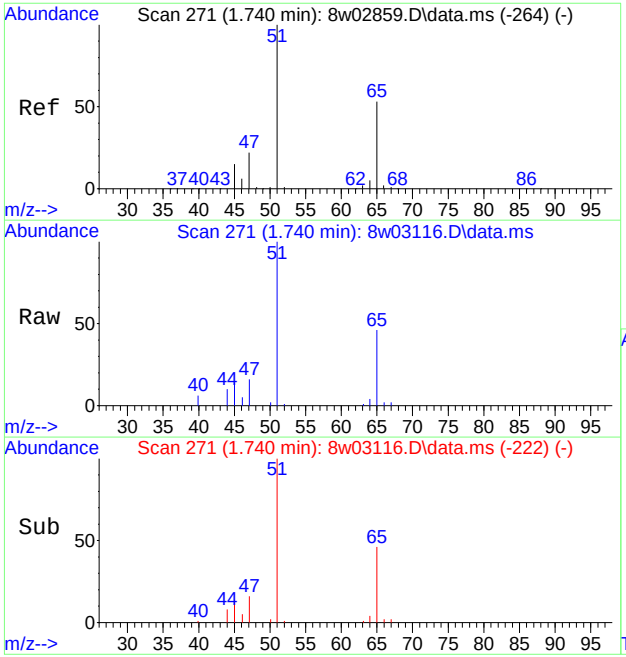
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03116.D
Acq On : 19 Dec 2023 10:20 pm
Operator : taylors
Sample : ic0124-0.20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:42:12 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

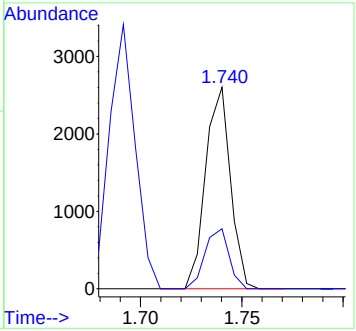


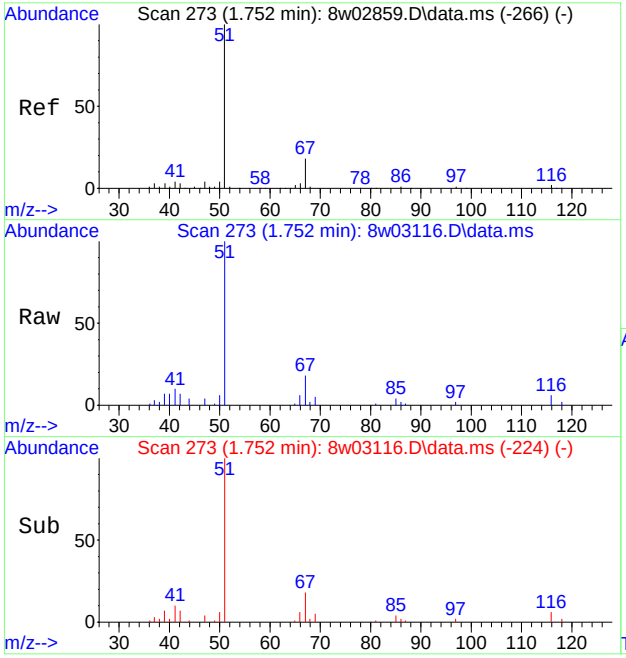


#3
FREON 152A
Concen: 0.23 PPBV
RT: 1.740 min Scan# 271
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 65 Resp: 2228

Ion	Ratio	Lower	Upper
65	100		
45	28.9	21.5	32.3

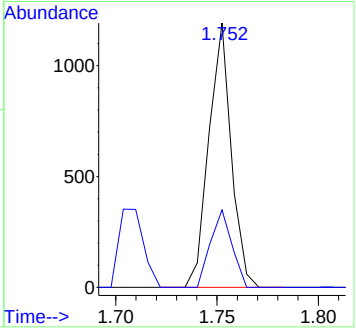


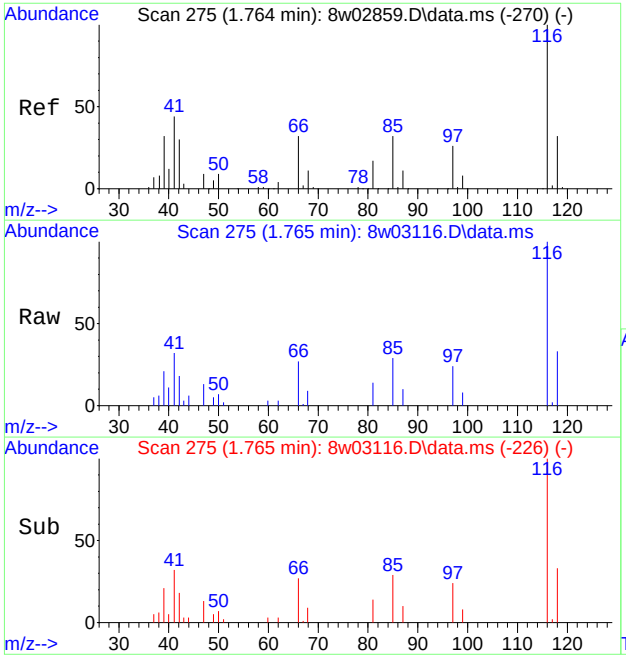


#4
CHLORODIFLUOROMETHANE
Concen: 0.22 PPBV
RT: 1.752 min Scan# 273
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 67 Resp: 918

Ion	Ratio	Lower	Upper
67	100		
69	0.0	27.3	40.9#

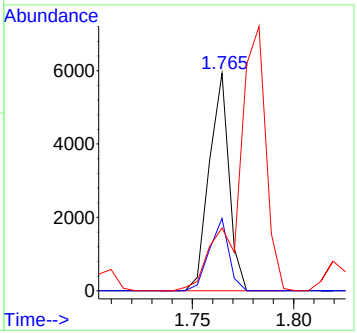


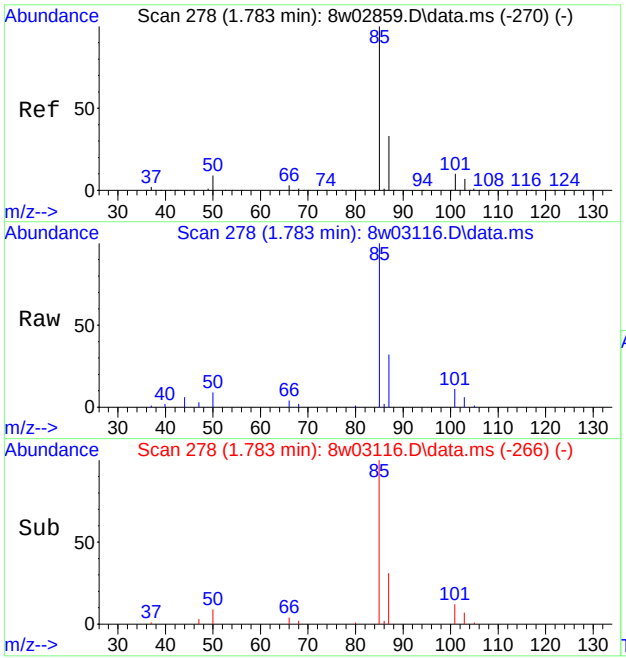


#5
CHLOROTRIFLUOROETHENE
Concen: 0.20 PPBV
RT: 1.765 min Scan# 275
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:116 Resp: 4027

Ion	Ratio	Lower	Upper
116	100		
118	32.8	26.1	39.1
85	175.6	137.4	206.2

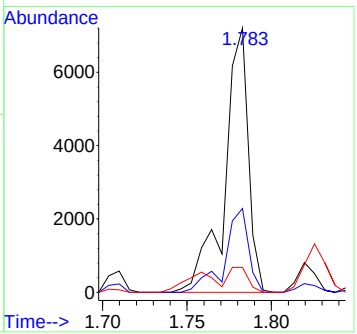


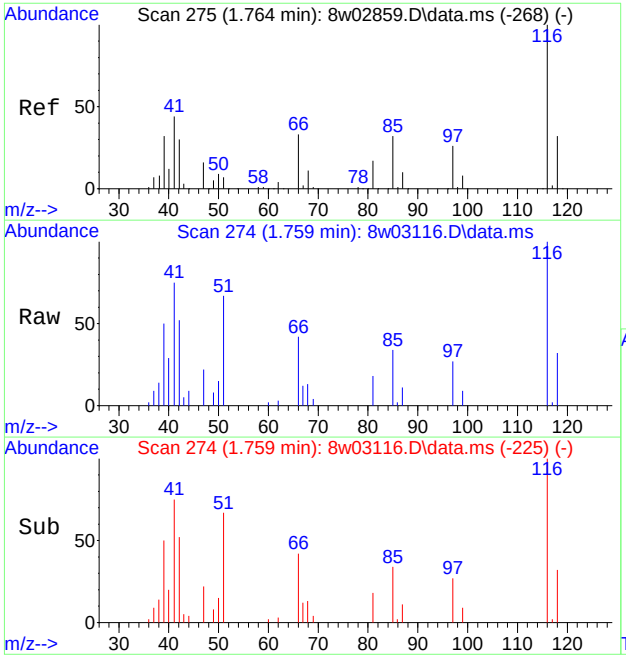


#6
DICHLORODIFLUOROMETHANE
Concen: 0.21 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 85 Resp: 7071

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.3	39.5
50	17.4	13.8	20.6

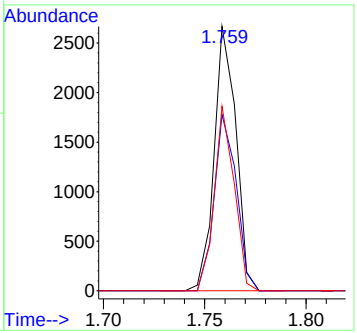


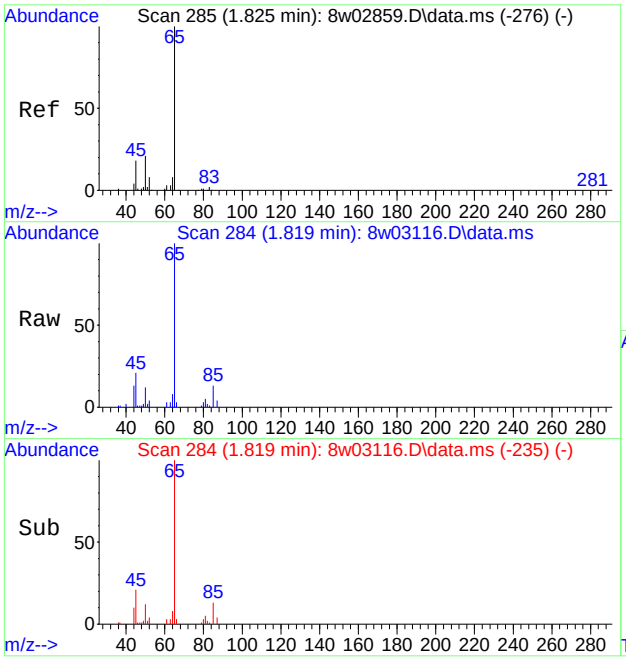


#7
PROPYLENE
Concen: 0.21 PPBV
RT: 1.759 min Scan# 274
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 41 Resp: 1994

Ion	Ratio	Lower	Upper
41	100		
39	67.9	55.8	83.6
42	63.9	53.8	80.6

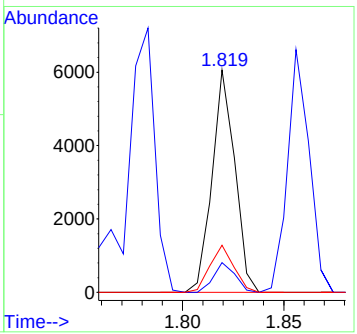


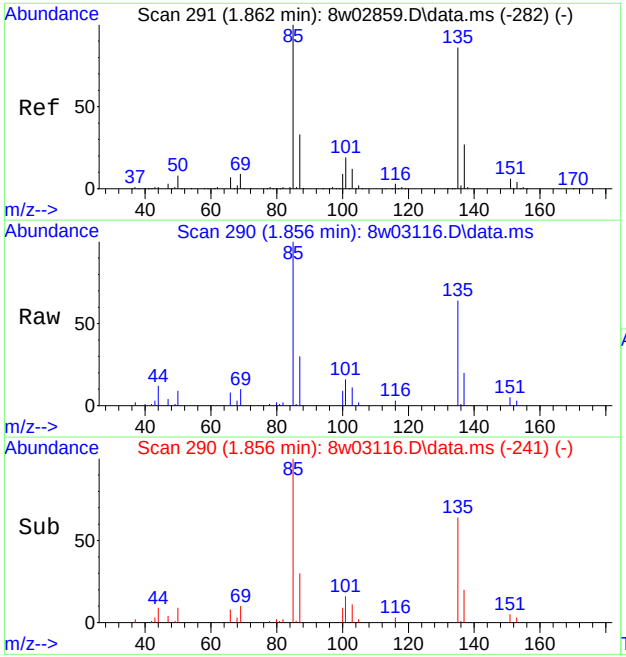


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.21 PPBV
RT: 1.819 min Scan# 284
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 65 Resp: 4741

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	22.3	15.9	23.9

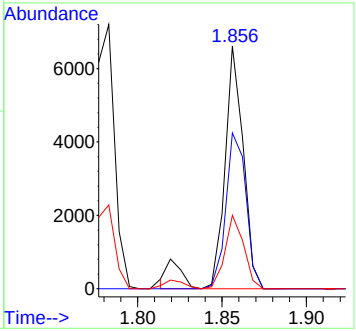


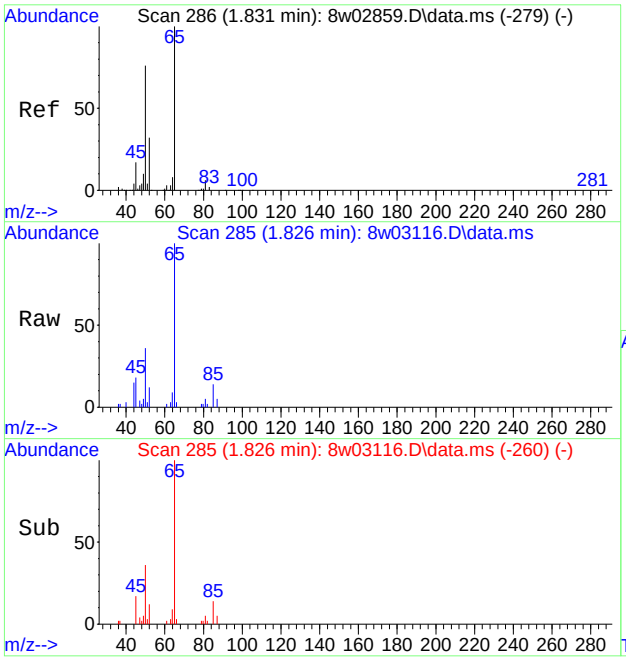


#9
FREON 114
Concen: 0.21 PPBV
RT: 1.856 min Scan# 290
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 85 Resp: 5455

Ion	Ratio	Lower	Upper
85	100		
135	64.8	54.9	82.3
87	31.8	25.8	38.8

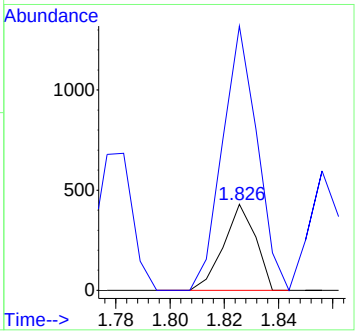


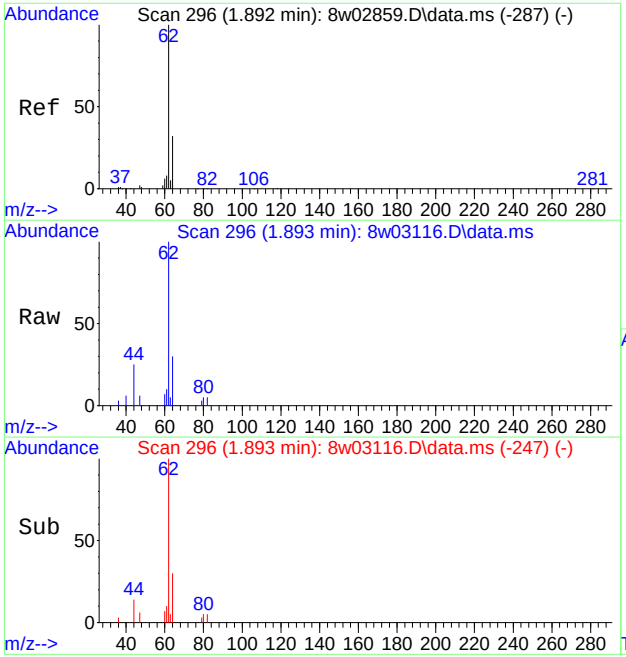


#10
CHLOROMETHANE
Concen: 0.20 PPBV m
RT: 1.826 min Scan# 285
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 52 Resp: 353

Ion	Ratio	Lower	Upper
52	100		
50	0.0	358.1	537.1#

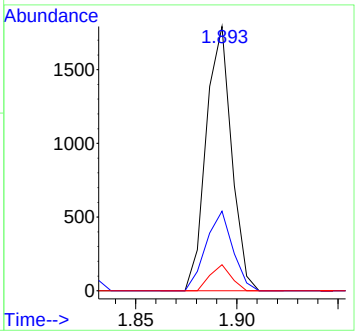


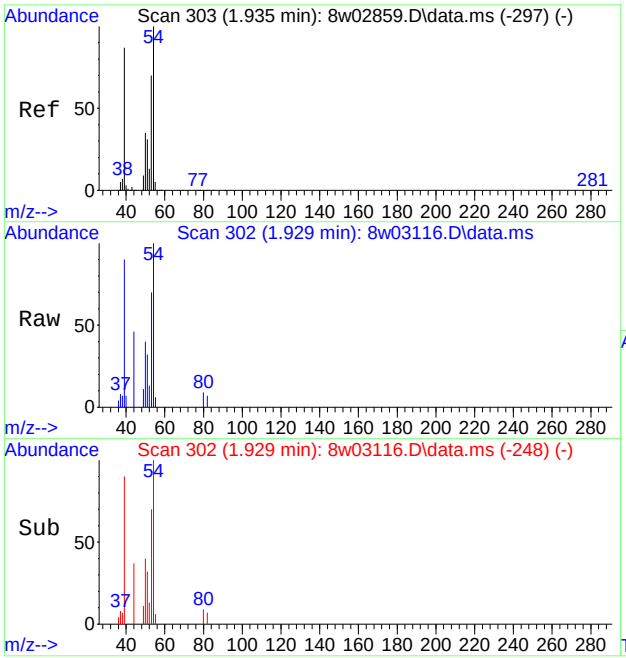


#11
VINYL CHLORIDE
Concen: 0.20 PPBV
RT: 1.893 min Scan# 296
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 62 Resp: 1562

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.9	37.3
61	0.0	7.0	10.4#

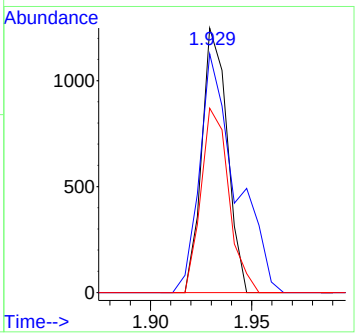


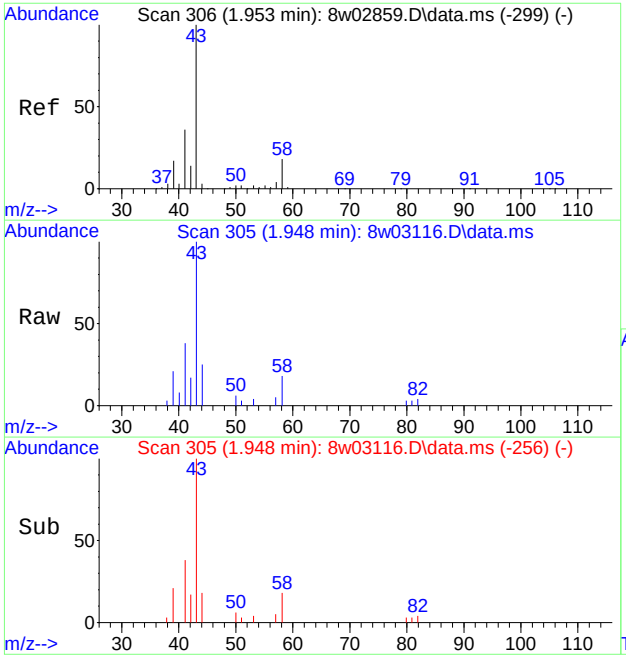


#12
1,3-BUTADIENE
Concen: 0.20 PPBV
RT: 1.929 min Scan# 302
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 54 Resp: 1085

Ion	Ratio	Lower	Upper
54	100		
39	129.2	101.6	141.6
53	76.8	51.8	91.8

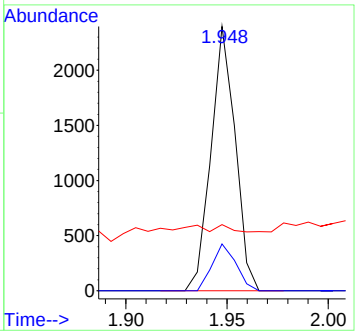


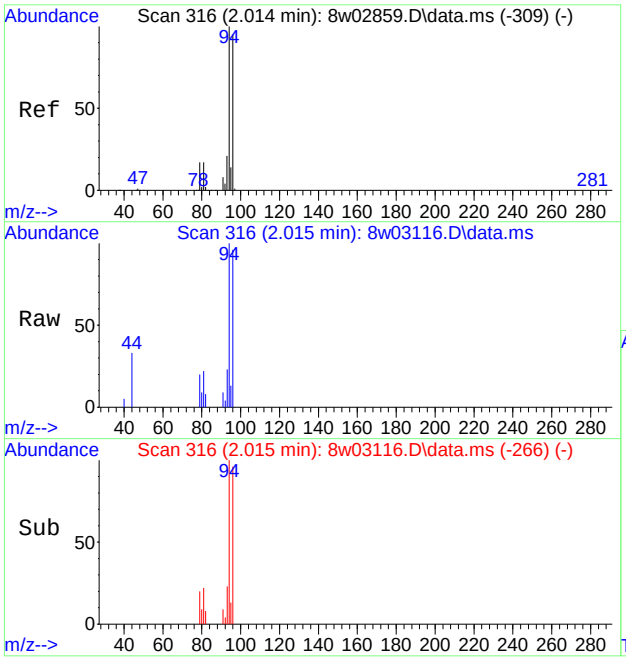


#13
N-BUTANE
Concen: 0.23 PPBV
RT: 1.948 min Scan# 305
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 43 Resp: 1997

Ion	Ratio	Lower	Upper
43	100		
58	0.0	14.2	21.4#
44	0.0	2.9	4.3#

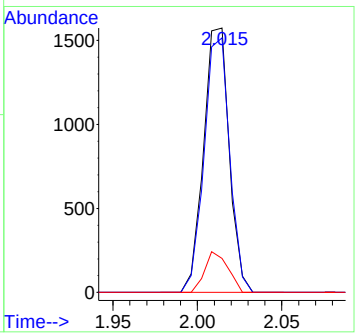


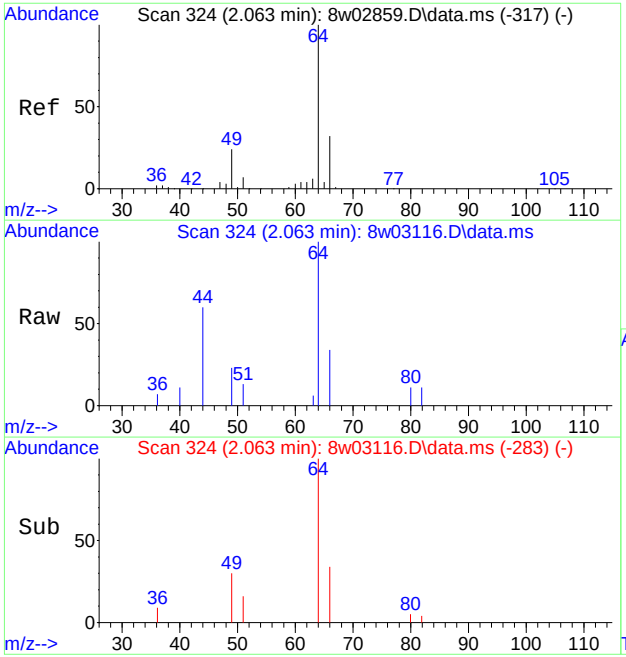


#14
BROMOMETHANE
Concen: 0.20 PPBV
RT: 2.015 min Scan# 316
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 94 Resp: 1666

Ion	Ratio	Lower	Upper
94	100		
96	95.9	76.0	114.0
95	0.0	11.5	17.3#

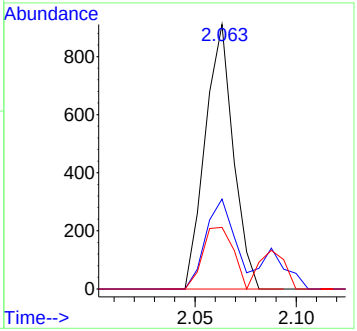


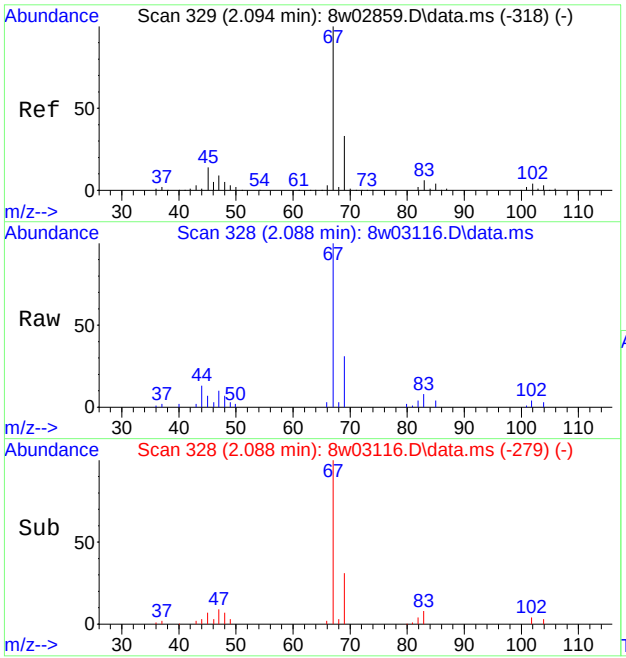


#15
CHLOROETHANE
Concen: 0.21 PPBV
RT: 2.063 min Scan# 324
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 64 Resp: 882

Ion	Ratio	Lower	Upper
64	100		
66	0.0	36.3	54.5#
49	0.0	33.8	50.8#

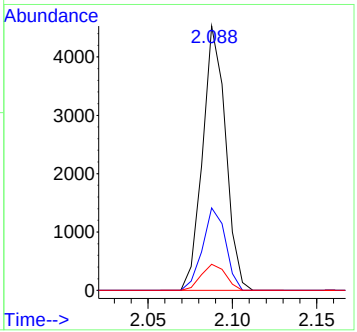


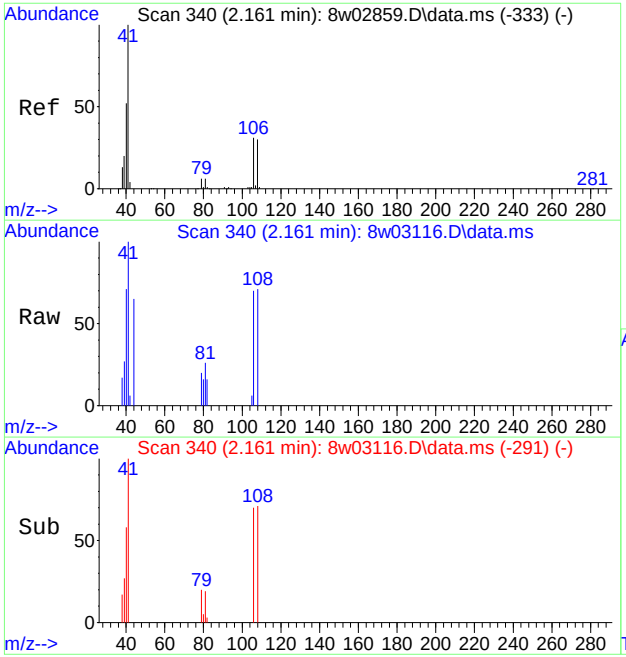


#16
DICHLOROFLUOROMETHANE
Concen: 0.21 PPBV
RT: 2.088 min Scan# 328
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 67 Resp: 4295

Ion	Ratio	Lower	Upper
67	100		
69	31.2	25.7	38.5
47	0.0	8.7	13.1#

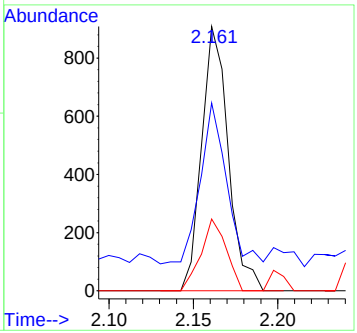


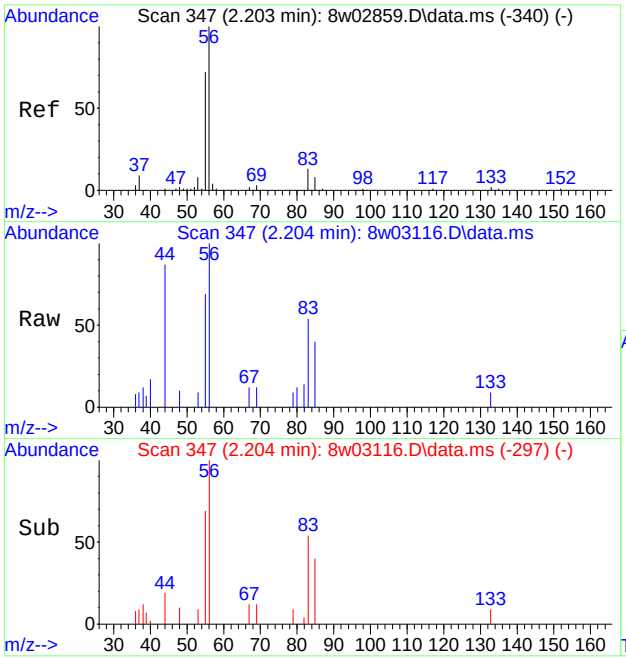


#17
ACETONITRILE
Concen: 0.20 PPBV
RT: 2.161 min Scan# 340
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 41 Resp: 998

Ion	Ratio	Lower	Upper
41	100		
40	59.3	43.3	64.9
39	0.0	17.8	26.6#

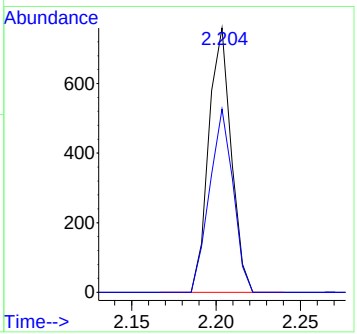


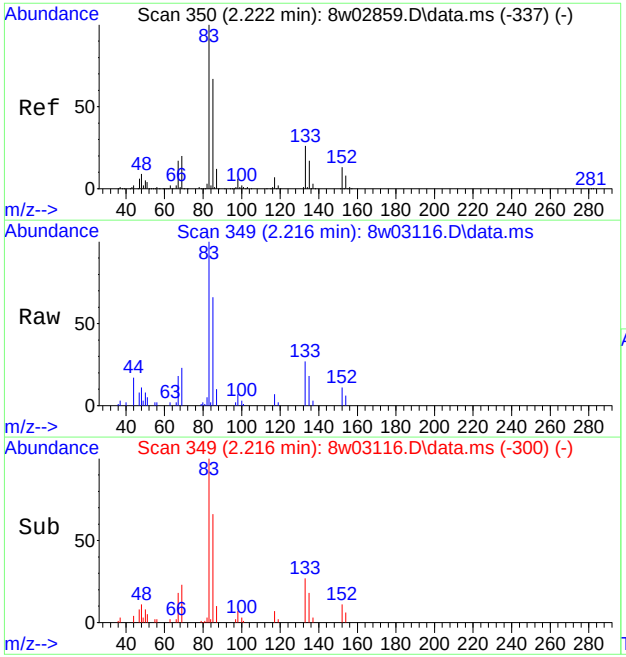


#18
ACROLEIN
Concen: 0.20 PPBV
RT: 2.204 min Scan# 347
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 56 Resp: 704

Ion	Ratio	Lower	Upper
56	100		
55	72.7	57.2	85.8

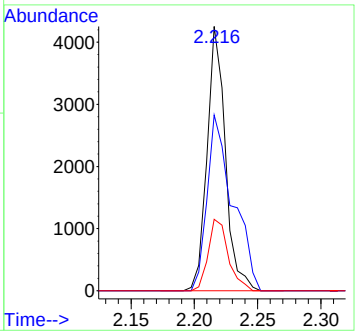


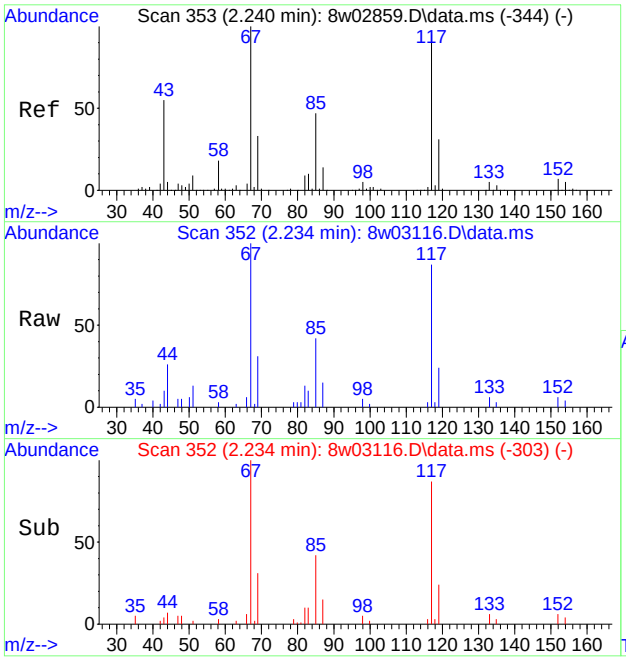


#19
FREON 123
Concen: 0.21 PPBV
RT: 2.216 min Scan# 349
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 83 Resp: 4258

Ion	Ratio	Lower	Upper
83	100		
85	93.9	73.7	110.5
133	29.8	22.6	34.0

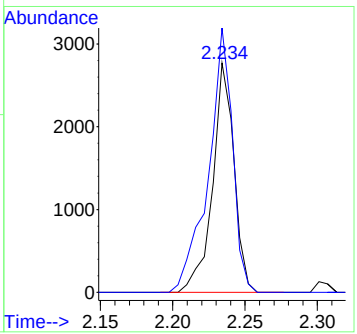


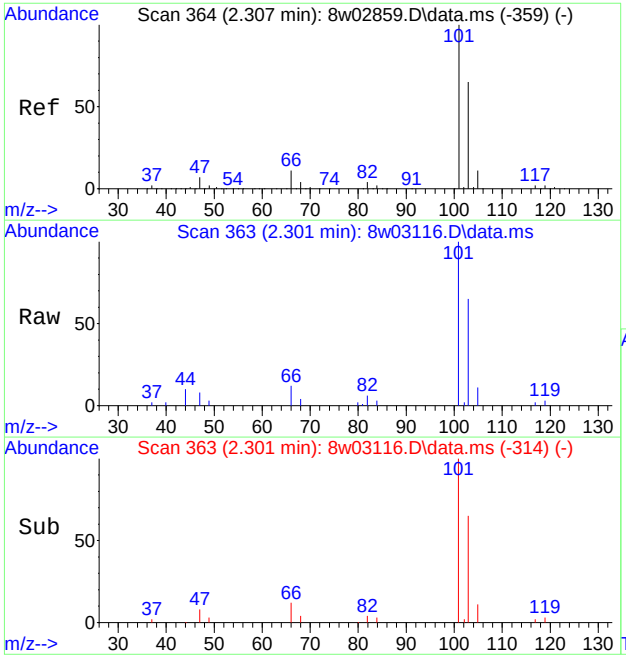


#20
FREON 123A
Concen: 0.21 PPBV
RT: 2.234 min Scan# 352
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:117 Resp: 2841

Ion	Ratio	Lower	Upper
117	100		
67	130.5	103.7	155.5

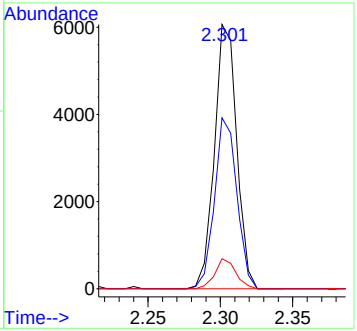


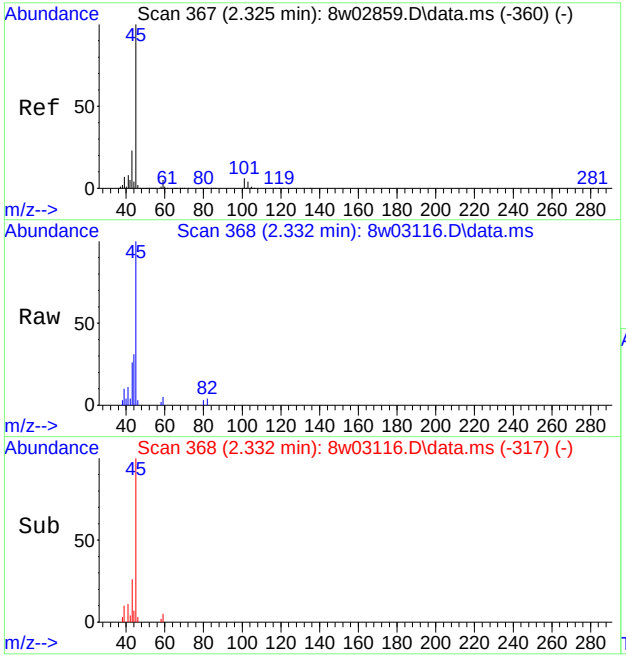


#21
TRICHLOROFLUOROMETHANE
Concen: 0.21 PPBV
RT: 2.301 min Scan# 363
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:101 Resp: 6515

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.0	78.0
105	10.7	8.3	12.5

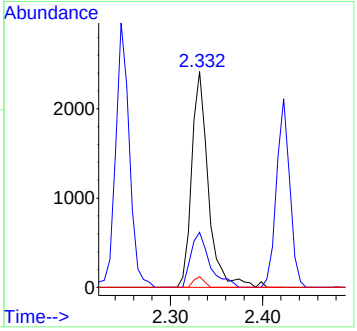


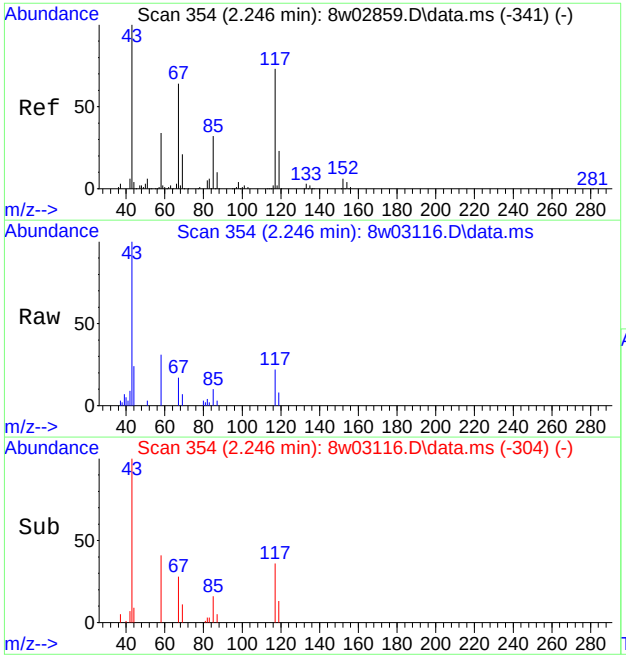


#22
ISOPROPYL ALCOHOL
Concen: 0.22 PPBV
RT: 2.332 min Scan# 368
Delta R.T. 0.012 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 45 Resp: 3038

Ion	Ratio	Lower	Upper
45	100		
43	29.0	18.8	28.2#
59	0.0	3.8	5.6#

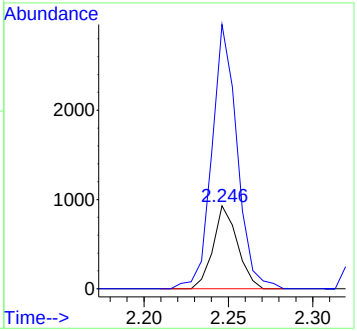


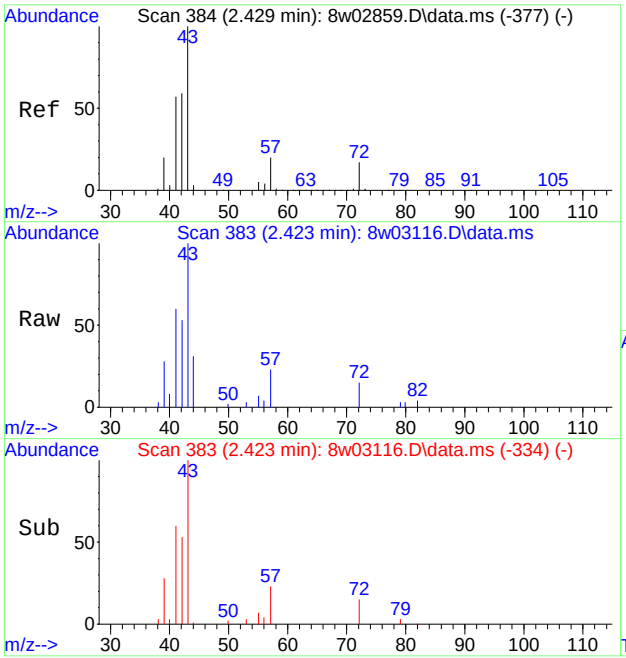


#23
ACETONE
Concen: 0.25 PPBV
RT: 2.246 min Scan# 354
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 58 Resp: 932

Ion	Ratio	Lower	Upper
58	100		
43	330.4	261.4	392.2

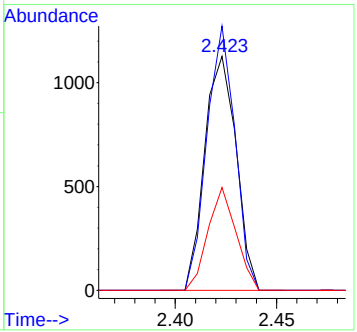


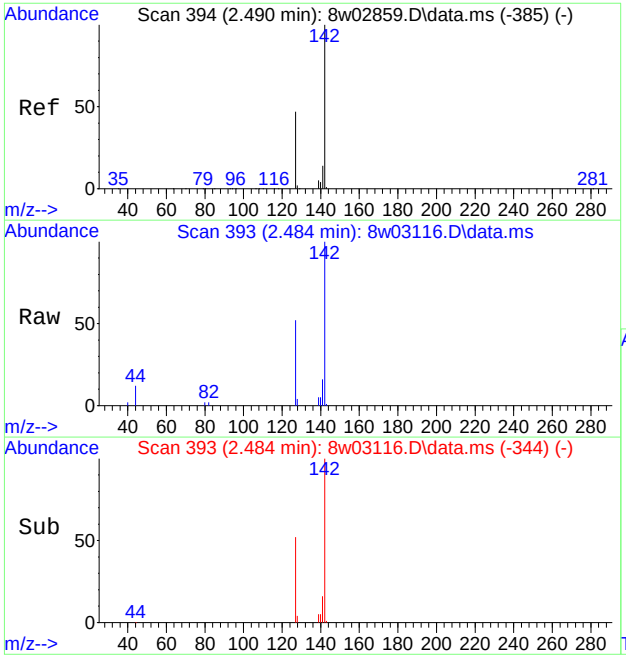


#24
PENTANE
Concen: 0.21 PPBV
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 42 Resp: 1221

Ion	Ratio	Lower	Upper
42	100		
41	100.8	84.2	126.4
57	0.0	28.9	43.3#

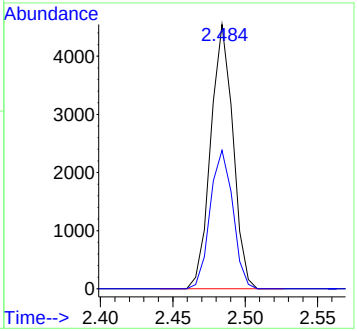


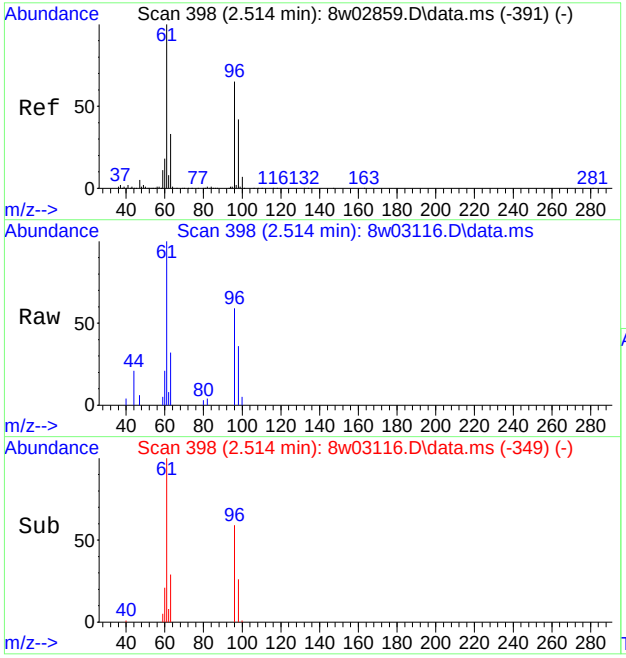


#25
IODOMETHANE
Concen: 0.20 PPBV
RT: 2.484 min Scan# 393
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:142 Resp: 4866

Ion	Ratio	Lower	Upper
142	100		
127	53.3	41.2	61.8

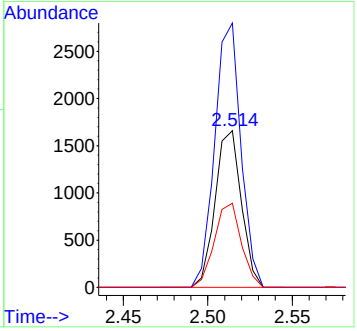


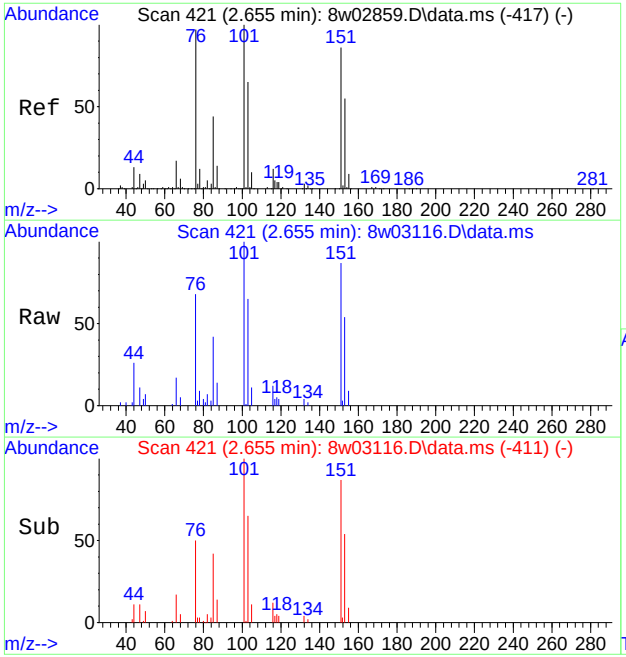


#26
1,1-DICHLOROETHYLENE
Concen: 0.22 PPBV
RT: 2.514 min Scan# 398
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 96 Resp: 1794

Ion	Ratio	Lower	Upper
96	100		
61	168.2	141.9	212.9
63	55.4	47.2	70.8

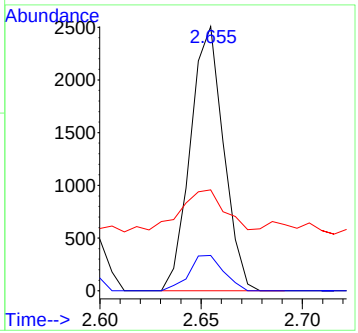


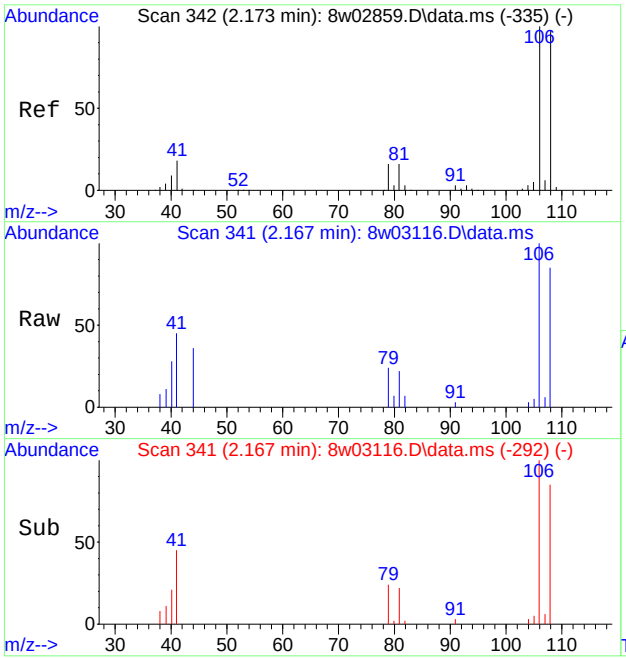


#27
CARBON DISULFIDE
Concen: 0.16 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 76 Resp: 2868

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	0.0
44	0.0	0.0	0.0

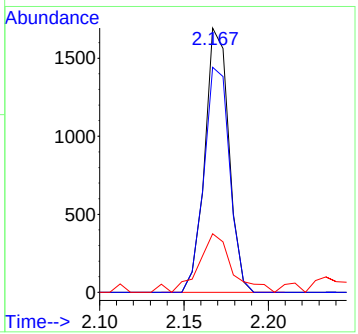




#29
BROMOETHENE
Concen: 0.20 PPBV
RT: 2.167 min Scan# 341
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

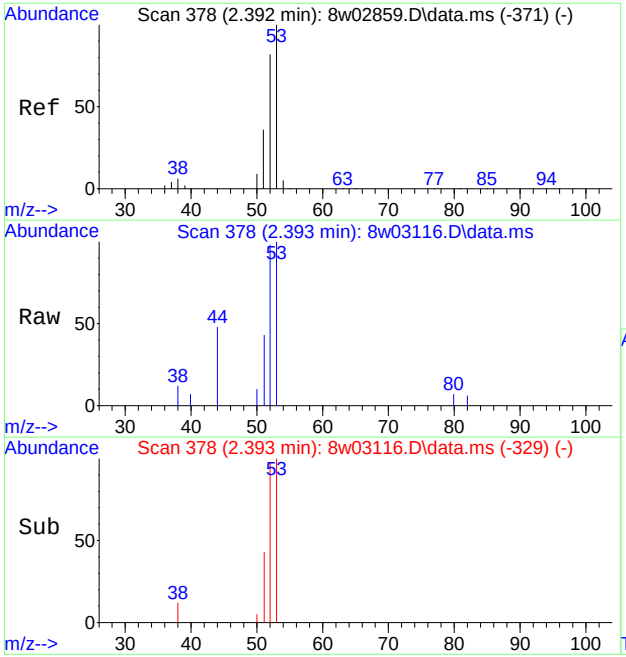
Tgt Ion:106 Resp: 1681

Ion	Ratio	Lower	Upper
106	100		
108	90.7	74.6	111.8
81	34.6	14.5	21.7#



7.7.15

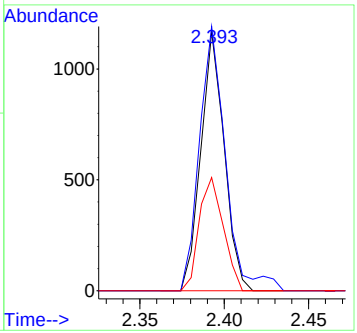
7

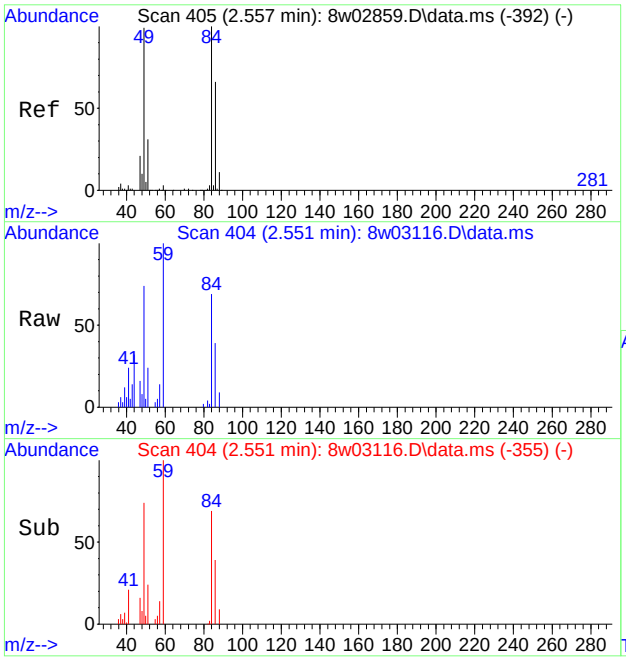


#30
ACRYLONITRILE
Concen: 0.23 PPBV
RT: 2.393 min Scan# 378
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 52 Resp: 1126

Ion	Ratio	Lower	Upper
52	100		
53	113.7	99.6	149.4
51	45.2	40.1	60.1

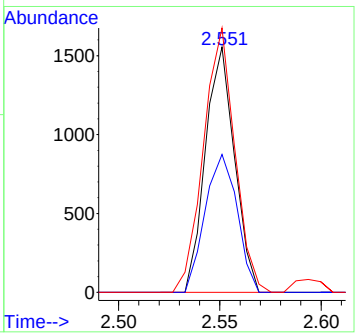


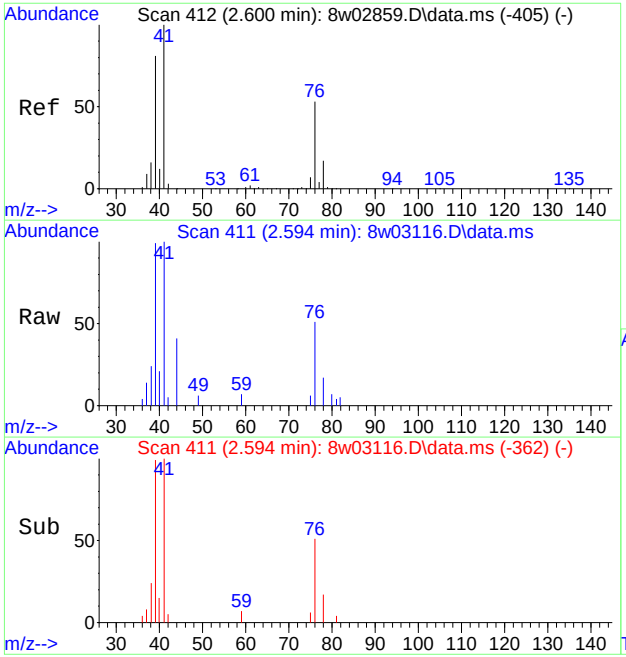


#31
METHYLENE CHLORIDE
Concen: 0.22 PPBV
RT: 2.551 min Scan# 404
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 84 Resp: 1557

Ion	Ratio	Lower	Upper
84	100		
86	61.8	51.0	76.4
49	116.2	92.1	138.1

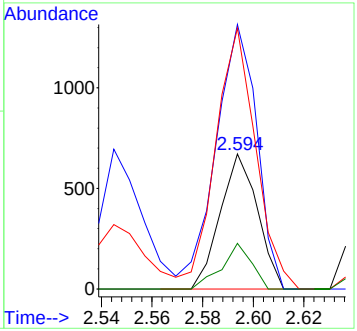


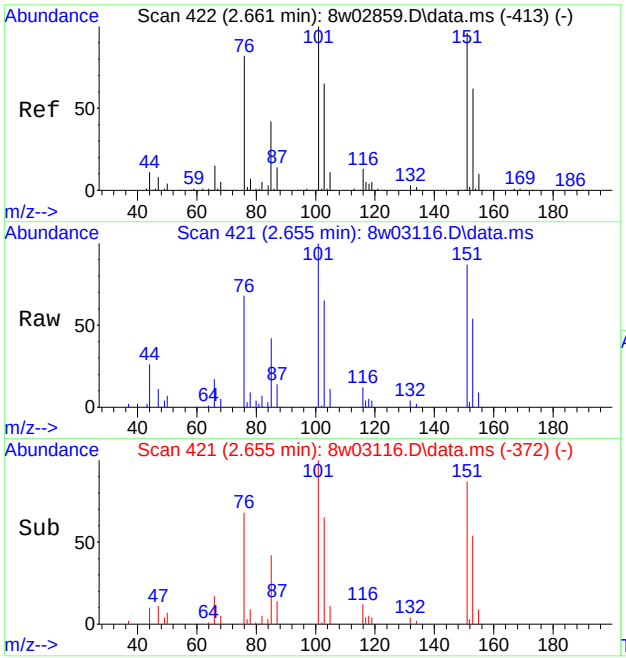


#32
3-CHLOROPROPENE
Concen: 0.19 PPBV
RT: 2.594 min Scan# 411
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 76 Resp: 688

Ion	Ratio	Lower	Upper
76	100		
41	206.7	170.6	256.0
39	278.5	151.0	226.4#
78	0.0	26.0	39.0#

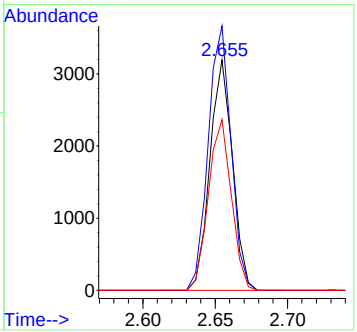


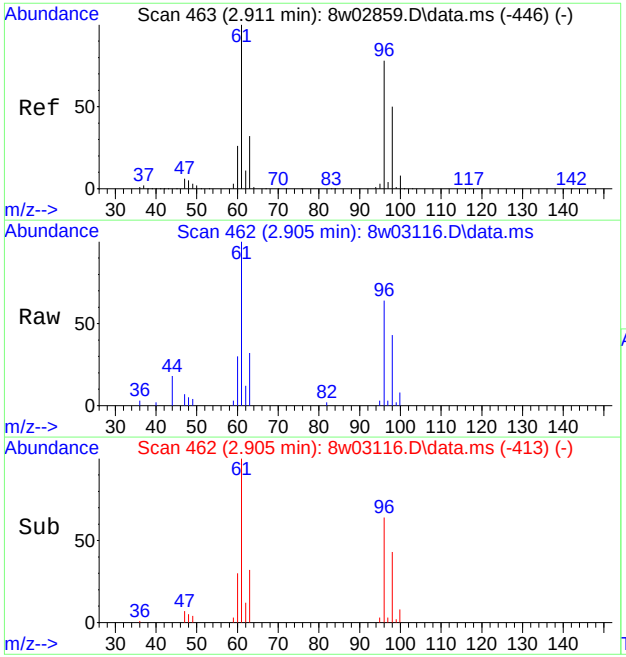


#33
FREON 113
Concen: 0.21 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:151 Resp: 3492

Ion	Ratio	Lower	Upper
151	100		
101	115.5	89.6	134.4
103	75.0	58.4	87.6

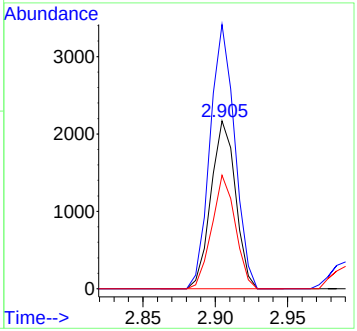


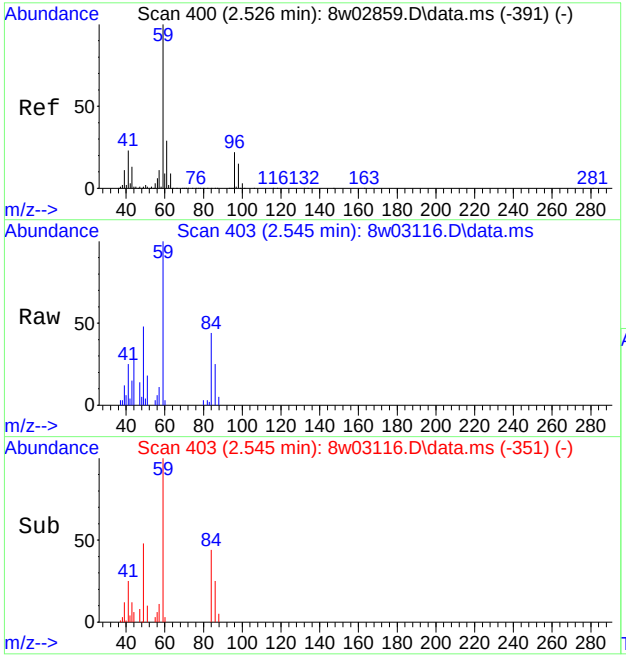


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.18 PPBV
RT: 2.905 min Scan# 462
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 96 Resp: 2574

Ion	Ratio	Lower	Upper
96	100		
61	157.4	120.8	181.2
98	64.9	51.0	76.4

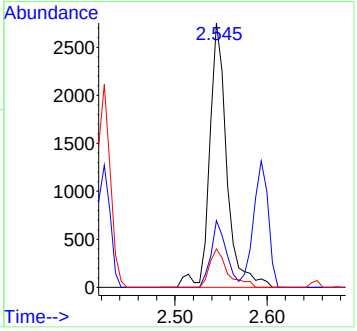


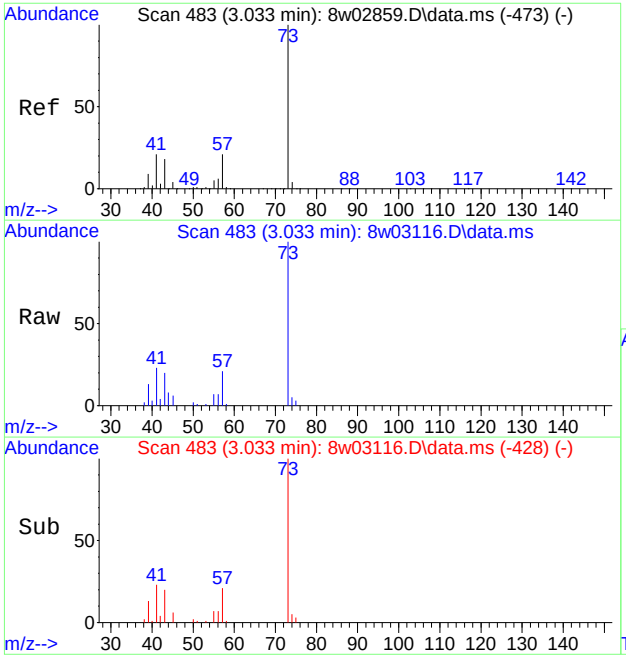


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.20 PPBV
RT: 2.545 min Scan# 403
Delta R.T. 0.018 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 59 Resp: 3581

Ion	Ratio	Lower	Upper
59	100		
41	22.7	16.1	24.1
43	15.2	10.2	15.4

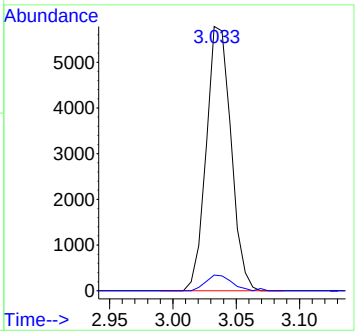


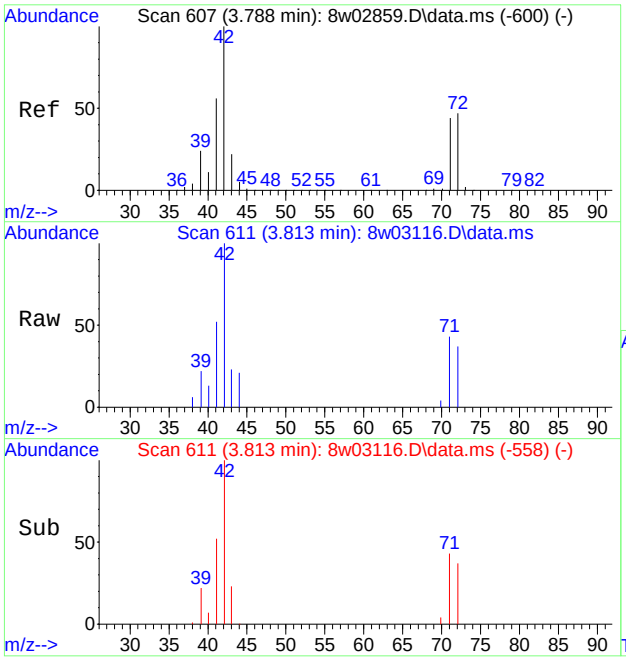


#36
METHYL TERTIARY BUTYL ETHER
Concen: 0.18 PPBV
RT: 3.033 min Scan# 483
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 73 Resp: 7829

Ion	Ratio	Lower	Upper
73	100		
45	6.4	4.7	7.1

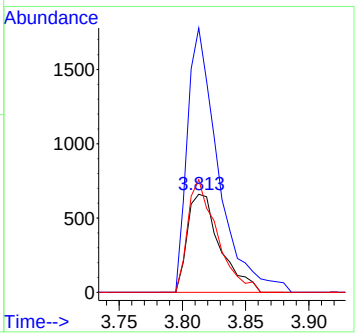


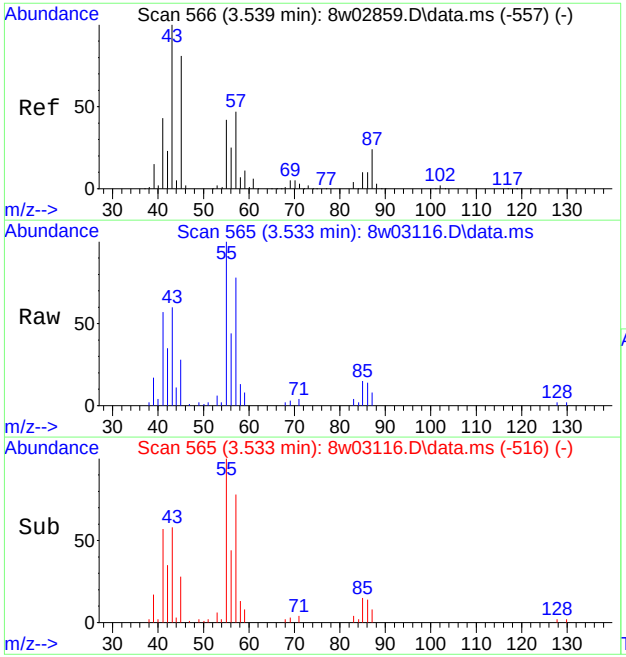


#37
TETRAHYDROFURAN
Concen: 0.16 PPBV
RT: 3.813 min Scan# 611
Delta R.T. 0.024 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 72 Resp: 1191

Ion	Ratio	Lower	Upper
72	100		
42	254.3	170.8	256.2
71	103.2	74.3	111.5

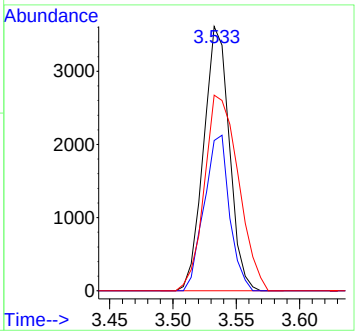


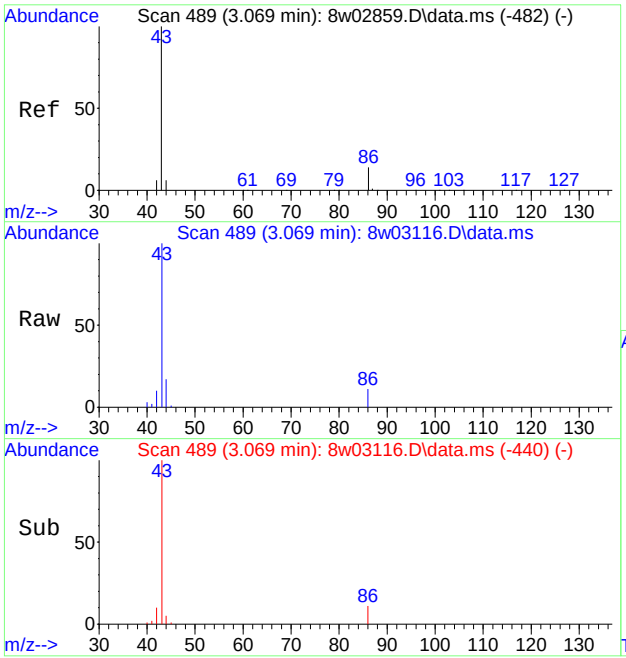


#38
HEXANE
Concen: 0.21 PPBV
RT: 3.533 min Scan# 565
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 57 Resp: 5083

Ion	Ratio	Lower	Upper
57	100		
56	58.0	43.8	65.8
41	98.1	72.2	108.4

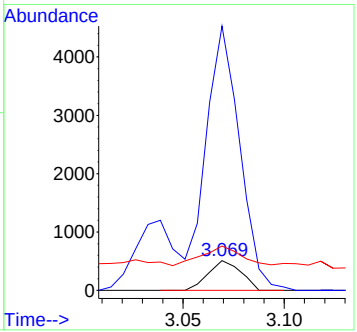


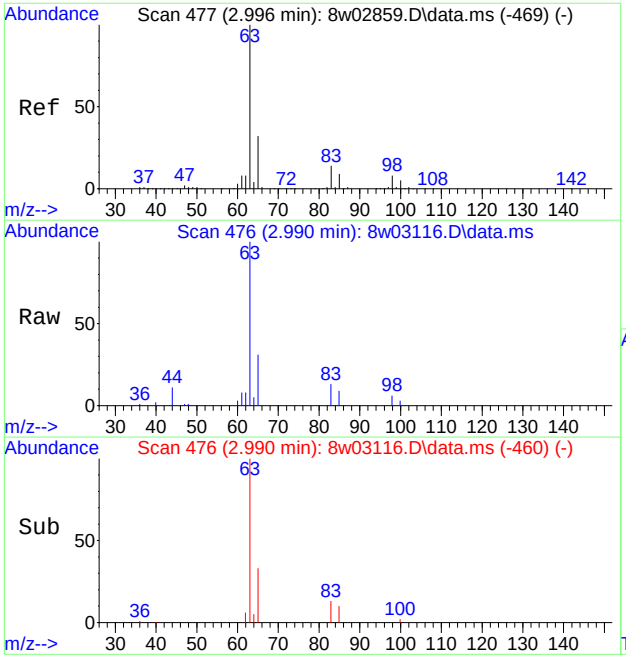


#39
VINYL ACETATE
Concen: 0.14 PPBV
RT: 3.069 min Scan# 489
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 86 Resp: 575

Ion	Ratio	Lower	Upper
86	100		
43	1202.8	860.3	1290.5
44	151.1	44.2	66.2#

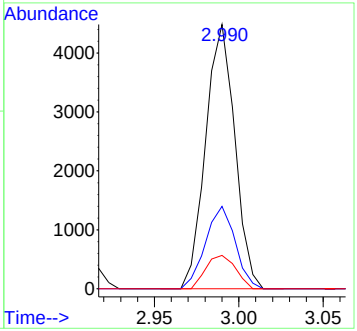


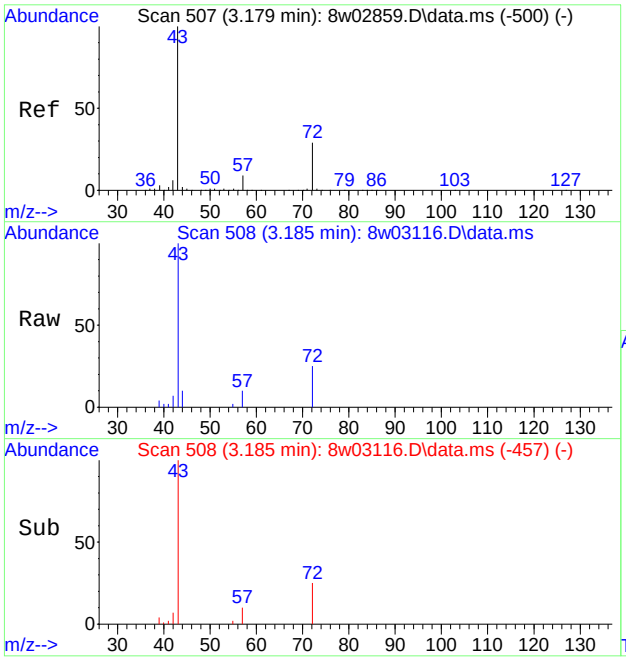


#40
1,1-DICHLOROETHANE
Concen: 0.20 PPBV
RT: 2.990 min Scan# 476
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 63 Resp: 5394

Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.0	37.4
83	12.9	10.5	15.7

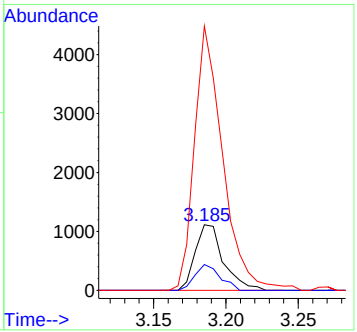


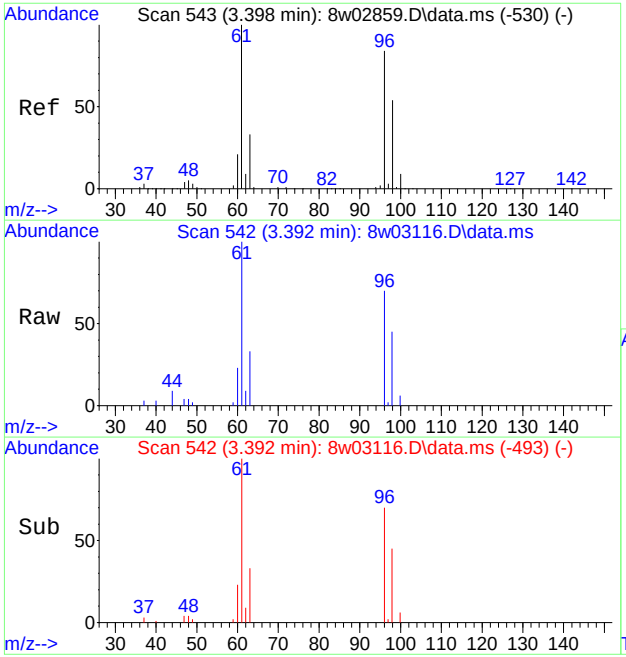


#41
METHYL ETHYL KETONE
Concen: 0.19 PPBV
RT: 3.185 min Scan# 508
Delta R.T. 0.012 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 72 Resp: 1513

Ion	Ratio	Lower	Upper
72	100		
57	35.2	27.8	41.8
43	407.1	292.3	438.5

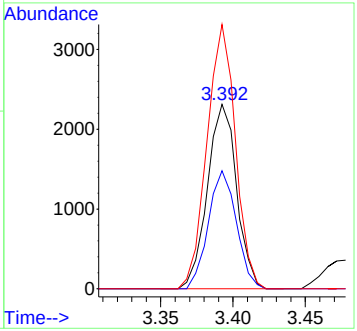


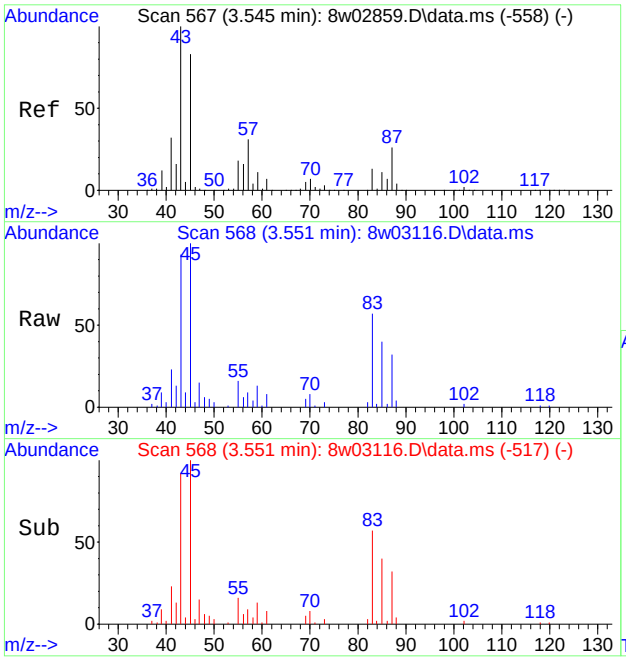


#42
CIS-1,2-DICHLOROETHENE
Concen: 0.19 PPBV
RT: 3.392 min Scan# 542
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 96 Resp: 3253

Ion	Ratio	Lower	Upper
96	100		
98	61.5	50.9	76.3
61	139.3	109.1	163.7

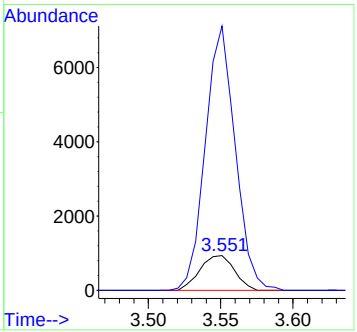


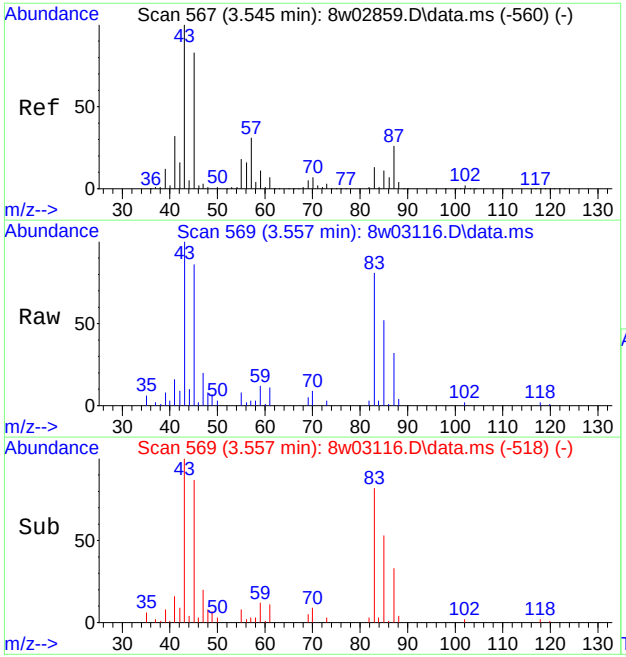


#43
DIISOPROPYL ETHER
Concen: 0.21 PPBV
RT: 3.551 min Scan# 568
Delta R.T. 0.012 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 59 Resp: 1562

Ion	Ratio	Lower	Upper
59	100		
45	656.1	517.9	776.9

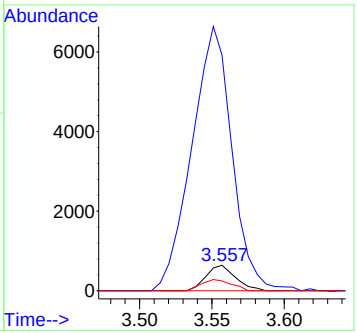


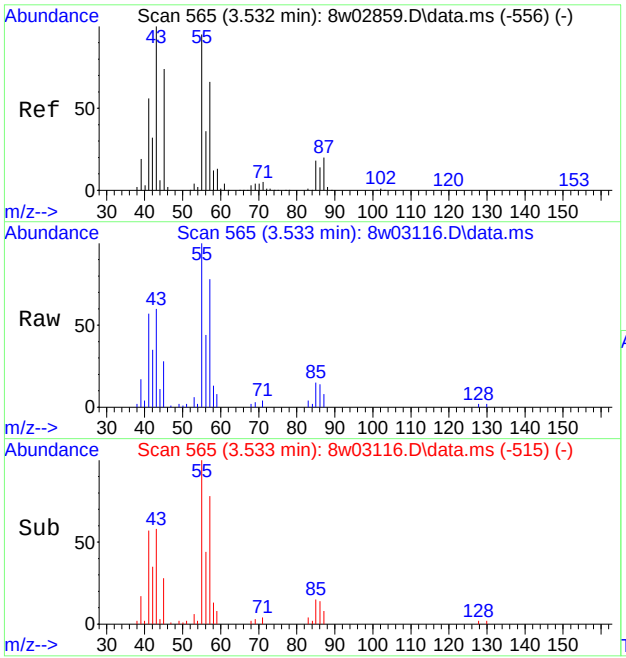


#44
ETHYL ACETATE
Concen: 0.20 PPBV
RT: 3.557 min Scan# 569
Delta R.T. 0.012 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 61 Resp: 915

Ion	Ratio	Lower	Upper
61	100		
43	1408.0	1039.8	1559.8
88	0.0	37.8	56.8#

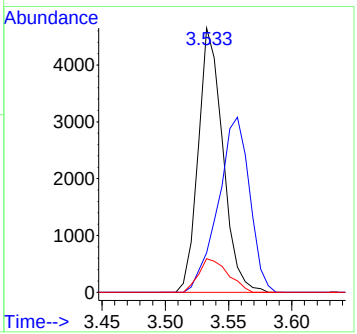


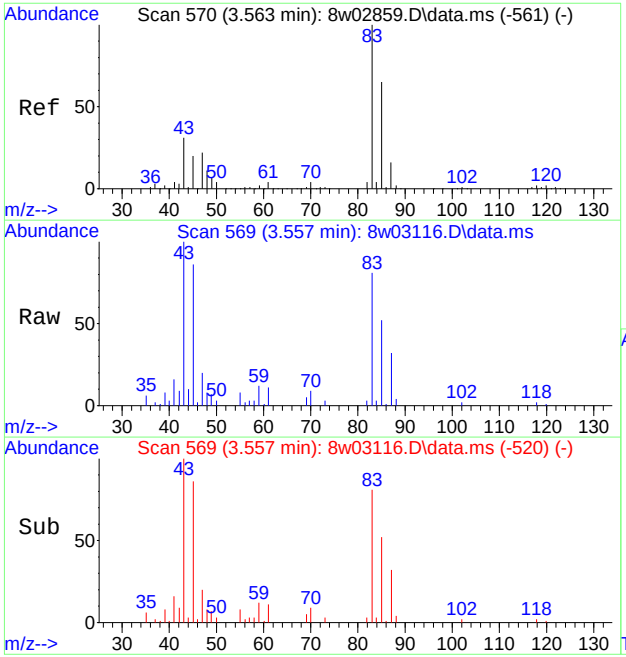


#45
METHYL ACRYLATE
Concen: 0.21 PPBV
RT: 3.533 min Scan# 565
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 55 Resp: 6254

Ion	Ratio	Lower	Upper
55	100		
85	0.0	0.0	0.0
58	15.2	11.5	17.3

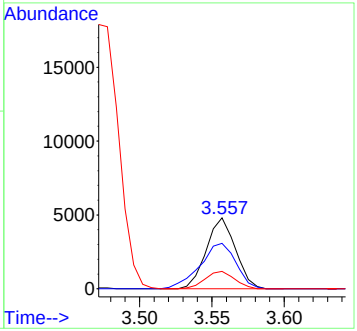


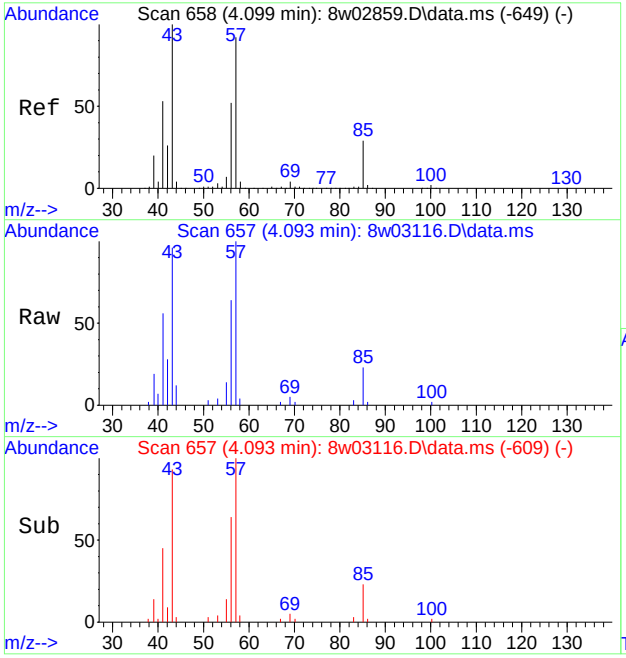


#46
CHLOROFORM
Concen: 0.21 PPBV
RT: 3.557 min Scan# 569
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 83 Resp: 6738

Ion	Ratio	Lower	Upper
83	100		
85	78.9	63.4	95.2
47	25.0	18.5	27.7

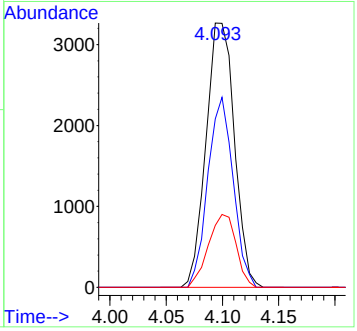


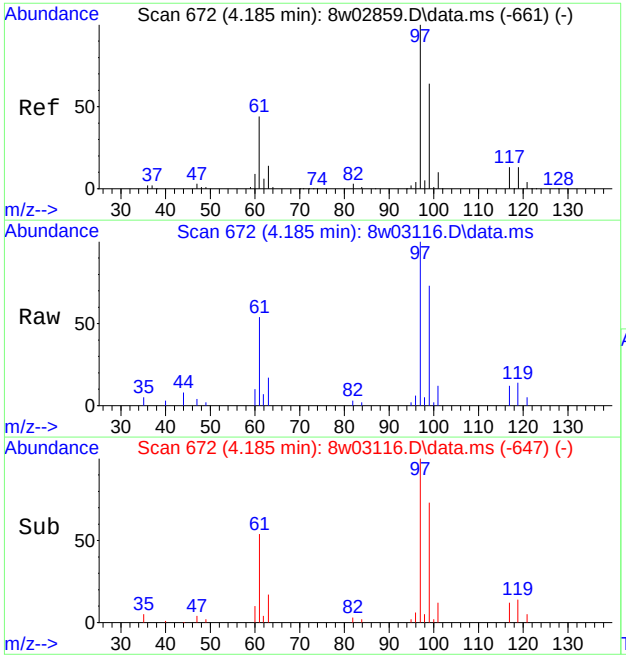


#47
2,4-DIMETHYLPENTANE
Concen: 0.18 PPBV
RT: 4.093 min Scan# 657
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 57 Resp: 5751

Ion	Ratio	Lower	Upper
57	100		
56	64.2	44.2	66.4
85	27.0	22.3	33.5

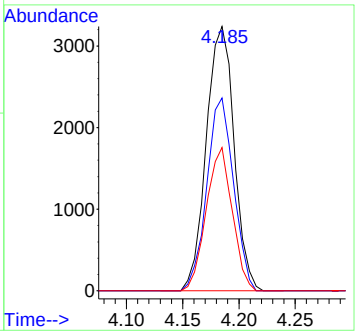


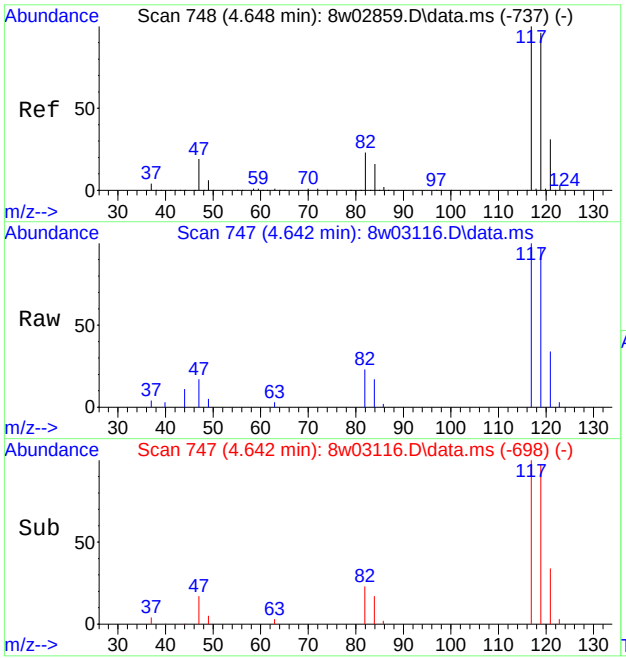


#48
1,1,1-TRICHLOROETHANE
Concen: 0.17 PPBV
RT: 4.185 min Scan# 672
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 97 Resp: 5575

Ion	Ratio	Lower	Upper
97	100		
99	70.2	51.3	76.9
61	50.7	35.8	53.6

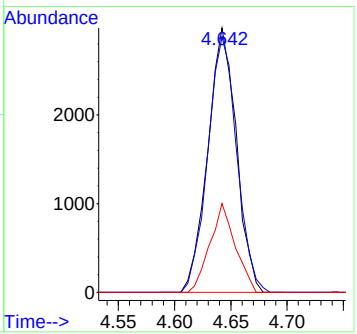


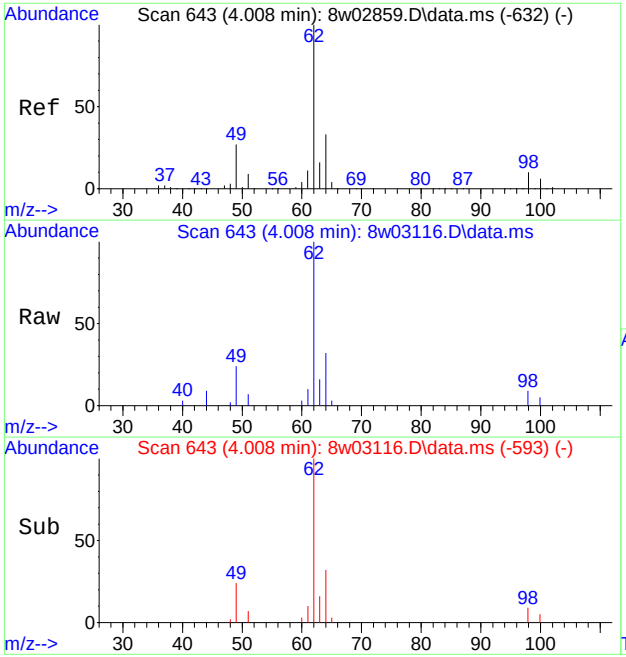


#49
CARBON TETRACHLORIDE
Concen: 0.15 PPBV
RT: 4.642 min Scan# 747
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:117 Resp: 5262

Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.2	114.2
121	29.8	24.4	36.6

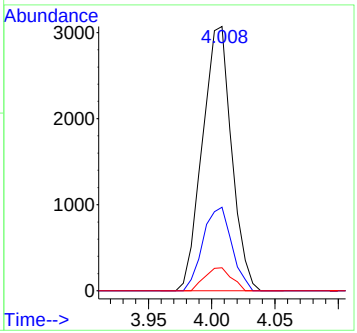


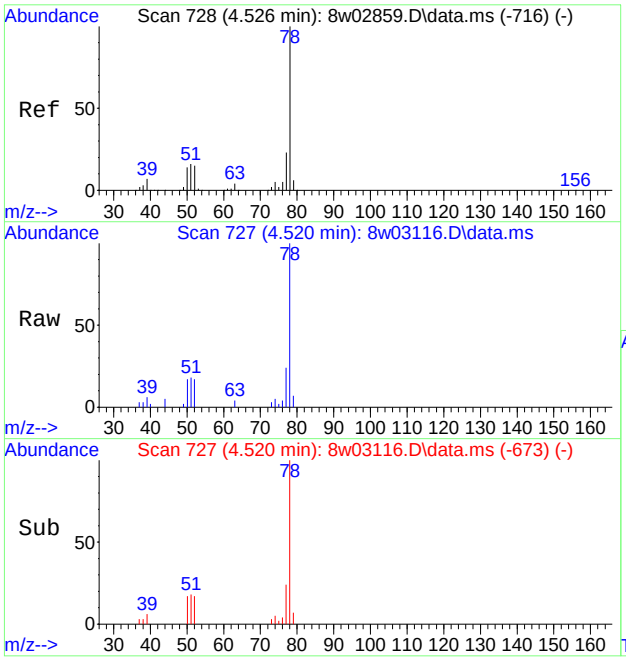


#50
1,2-DICHLOROETHANE
Concen: 0.21 PPBV
RT: 4.008 min Scan# 643
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 62 Resp: 4921

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.6	38.4
98	0.0	7.1	10.7#

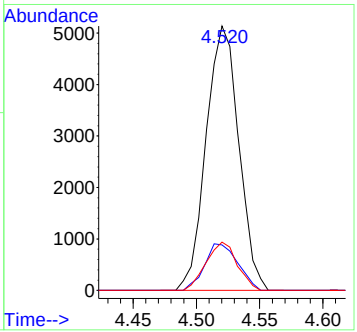


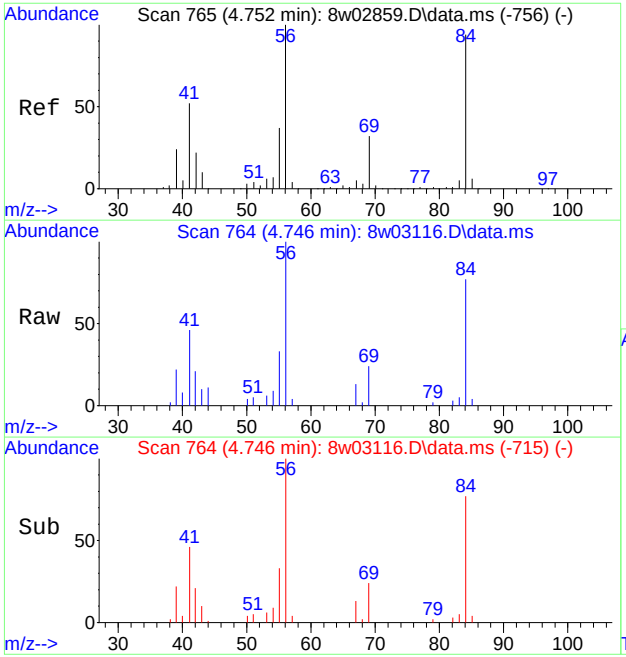


#51
BENZENE
Concen: 0.20 PPBV
RT: 4.520 min Scan# 727
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 78 Resp: 9201

Ion	Ratio	Lower	Upper
78	100		
52	18.0	0.0	37.6
51	17.4	0.0	38.0

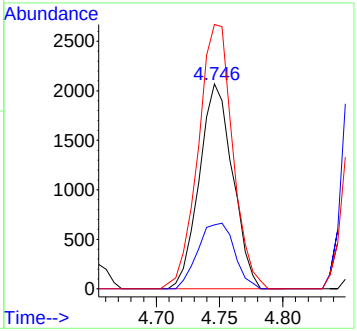


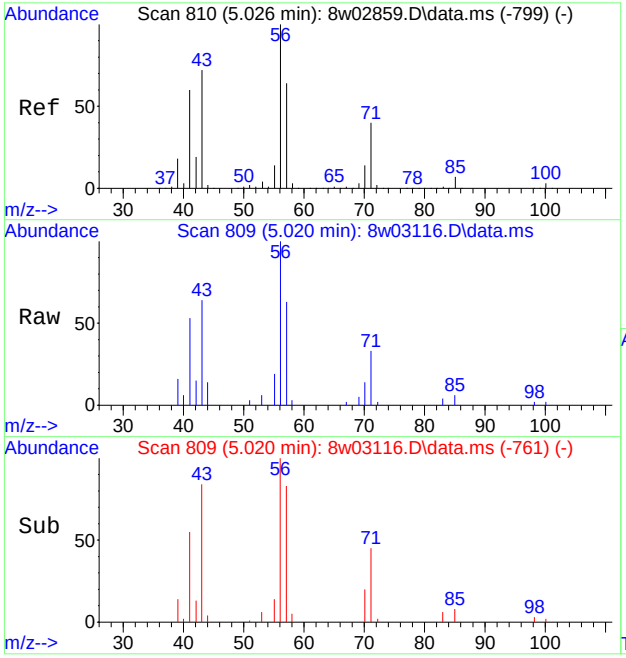


#53
CYCLOHEXANE
Concen: 0.18 PPBV
RT: 4.746 min Scan# 764
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 84 Resp: 3787

Ion	Ratio	Lower	Upper
84	100		
69	35.1	27.7	41.5
56	133.5	99.1	148.7

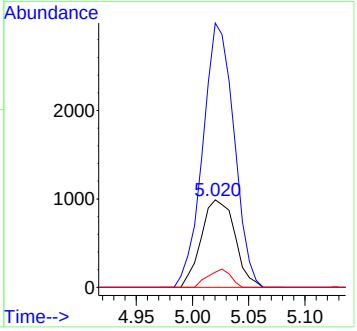


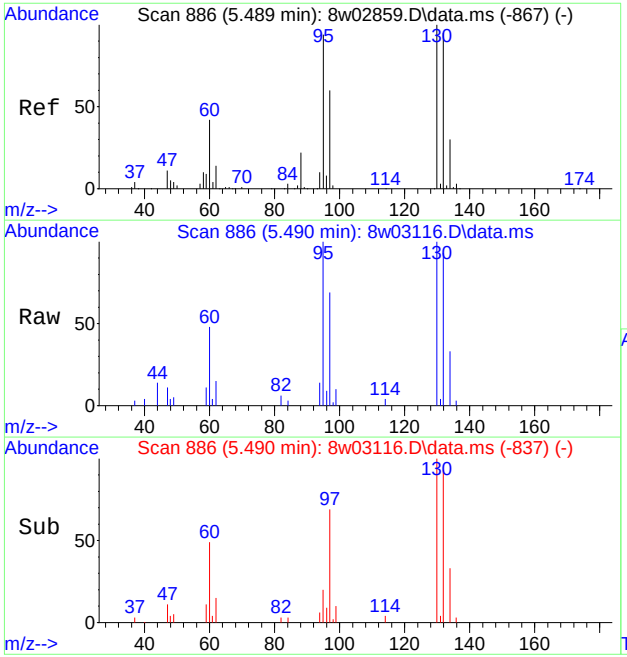


#54
2,3-DIMETHYLPENTANE
Concen: 0.19 PPBV
RT: 5.020 min Scan# 809
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 71 Resp: 2060

Ion	Ratio	Lower	Upper
71	100		
56	280.4	224.9	337.3
85	0.0	14.3	21.5#

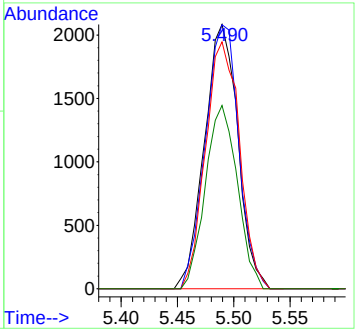


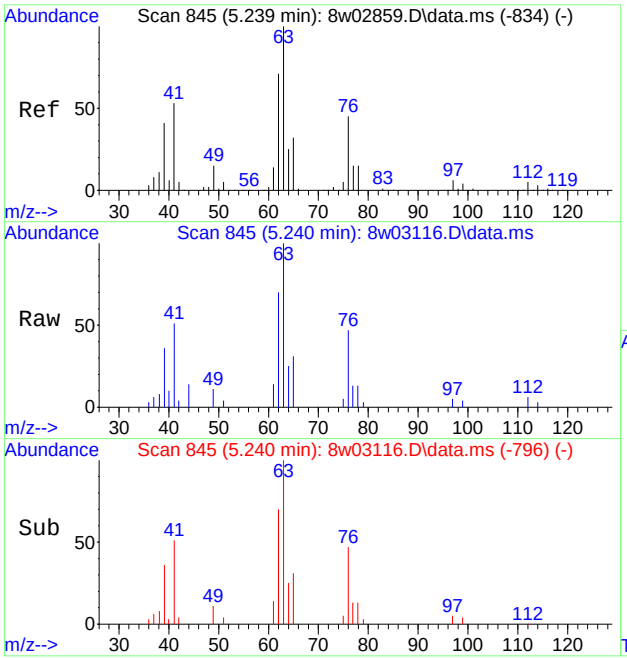


#55
TRICHLOROETHENE
Concen: 0.20 PPBV
RT: 5.490 min Scan# 886
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 95 Resp: 4308

Ion	Ratio	Lower	Upper
95	100		
130	99.4	80.6	120.8
132	94.8	77.0	115.4
97	66.3	51.6	77.4

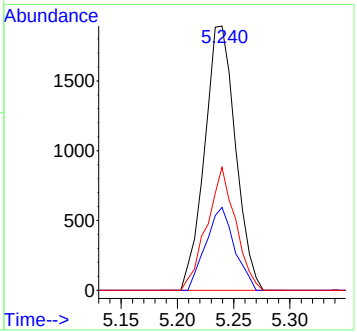


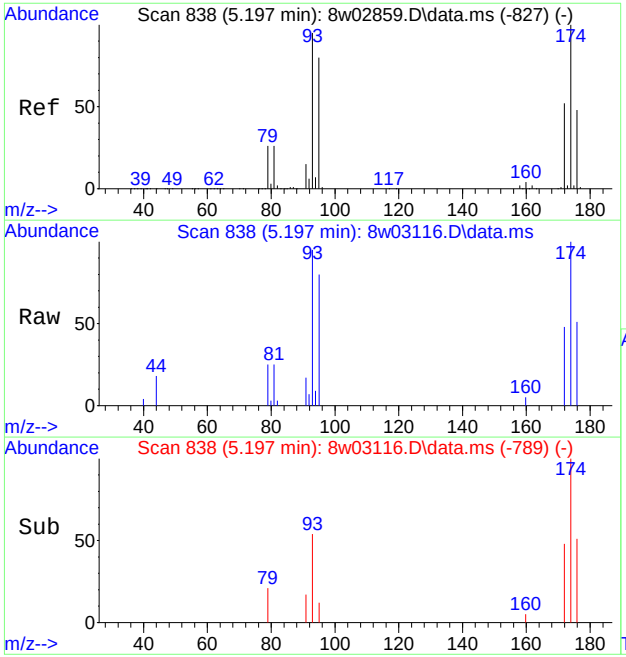


#56
1,2-DICHLOROPROPANE
Concen: 0.21 PPBV
RT: 5.240 min Scan# 845
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 63 Resp: 3629

Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.1	36.1
76	43.2	36.4	54.6

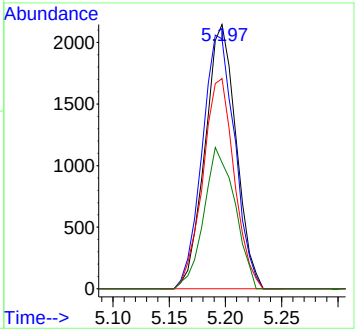


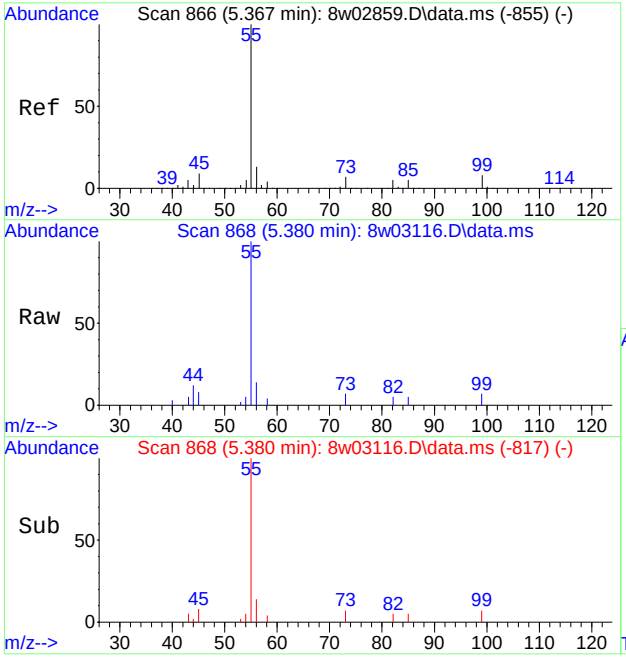


#57
DIBROMOMETHANE
Concen: 0.21 PPBV
RT: 5.197 min Scan# 838
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:174 Resp: 4128

Ion	Ratio	Lower	Upper
174	100		
93	100.8	77.0	115.6
95	80.3	64.2	96.4
172	53.5	41.8	62.6

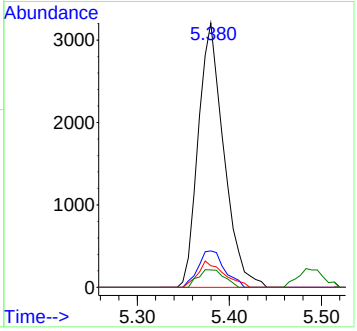


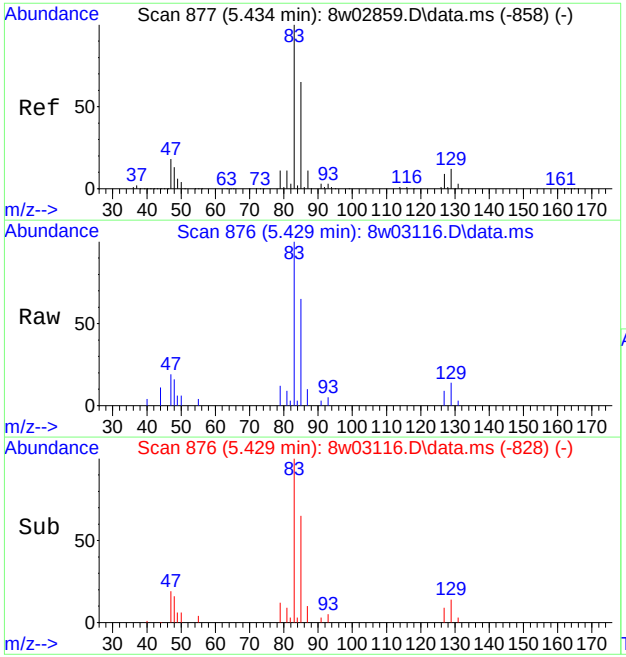


#58
ETHYL ACRYLATE
Concen: 0.17 PPBV
RT: 5.380 min Scan# 868
Delta R.T. 0.012 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 55 Resp: 6195

Ion	Ratio	Lower	Upper
55	100		
56	14.3	10.9	16.3
45	10.1	6.7	10.1#
99	0.0	5.8	8.8#

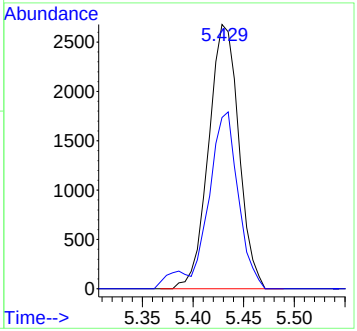


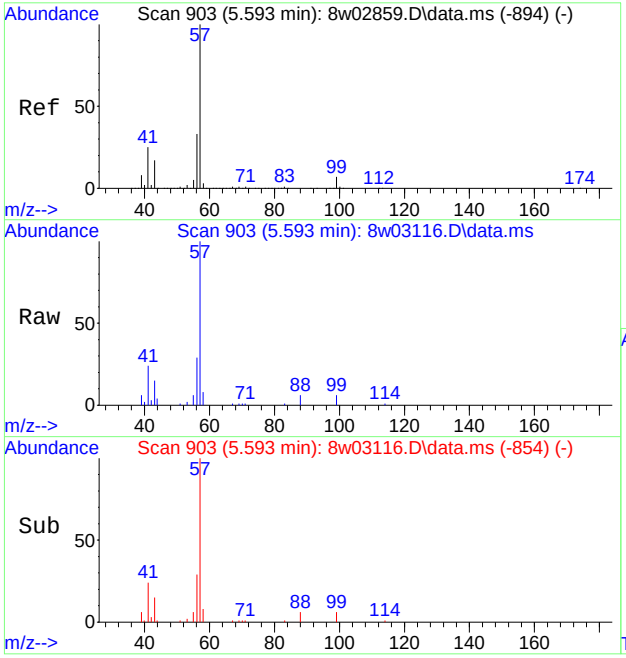


#59
BROMODICHLOROMETHANE
Concen: 0.16 PPBV
RT: 5.429 min Scan# 876
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 83 Resp: 5576

Ion	Ratio	Lower	Upper
83	100		
85	68.1	51.0	76.6

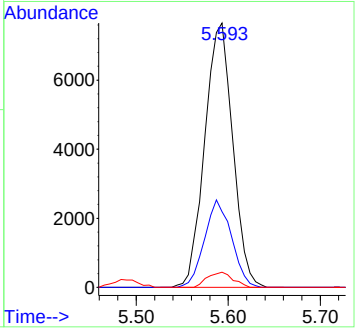


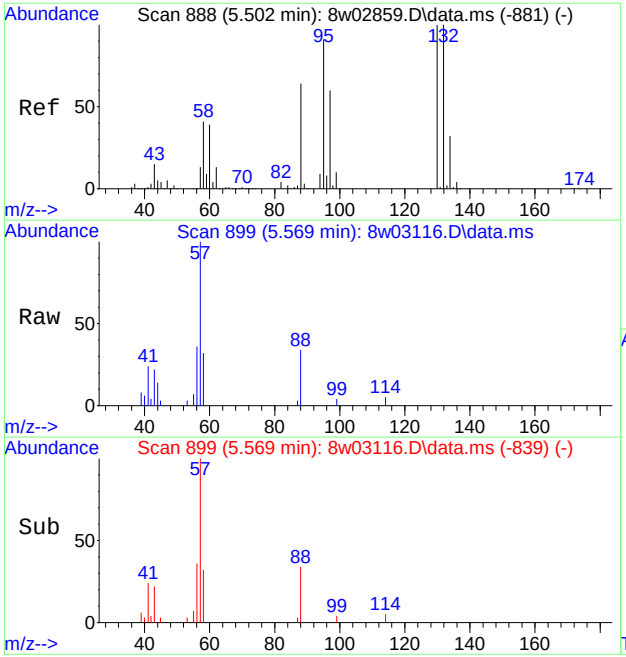


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.20 PPBV
RT: 5.593 min Scan# 903
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 57 Resp: 16189

Ion	Ratio	Lower	Upper
57	100		
56	32.0	25.8	38.8
99	5.3	4.7	7.1

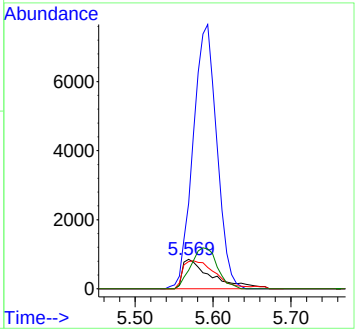


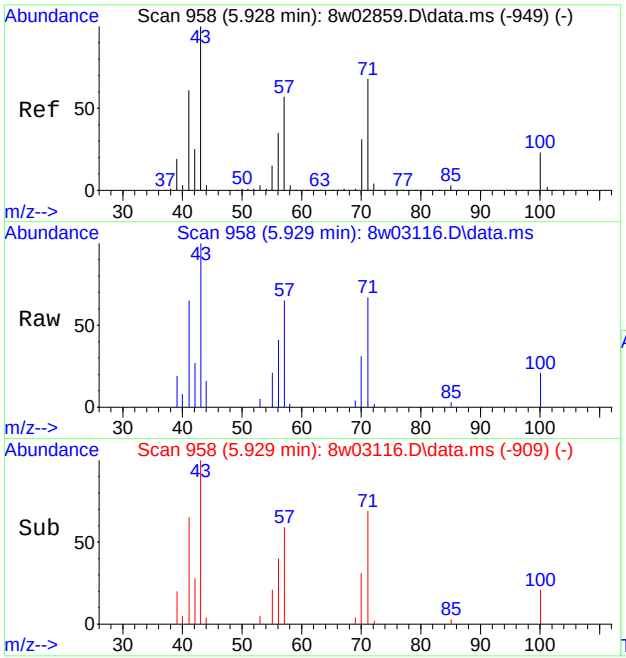


#61
1,4-DIOXANE
Concen: 0.20 PPBV
RT: 5.569 min Scan# 899
Delta R.T. 0.067 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 88 Resp: 2211

Ion	Ratio	Lower	Upper
88	100		
57	0.0	18.4	27.6#
58	109.8	57.3	85.9#
43	0.0	19.6	29.4#

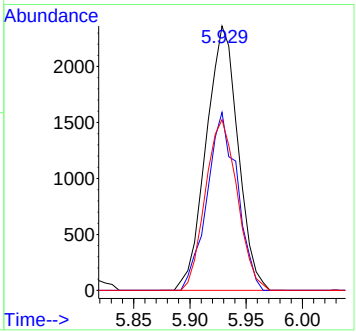


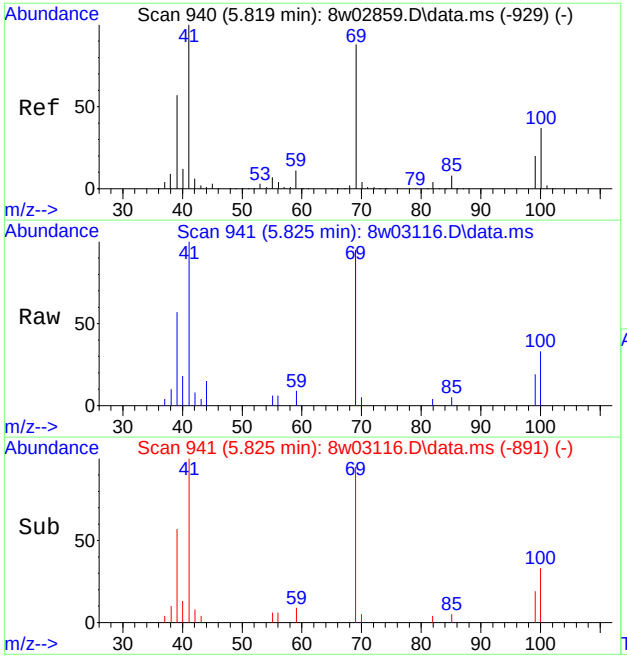


#62
HEPTANE
Concen: 0.19 PPBV
RT: 5.929 min Scan# 958
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 43 Resp: 4675

Ion	Ratio	Lower	Upper
43	100		
71	63.8	52.2	78.2
57	64.4	50.4	75.6

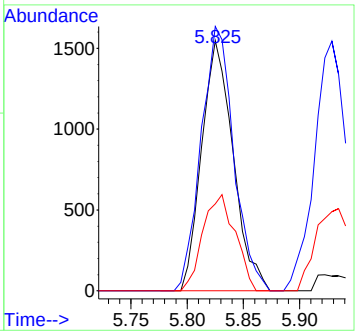


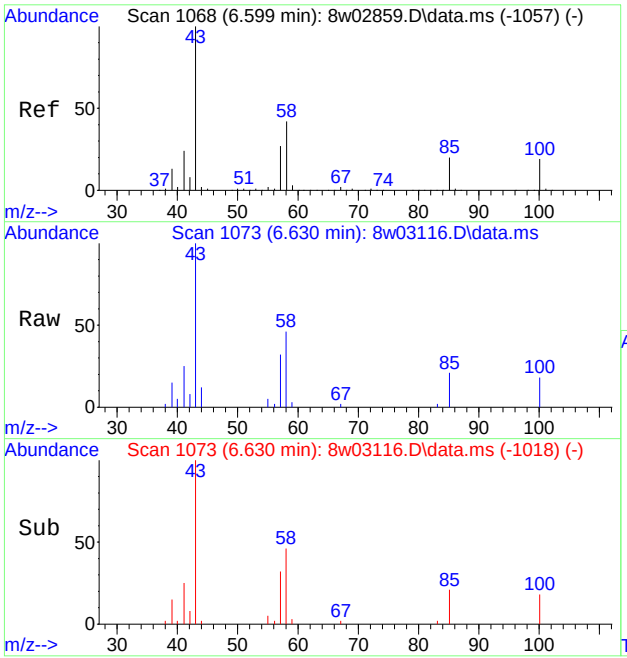


#63
METHYL METHACRYLATE
Concen: 0.18 PPBV
RT: 5.825 min Scan# 941
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 69 Resp: 3012

Ion	Ratio	Lower	Upper
69	100		
41	109.5	91.9	137.9
100	39.5	34.2	51.4

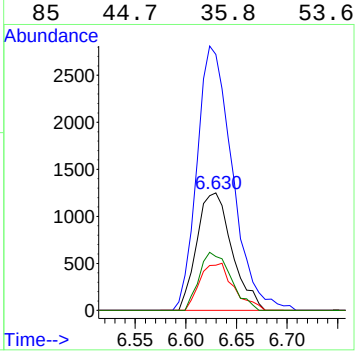


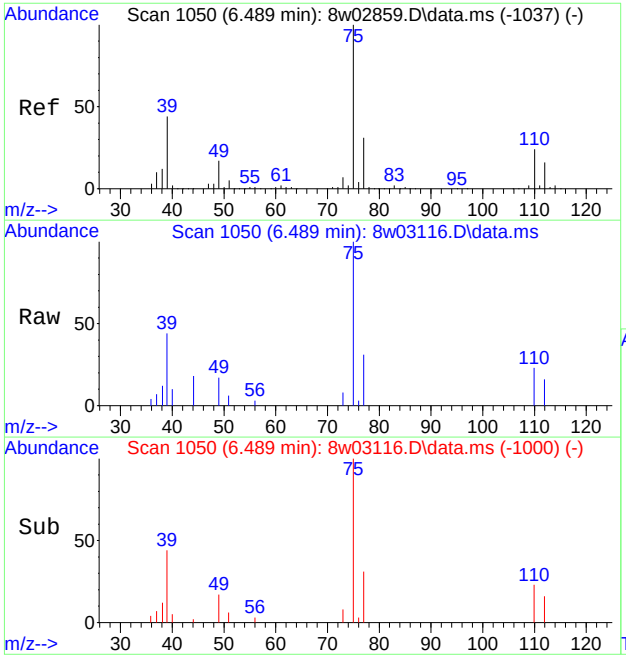


#64
METHYL ISOBUTYL KETONE
Concen: 0.20 PPBV
RT: 6.630 min Scan# 1073
Delta R.T. 0.036 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 58 Resp: 3017

Ion	Ratio	Lower	Upper
58	100		
43	226.3	171.6	257.4
100	38.4	31.4	47.0
85	44.7	35.8	53.6

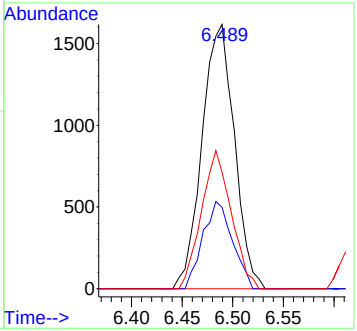


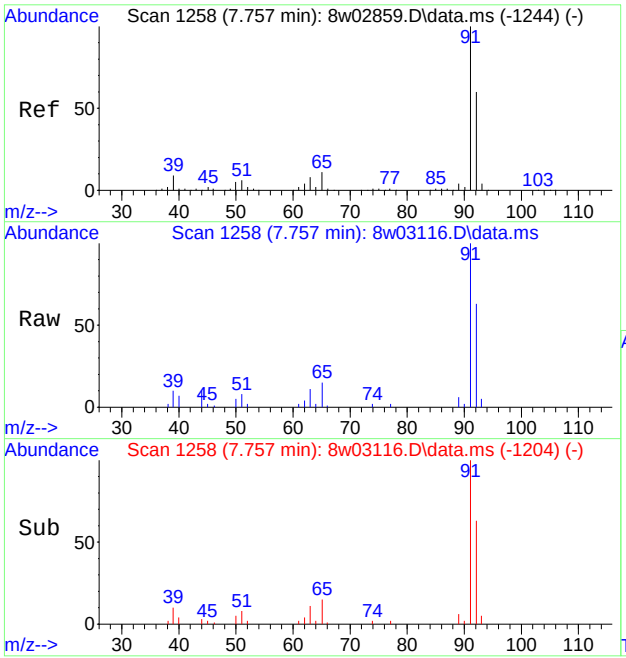


#65
CIS-1,3-DICHLOROPROPENE
Concen: 0.14 PPBV
RT: 6.489 min Scan# 1050
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 75 Resp: 3602

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0
39	48.3	35.8	53.8

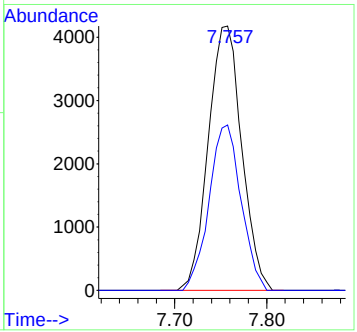


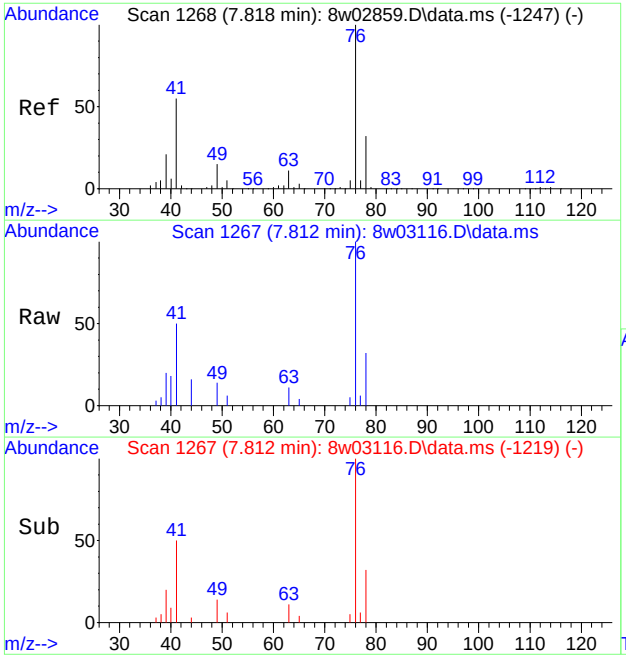


#66
TOLUENE
Concen: 0.18 PPBV
RT: 7.757 min Scan# 1258
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 91 Resp: 10541

Ion	Ratio	Lower	Upper
91	100		
92	59.9	39.8	79.8

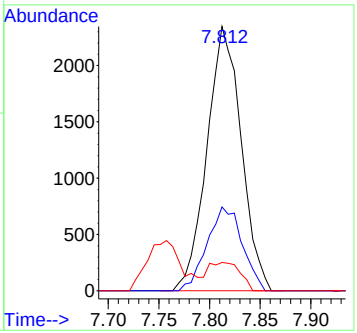


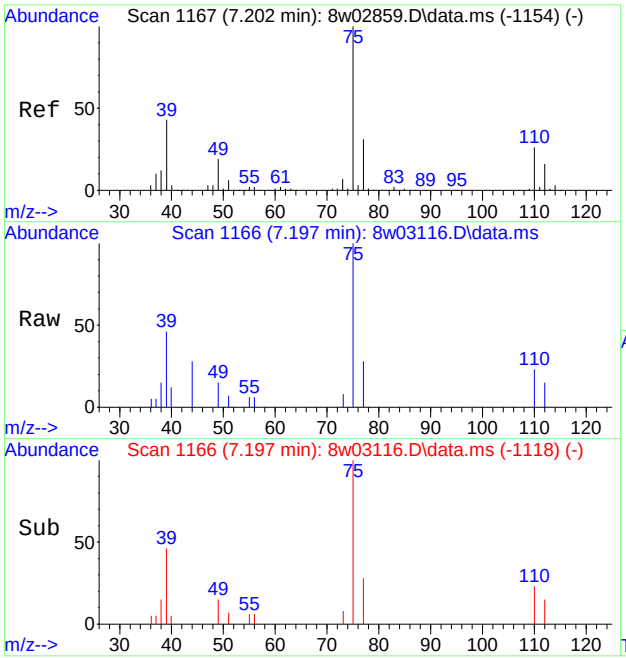


#67
1,3-DICHLOROPROPANE
Concen: 0.20 PPBV
RT: 7.812 min Scan# 1267
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 76 Resp: 5535

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9
63	10.4	8.6	12.8

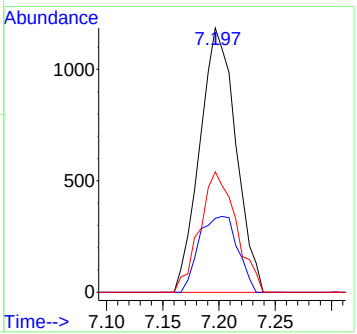


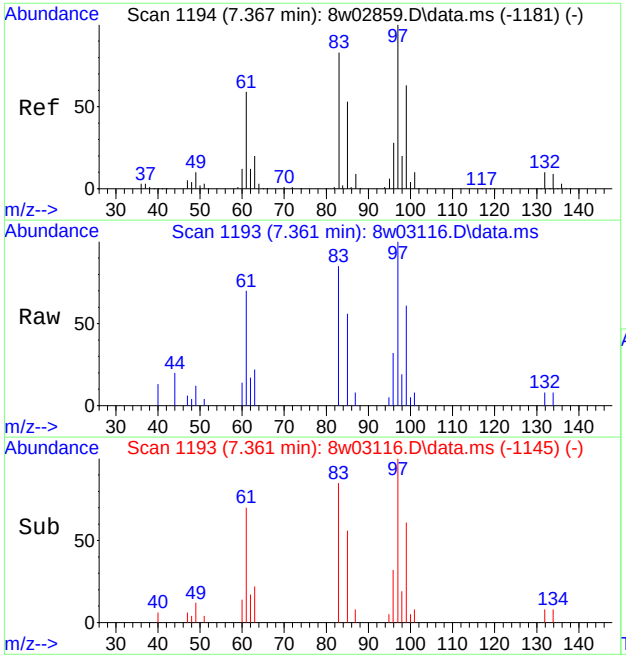


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 0.12 PPBV
RT: 7.197 min Scan# 1166
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 75 Resp: 2648

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9
39	46.0	33.4	50.0

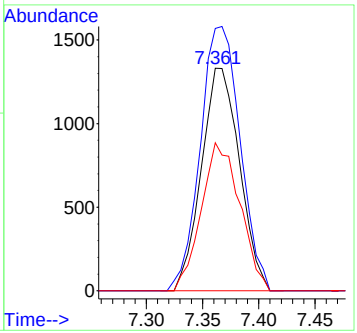


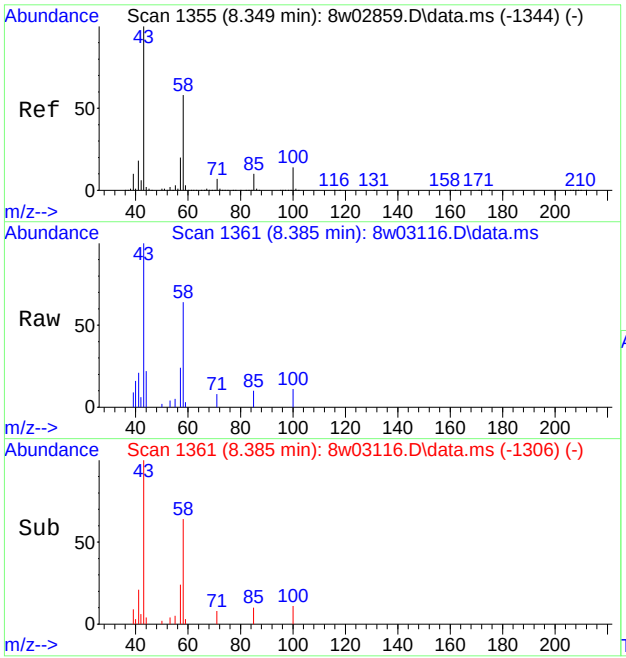


#69
1,1,2-TRICHLOROETHANE
Concen: 0.20 PPBV
RT: 7.361 min Scan# 1193
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 83 Resp: 3145

Ion	Ratio	Lower	Upper
83	100		
97	124.3	98.2	147.2
85	67.4	51.7	77.5

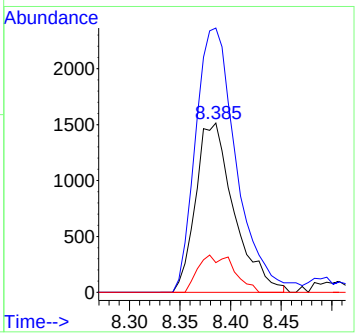


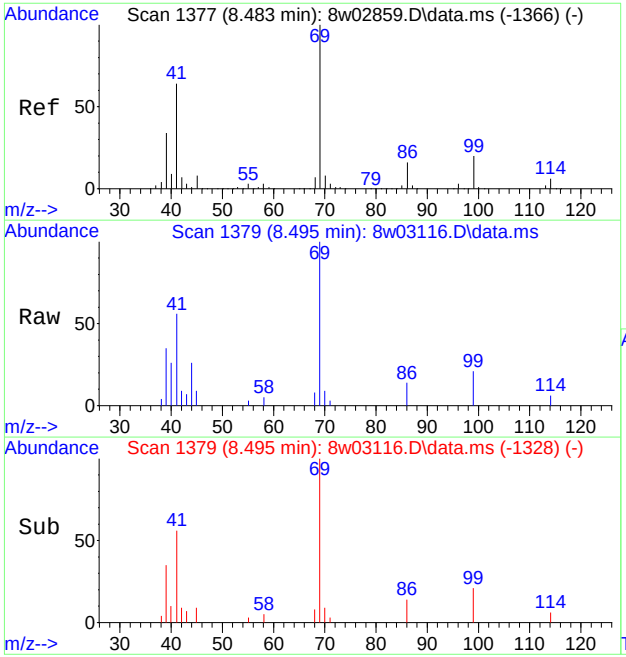


#70
2-HEXANONE
Concen: 0.20 PPBV
RT: 8.385 min Scan# 1361
Delta R.T. 0.036 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 58 Resp: 4007

Ion	Ratio	Lower	Upper
58	100		
43	164.0	124.3	186.5
100	20.6	18.0	27.0

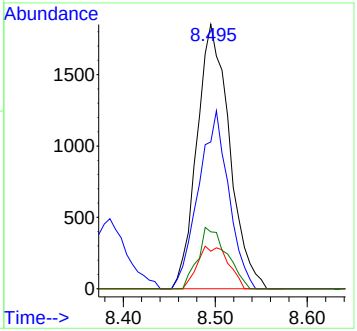


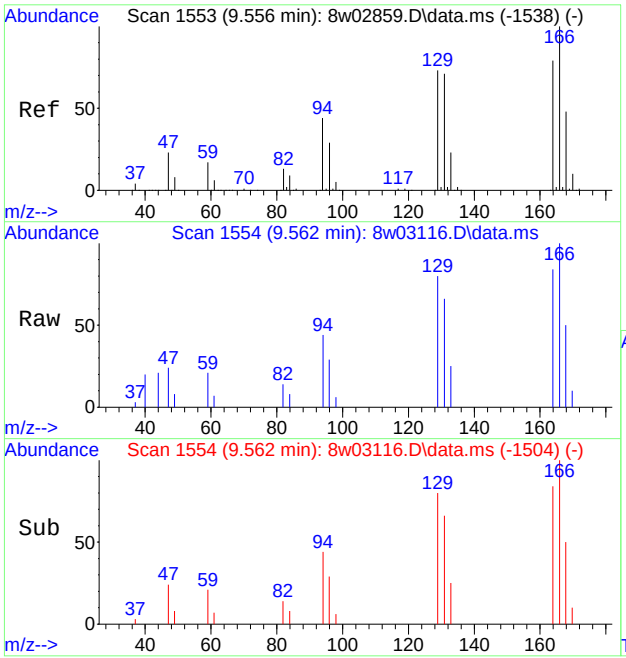


#71
ETHYL METHACRYLATE
Concen: 0.17 PPBV
RT: 8.495 min Scan# 1379
Delta R.T. 0.012 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 69 Resp: 4559

Ion	Ratio	Lower	Upper
69	100		
41	62.3	50.3	75.5
86	15.2	13.0	19.4
99	20.5	16.9	25.3

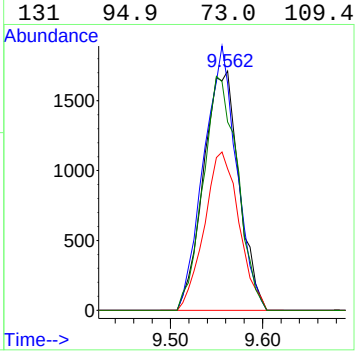


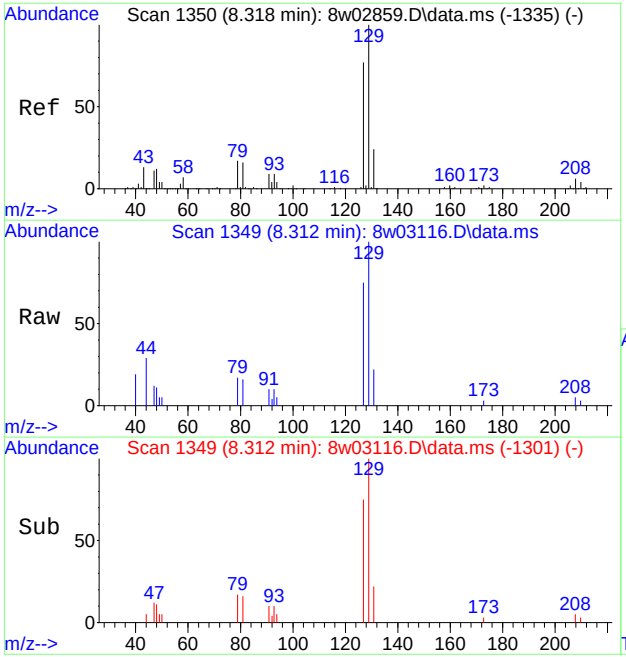


#72
TETRACHLOROETHENE
Concen: 0.20 PPBV
RT: 9.562 min Scan# 1554
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:164 Resp: 4578

Ion	Ratio	Lower	Upper
164	100		
129	102.5	75.8	113.8
168	64.8	48.8	73.2
131	94.9	73.0	109.4

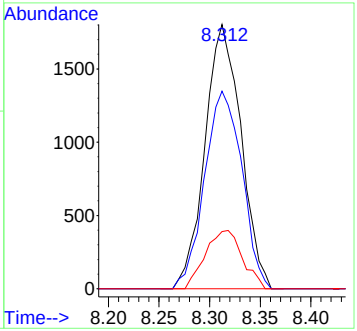


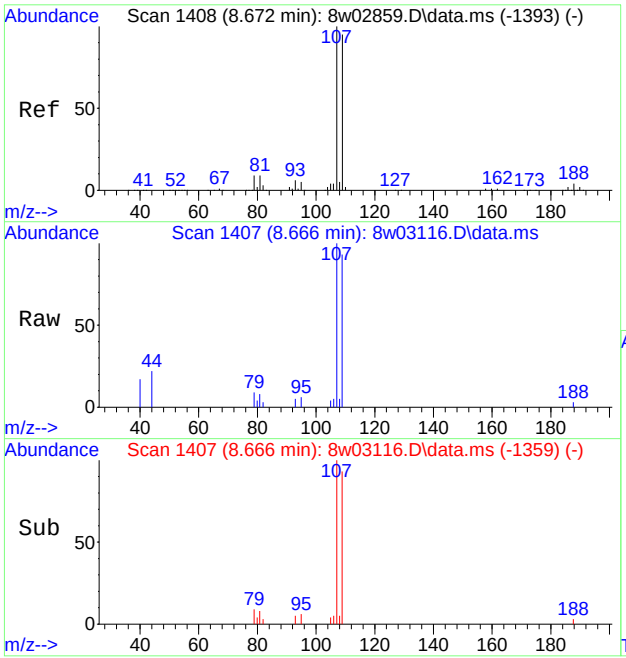


#73
DIBROMOCHLOROMETHANE
Concen: 0.13 PPBV
RT: 8.312 min Scan# 1349
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:129 Resp: 4478

Ion	Ratio	Lower	Upper
129	100		
127	77.3	62.0	93.0
131	22.6	19.1	28.7

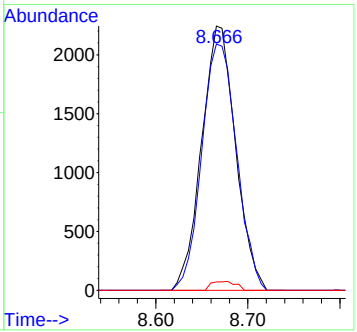


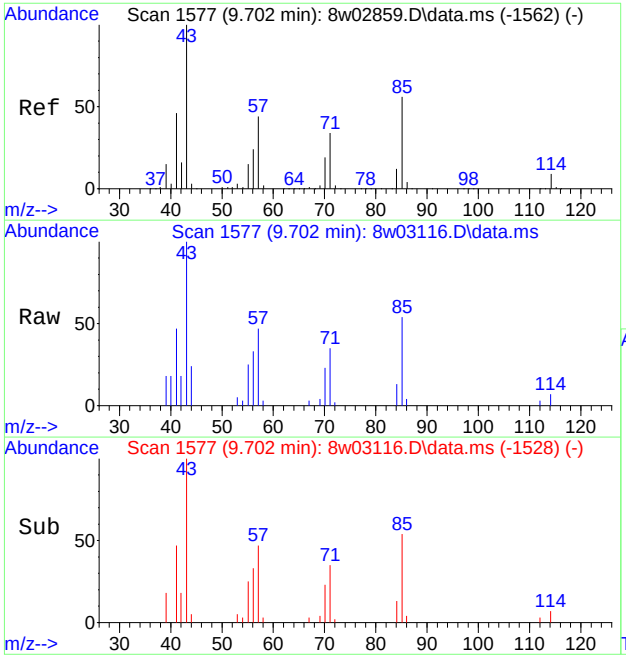


#74
1,2-DIBROMOETHANE
Concen: 0.19 PPBV
RT: 8.666 min Scan# 1407
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:107 Resp: 5762

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.4	113.0
188	0.0	3.0	4.6#

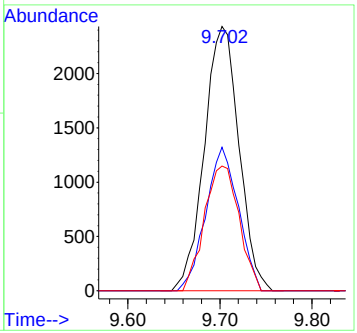


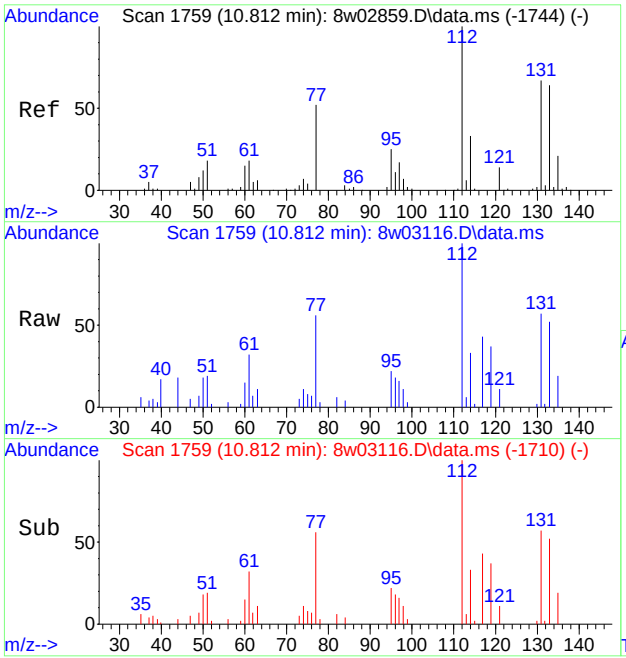


#75
OCTANE
Concen: 0.19 PPBV
RT: 9.702 min Scan# 1577
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 43 Resp: 6366

Ion	Ratio	Lower	Upper
43	100		
85	51.1	45.1	67.7
57	47.3	39.0	58.6

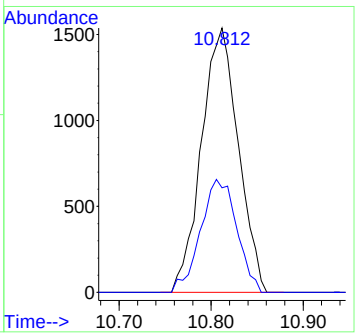


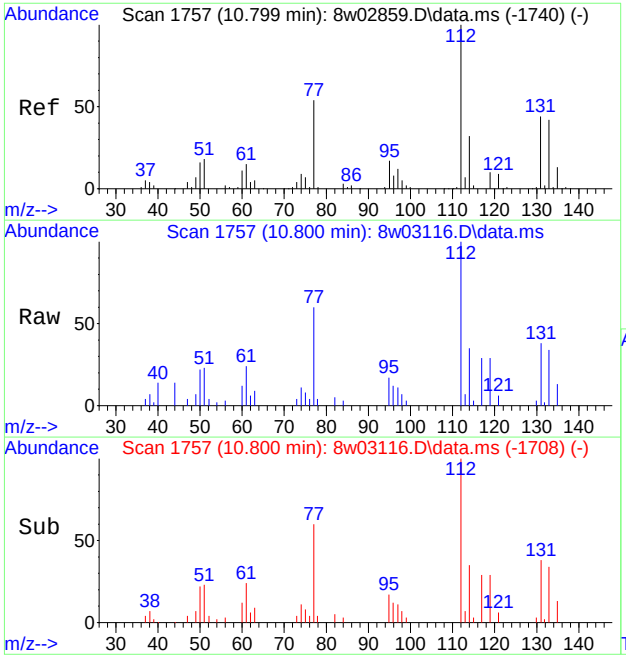


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 0.17 PPBV
RT: 10.812 min Scan# 1759
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:131 Resp: 4287

Ion	Ratio	Lower	Upper
131	100		
95	41.9	31.7	47.5

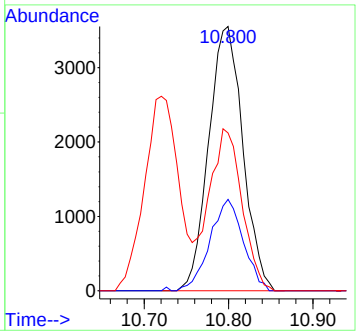


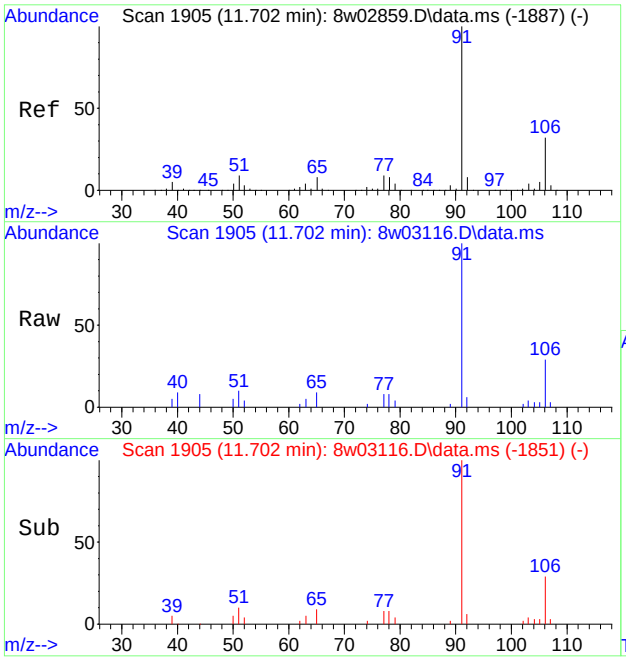


#78
CHLOROBENZENE
Concen: 0.20 PPBV
RT: 10.800 min Scan# 1757
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:112 Resp: 10007

Ion	Ratio	Lower	Upper
112	100		
114	33.9	25.7	38.5
77	59.8	47.4	71.2

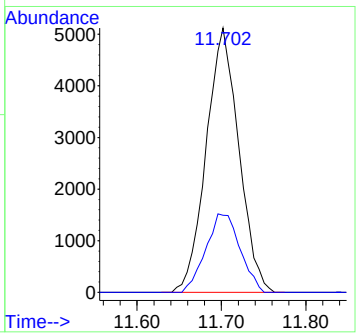


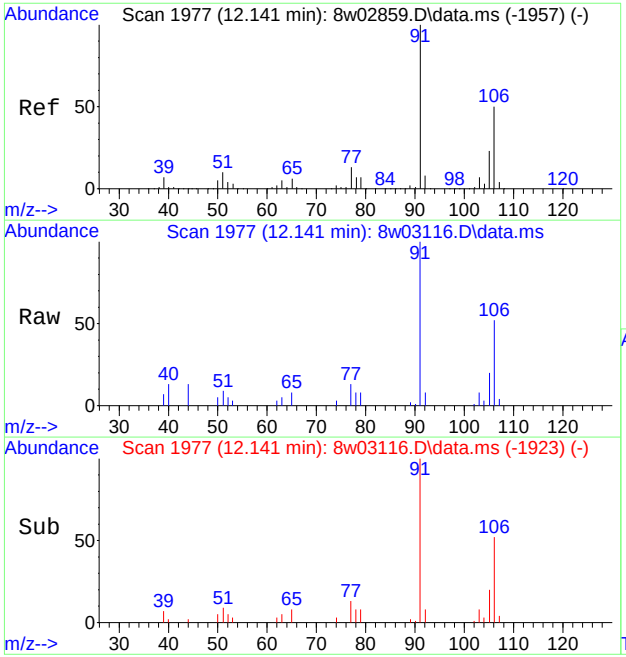


#79
ETHYLBENZENE
Concen: 0.17 PPBV
RT: 11.702 min Scan# 1905
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 91 Resp: 13753

Ion	Ratio	Lower	Upper
91	100		
106	31.2	11.5	51.5

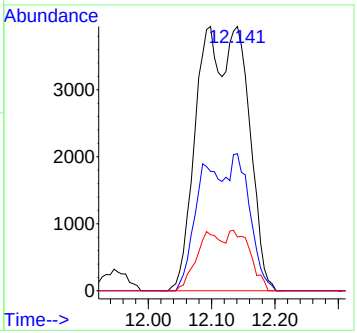


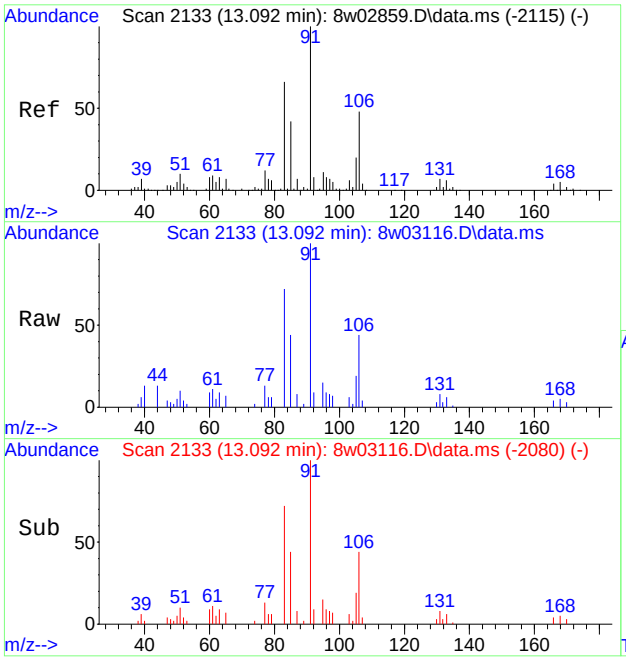


#80
M,P-XYLENE
Concen: 0.34 PPBV
RT: 12.141 min Scan# 1977
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 91 Resp: 21800

Ion	Ratio	Lower	Upper
91	100		
106	24.3	5.3	45.3
105	11.1	0.0	31.8

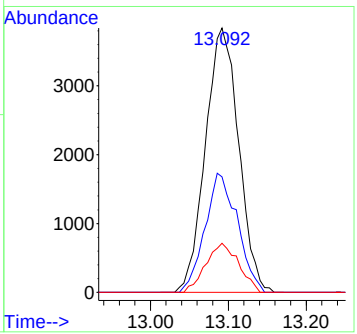


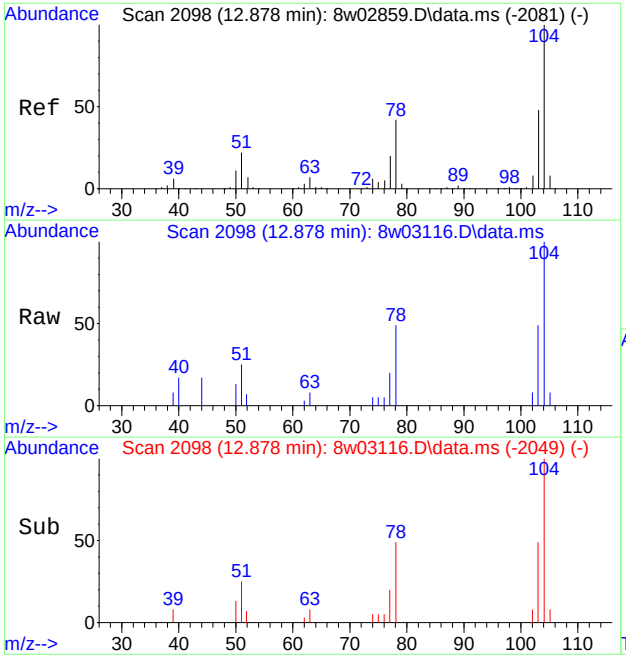


#81
O-XYLENE
Concen: 0.17 PPBV
RT: 13.092 min Scan# 2133
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 91 Resp: 11357

Ion	Ratio	Lower	Upper
91	100		
106	43.7	36.8	55.2
105	18.6	15.0	22.6

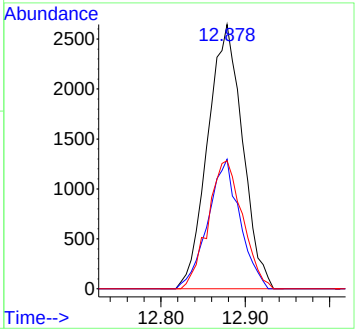


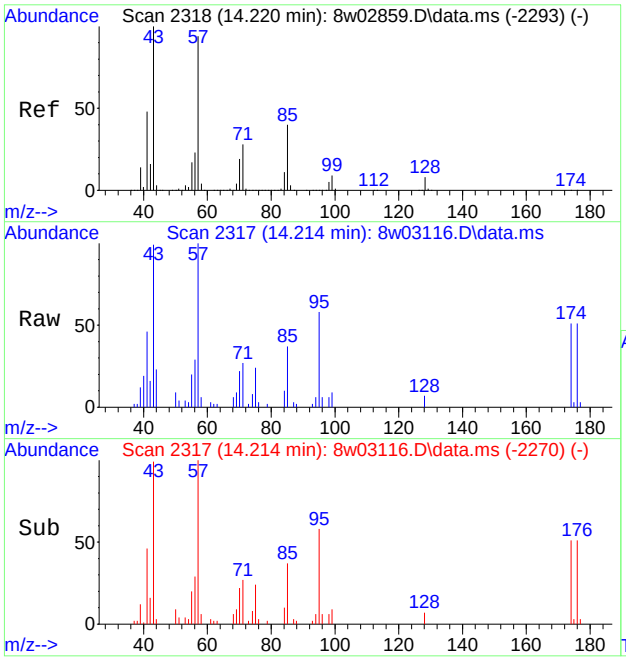


#82
STYRENE
Concen: 0.15 PPBV
RT: 12.878 min Scan# 2098
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:104 Resp: 7590

Ion	Ratio	Lower	Upper
104	100		
78	45.1	35.4	53.0
103	47.9	37.7	56.5

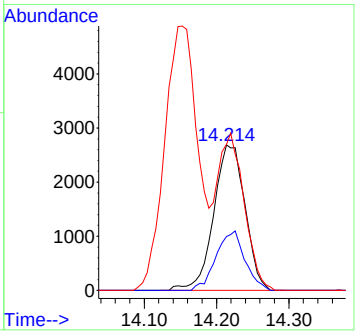


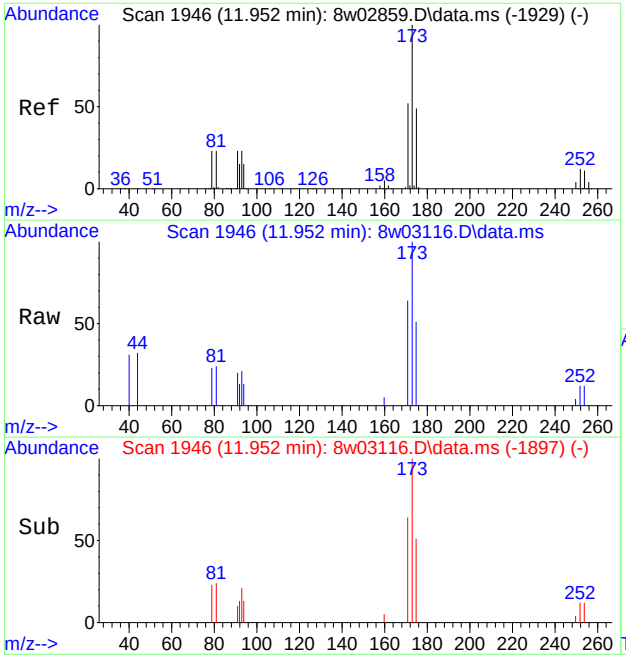


#83
NONANE
Concen: 0.21 PPBV
RT: 14.214 min Scan# 2317
Delta R.T. -0.012 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 43 Resp: 8111

Ion	Ratio	Lower	Upper
43	100		
85	37.5	32.5	48.7
57	86.8	88.6	132.8#

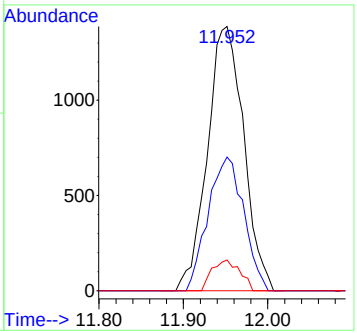


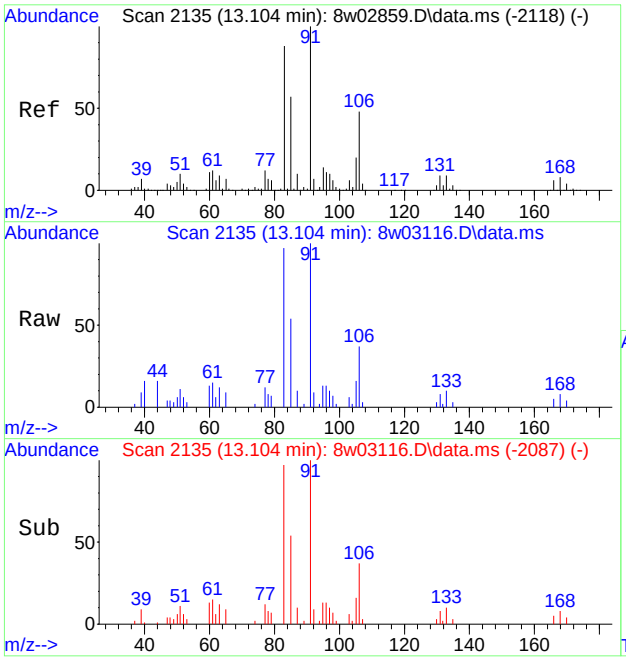


#84
BROMOFORM
Concen: 0.12 PPBV
RT: 11.952 min Scan# 1946
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:173 Resp: 4149

Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.0	58.4
254	0.0	8.7	13.1#

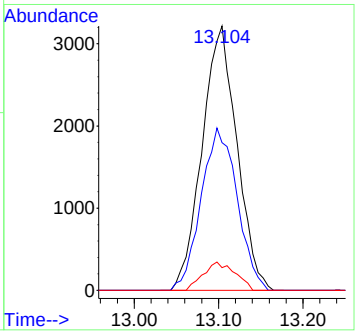


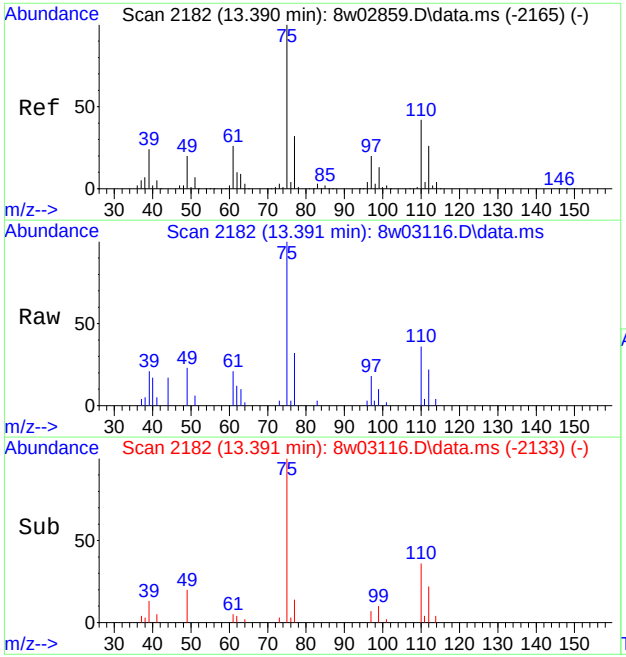


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 0.21 PPBV
RT: 13.104 min Scan# 2135
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 83 Resp: 9237

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.9	77.9
131	9.8	8.5	12.7

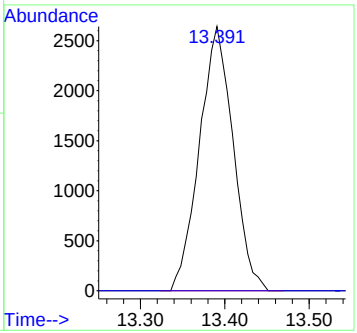


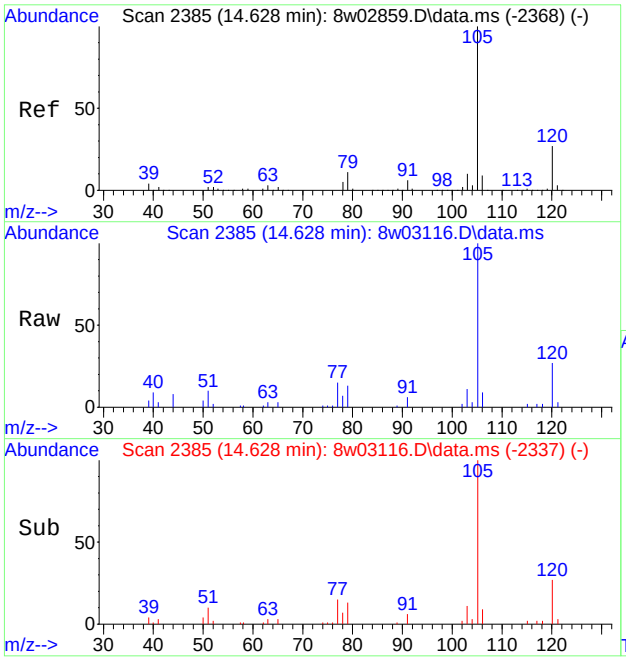


#86
1,2,3-TRICHLOROPROPANE
Concen: 0.20 PPBV
RT: 13.391 min Scan# 2182
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 75 Resp: 7325

Ion	Ratio	Lower	Upper
75	100		
100	0.0	0.5	0.7#

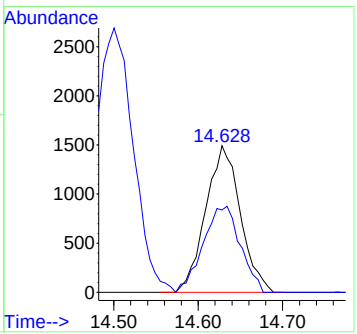


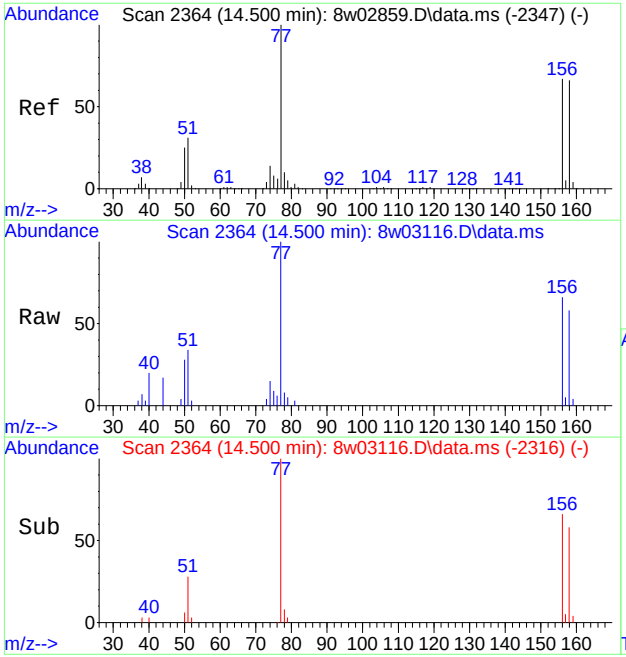


#88
ISOPROPYLBENZENE
Concen: 0.18 PPBV
RT: 14.628 min Scan# 2385
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:120 Resp: 4265

Ion	Ratio	Lower	Upper
120	100		
77	62.8	46.8	70.2

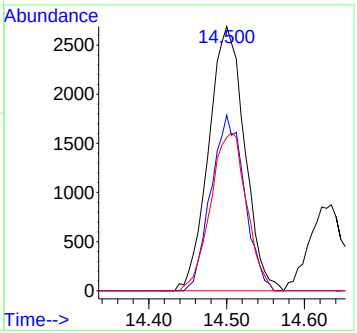


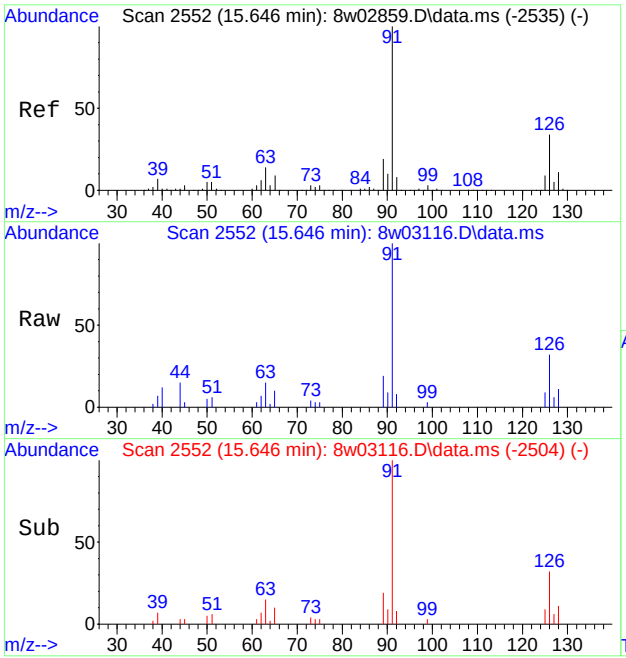


#89
BROMOBENZENE
Concen: 0.19 PPBV
RT: 14.500 min Scan# 2364
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 77 Resp: 8591

Ion	Ratio	Lower	Upper
77	100		
156	61.8	51.5	77.3
158	59.6	50.2	75.4

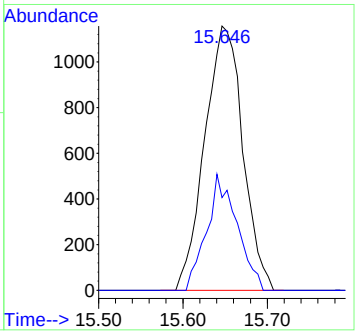


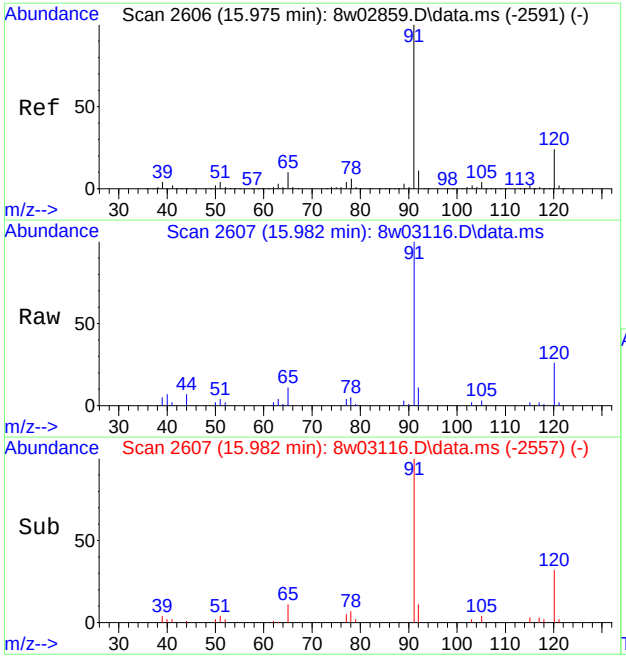


#90
2-CHLOROTOLUENE
Concen: 0.16 PPBV
RT: 15.646 min Scan# 2552
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:126 Resp: 3636

Ion	Ratio	Lower	Upper
126	100		
128	35.0	26.0	39.0

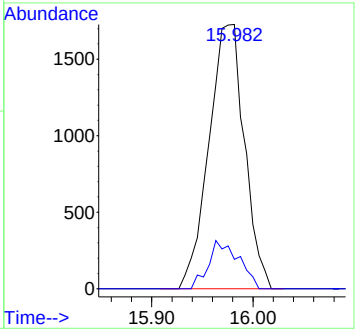


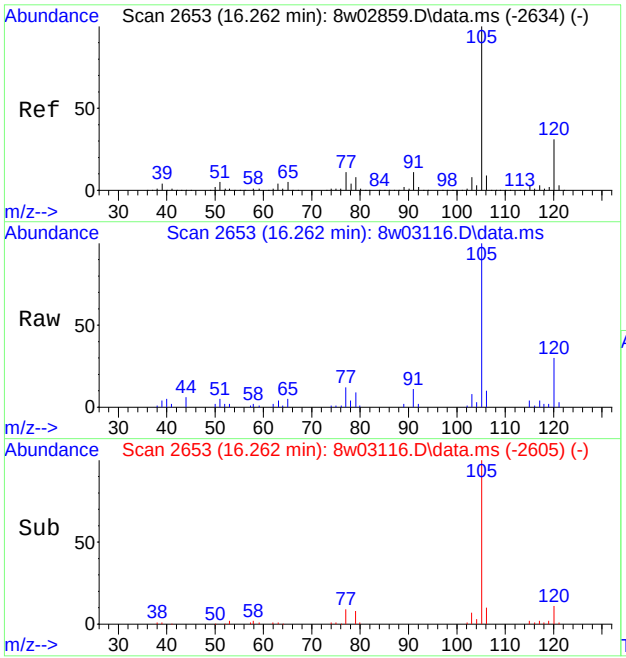


#91
N-PROPYLBENZENE
Concen: 0.17 PPBV
RT: 15.982 min Scan# 2607
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:120 Resp: 4221

Ion	Ratio	Lower	Upper
120	100		
105	15.5	13.3	19.9

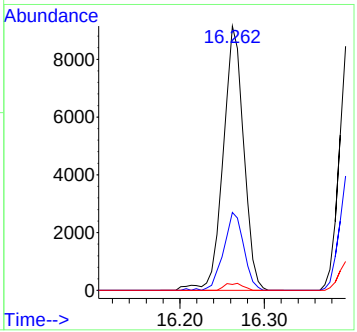


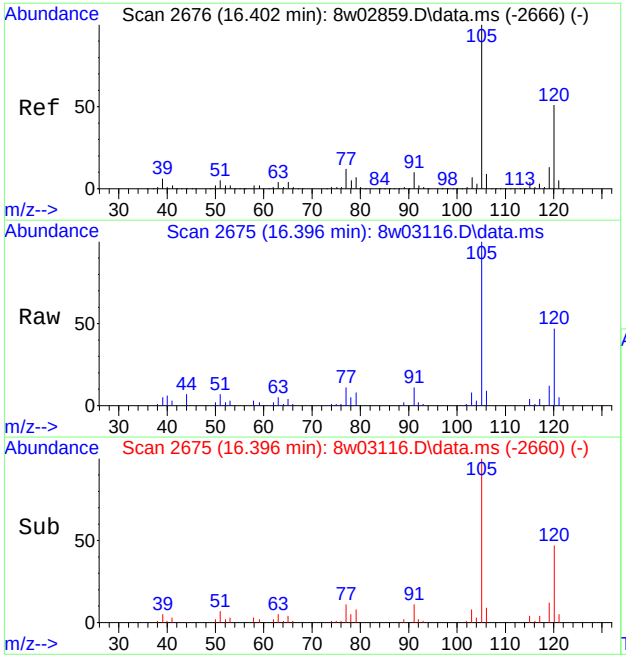


#92
4-ETHYLTOLUENE
Concen: 0.17 PPBV
RT: 16.262 min Scan# 2653
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:105 Resp: 15406

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.2	34.8
119	0.0	1.8	2.8#

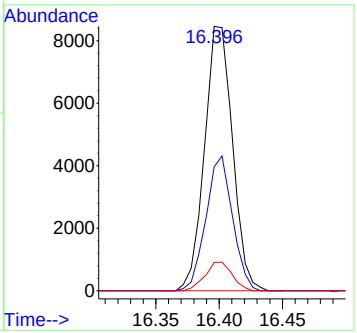


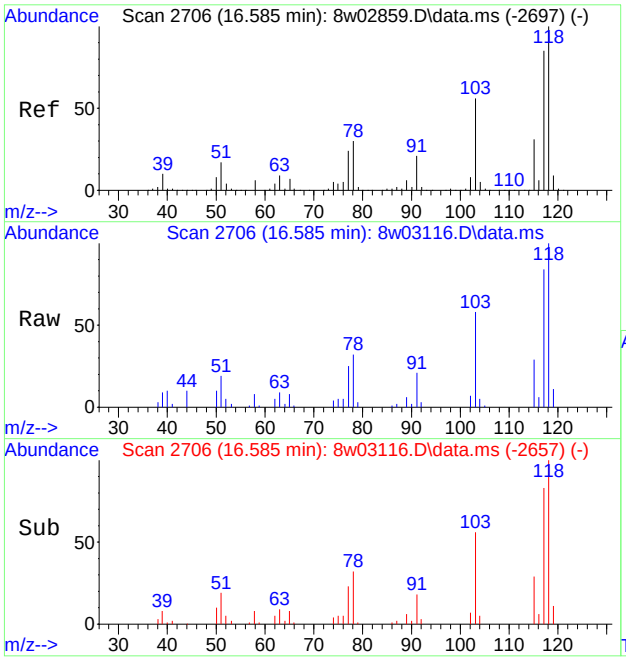


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.17 PPBV
RT: 16.396 min Scan# 2675
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:105 Resp: 12998

Ion	Ratio	Lower	Upper
105	100		
120	48.3	38.2	57.4
91	10.5	8.7	13.1

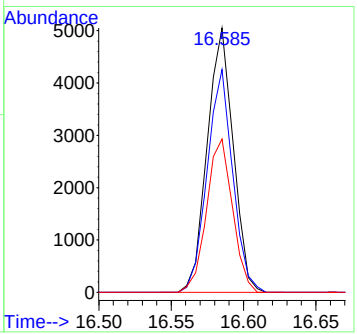


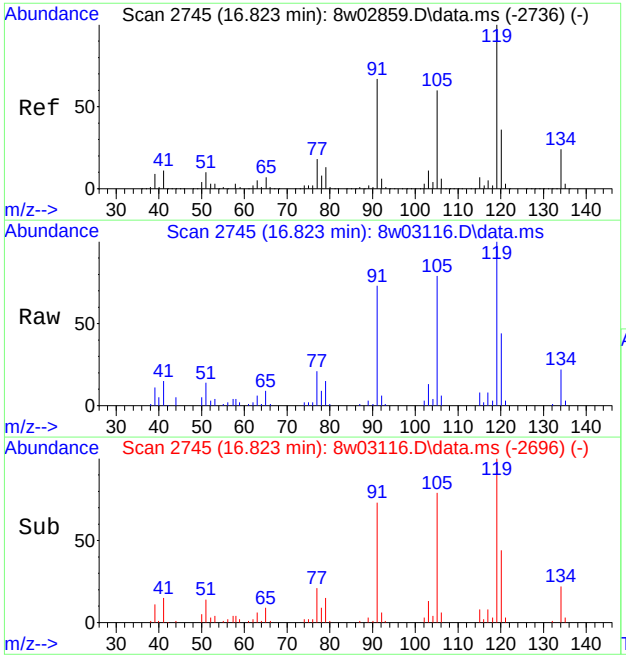


#94
ALPHA-METHYLSTYRENE
Concen: 0.17 PPBV
RT: 16.585 min Scan# 2706
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:118 Resp: 6315

Ion	Ratio	Lower	Upper
118	100		
117	82.9	68.5	102.7
103	57.9	46.9	70.3

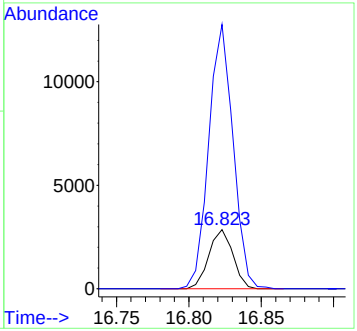


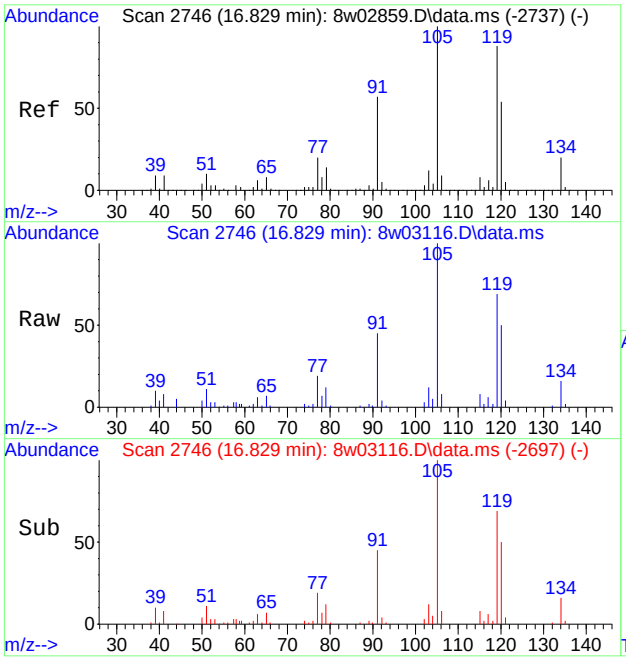


#95
TERT-BUTYLBENZENE
Concen: 0.20 PPBV
RT: 16.823 min Scan# 2745
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:134 Resp: 3323

Ion	Ratio	Lower	Upper
134	100		
119	452.2	376.4	564.6

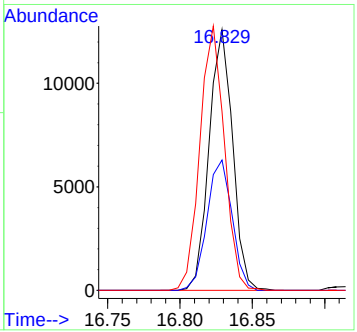


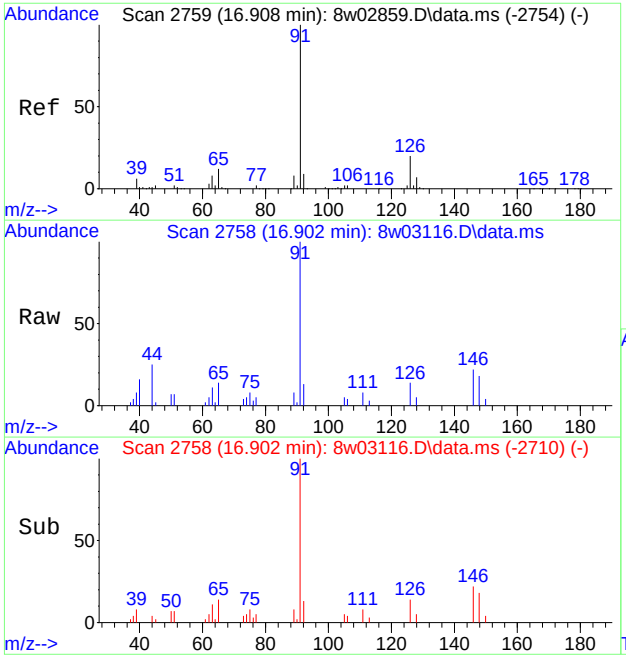


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.19 PPBV
RT: 16.829 min Scan# 2746
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:105 Resp: 14300

Ion	Ratio	Lower	Upper
105	100		
120	53.4	42.1	63.1
119	105.1	84.6	127.0

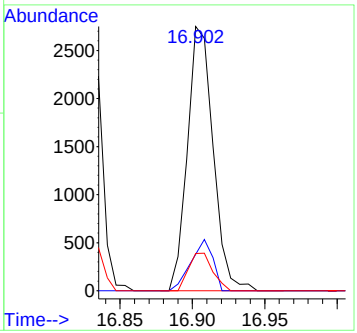


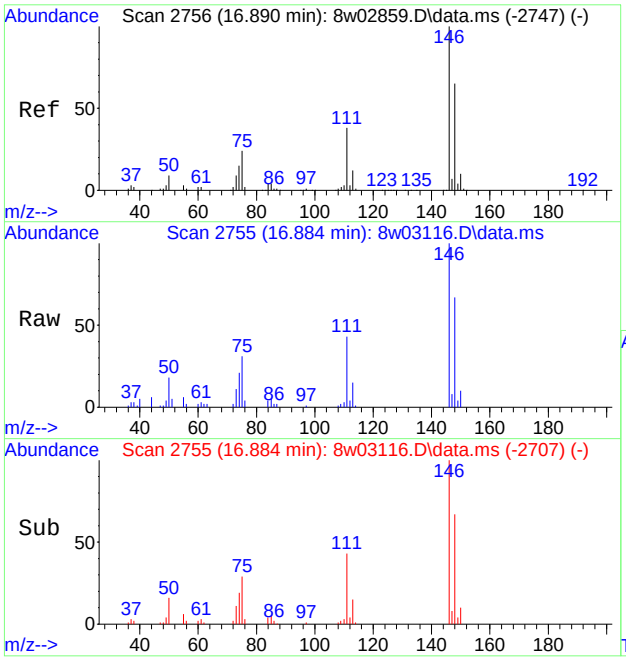


#97
BENZYL CHLORIDE
Concen: 0.09 PPBV
RT: 16.902 min Scan# 2758
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion: 91 Resp: 3422

Ion	Ratio	Lower	Upper
91	100		
126	16.5	15.2	22.8
65	0.0	10.3	15.5#

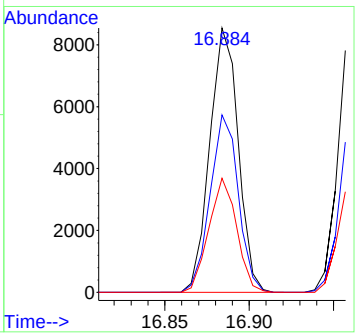


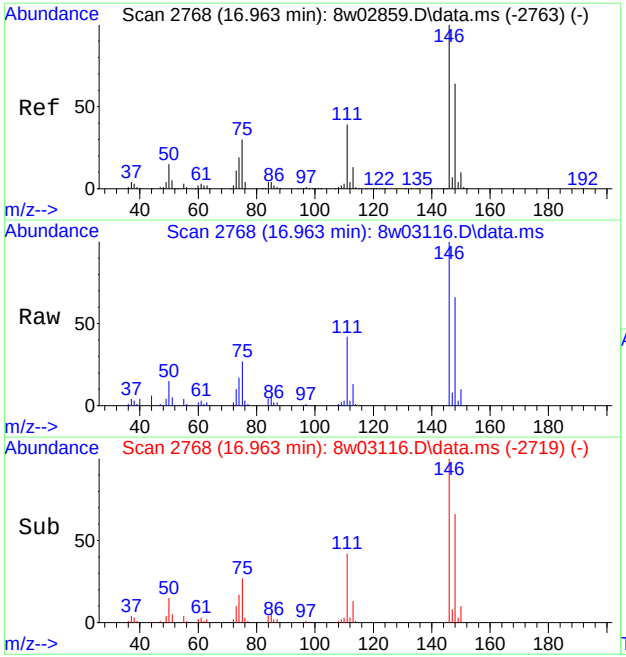


#98
M-DICHLOROBENZENE
Concen: 0.20 PPBV
RT: 16.884 min Scan# 2755
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:146 Resp: 10041

Ion	Ratio	Lower	Upper
146	100		
148	66.4	51.0	76.4
111	42.3	34.2	51.4

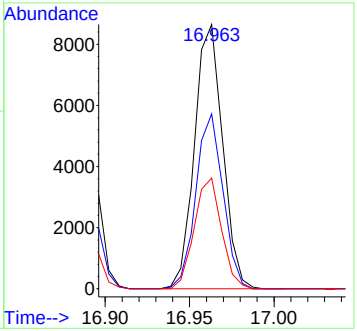


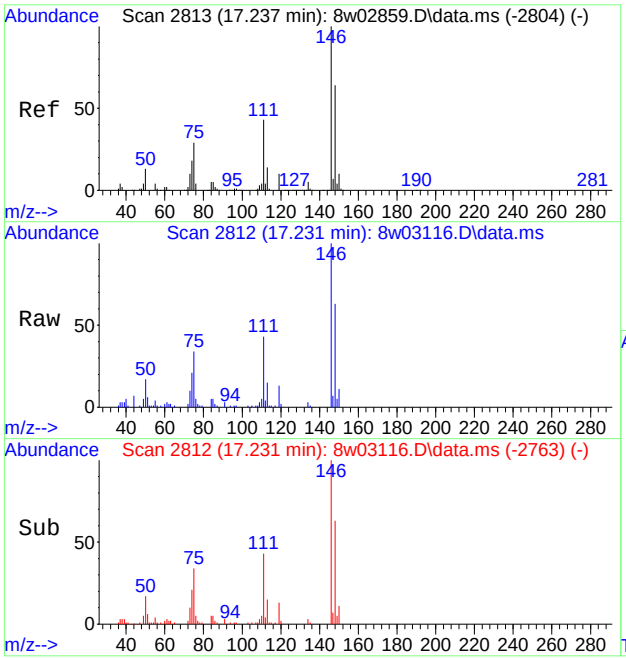


#99
P-DICHLOROBENZENE
Concen: 0.20 PPBV
RT: 16.963 min Scan# 2768
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:146 Resp: 10046

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
111	40.5	32.8	49.2

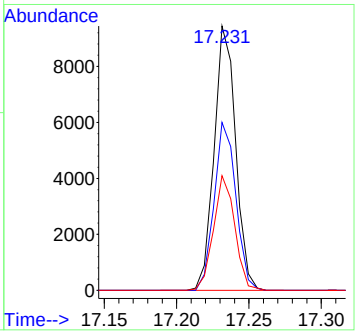


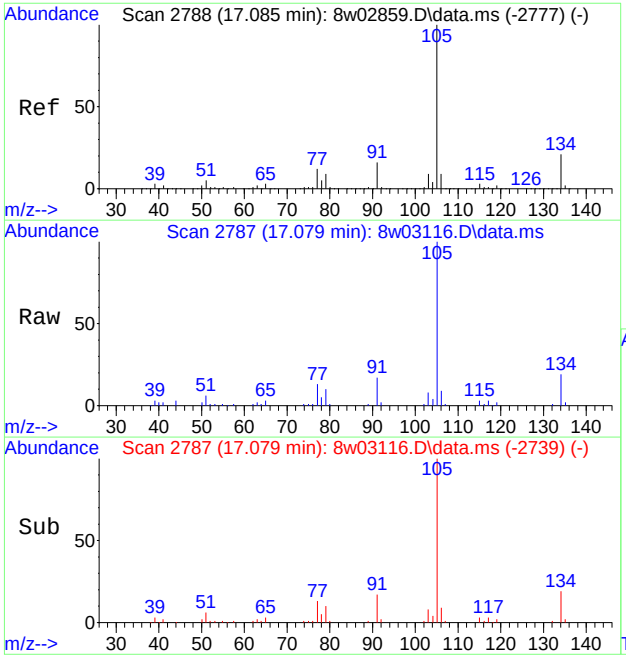


#100
O-DICHLOROBENZENE
Concen: 0.21 PPBV
RT: 17.231 min Scan# 2812
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:146 Resp: 9799

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.9	76.3
111	43.0	35.9	53.9

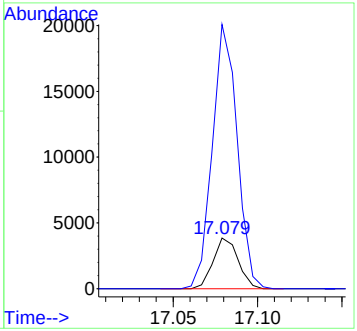


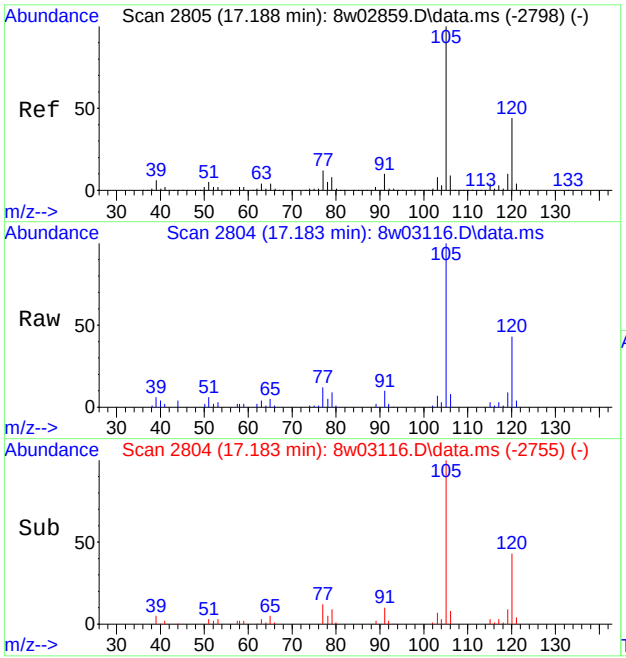


#101
SEC-BUTYLBENZENE
Concen: 0.19 PPBV
RT: 17.079 min Scan# 2787
Delta R.T. -0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:134 Resp: 3986

Ion	Ratio	Lower	Upper
134	100		
105	516.4	405.0	607.6

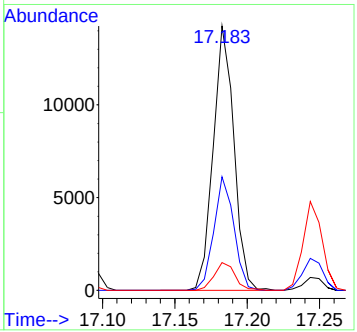


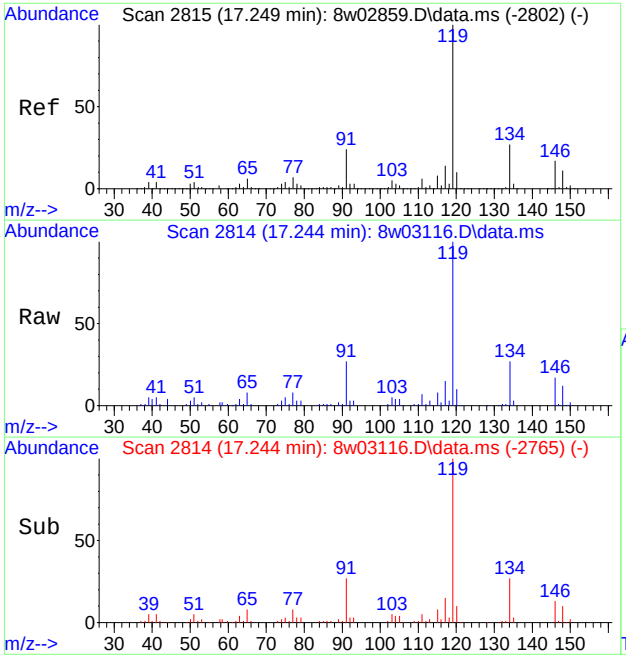


#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.19 PPBV
RT: 17.183 min Scan# 2804
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:105 Resp: 14255

Ion	Ratio	Lower	Upper
105	100		
120	41.6	32.6	49.0
91	10.7	8.4	12.6

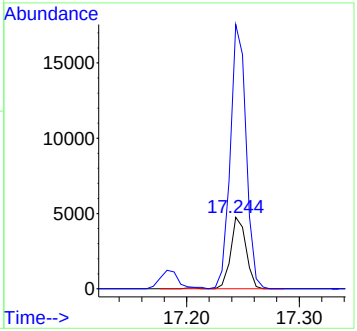


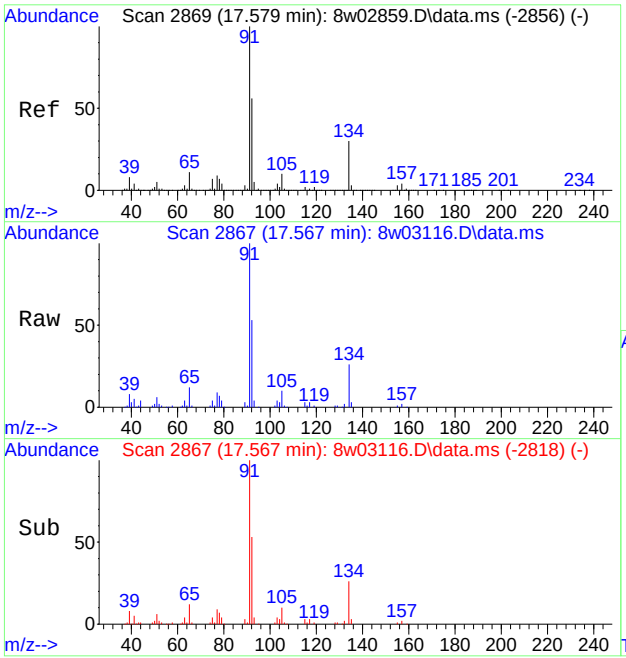


#103
P-ISOPROPYLTOLUENE
Concen: 0.20 PPBV
RT: 17.244 min Scan# 2814
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:134 Resp: 4562

Ion	Ratio	Lower	Upper
134	100		
119	378.0	316.6	474.8

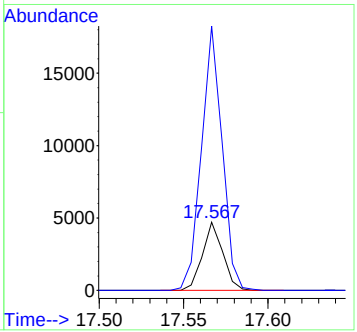


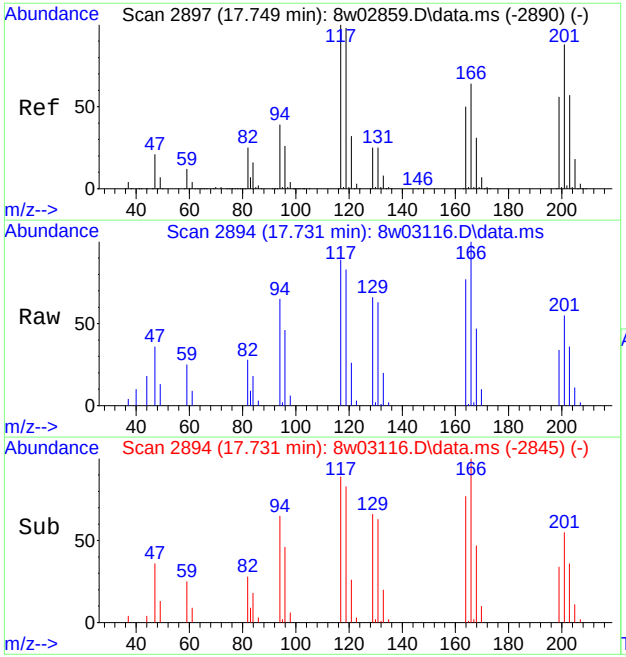


#104
N-BUTYLBENZENE
Concen: 0.18 PPBV
RT: 17.567 min Scan# 2867
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:134 Resp: 3959

Ion	Ratio	Lower	Upper
134	100		
91	394.5	305.3	457.9

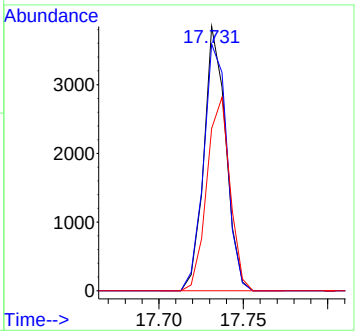


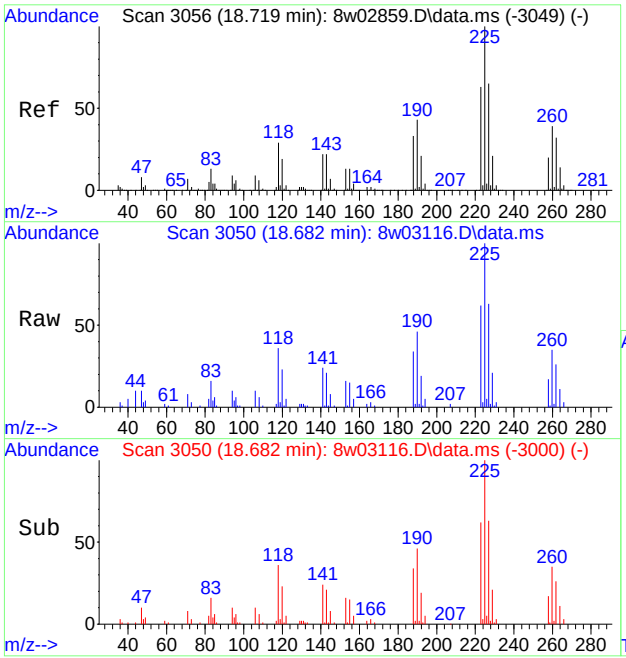


#105
HEXACHLOROETHANE
Concen: 0.14 PPBV
RT: 17.731 min Scan# 2894
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:117 Resp: 3471

Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.0	115.6
201	77.4	64.2	96.2

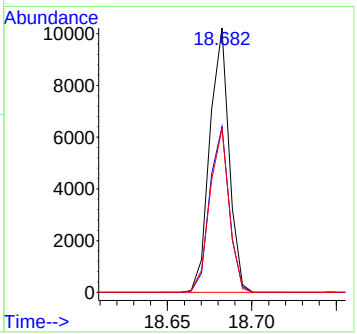




#106
HEXACHLOROBUTADIENE
Concen: 0.20 PPBV
RT: 18.682 min Scan# 3050
Delta R.T. 0.006 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

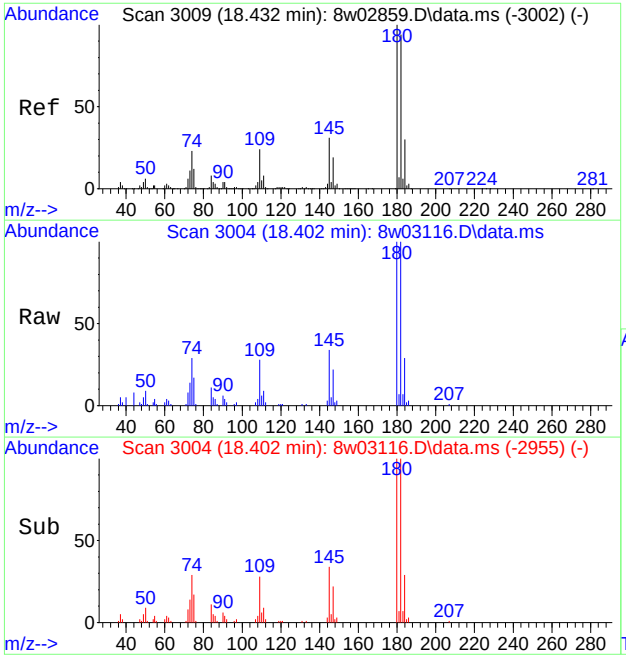
Tgt Ion:225 Resp: 8110

Ion	Ratio	Lower	Upper
225	100		
227	63.2	51.2	76.8
223	62.3	50.2	75.4



7.7.15

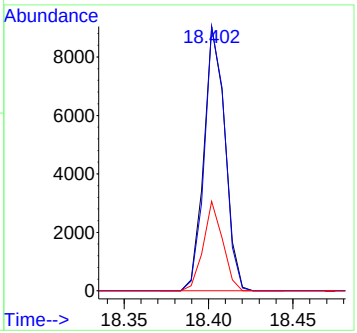
7

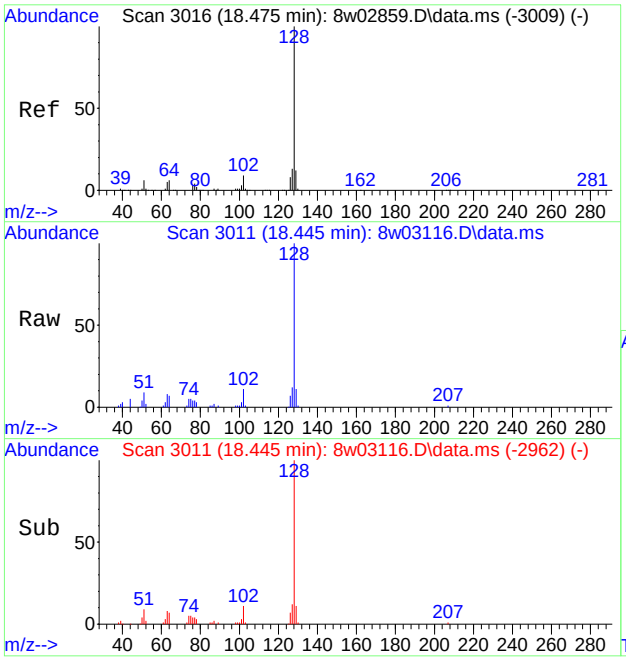


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.17 PPBV
RT: 18.402 min Scan# 3004
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:180 Resp: 7862

Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.0	114.0
145	31.1	26.2	39.2

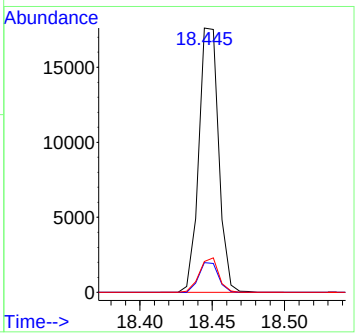


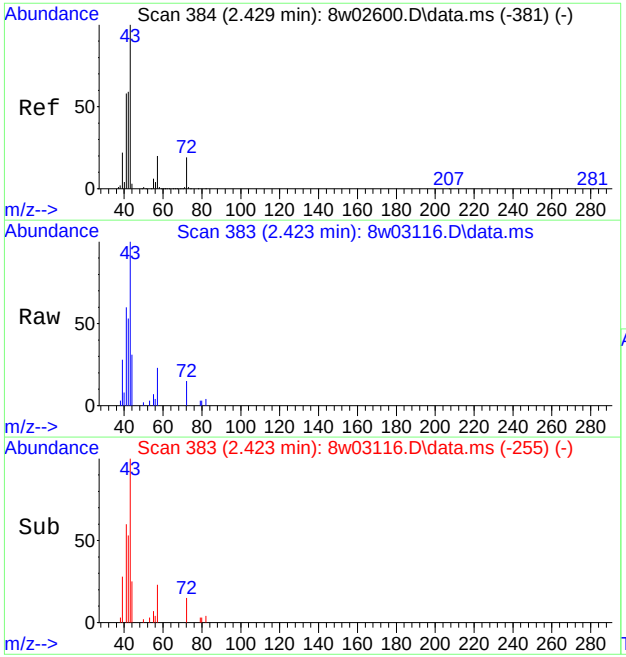


#108
NAPHTHALENE
Concen: 0.16 PPBV
RT: 18.445 min Scan# 3011
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:128 Resp: 16805

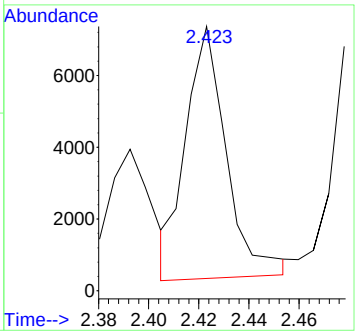
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.7	10.2	15.2





#110
TVHC as equiv Pentane
Concen: 0.17 PPBV m
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03116.D
Acq: 19 Dec 2023 10:20 pm

Tgt Ion:TIC Resp: 7908



Manual Integration Approval Summary

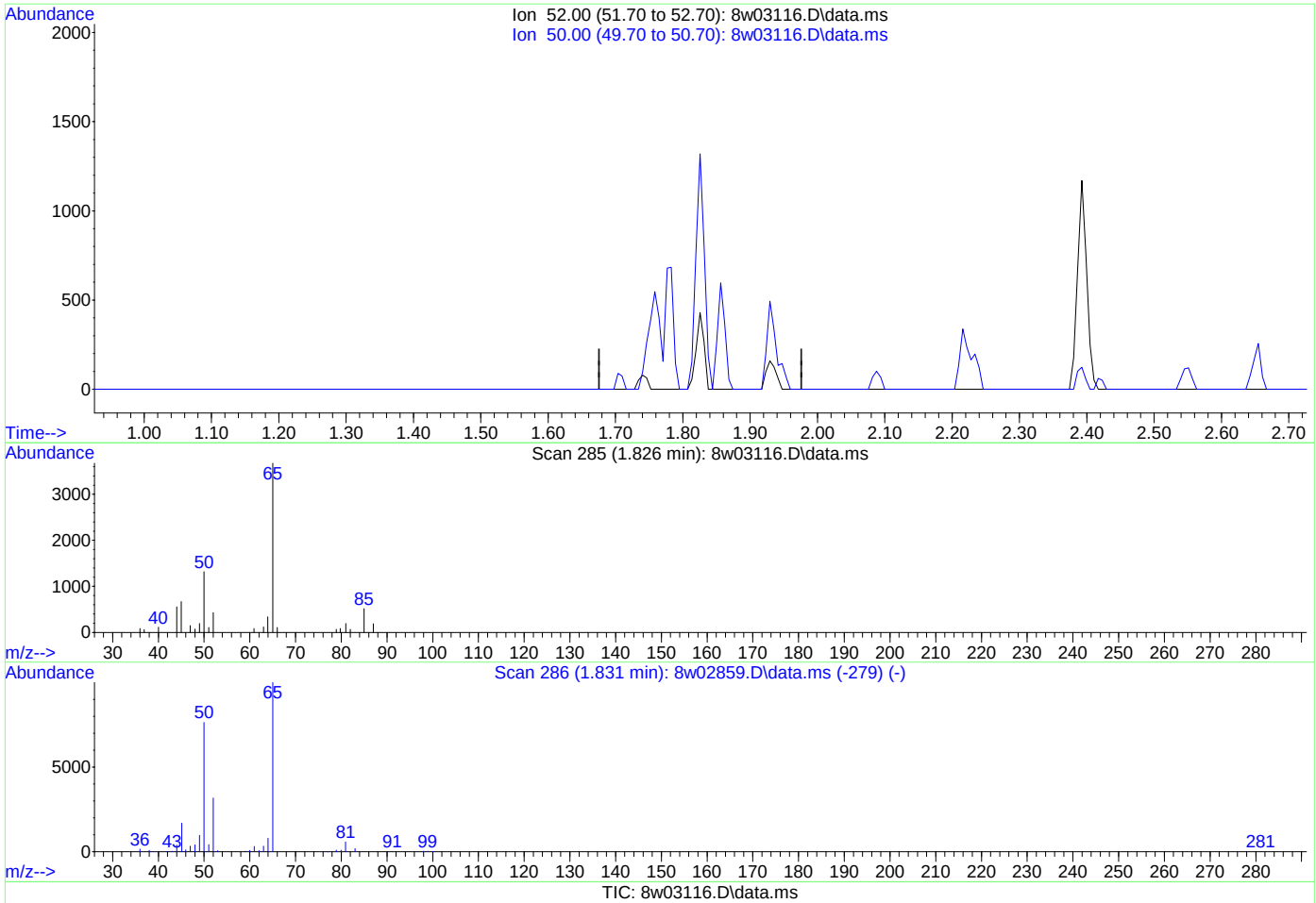
Sample Number: V8W124-IC0124
Lab FileID: 8W03116.D
Injection Time: 12/19/23 22:20
Method: TO-15
Analyst approved: 12/21/23 10:34 Taylor Sauter
Supervisor approved: 12/21/23 12:29 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloromethane	74-87-3		1.83	Missed peak
TVHC As Equiv Pentane			2.42	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03116.D
Acq On : 19 Dec 2023 10:20 pm
Operator : taylors
Sample : ic0124-0.20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:11:50 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03116.D\data.ms

(10) CHLOROMETHANE (T)

1.826min (-1.826) 0.00PPBV

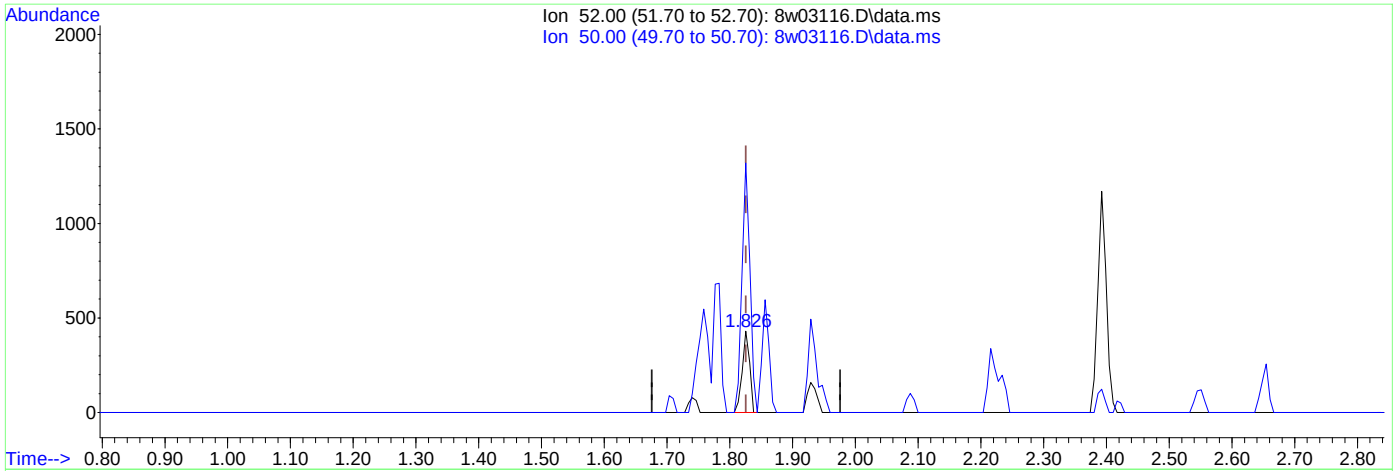
response 0

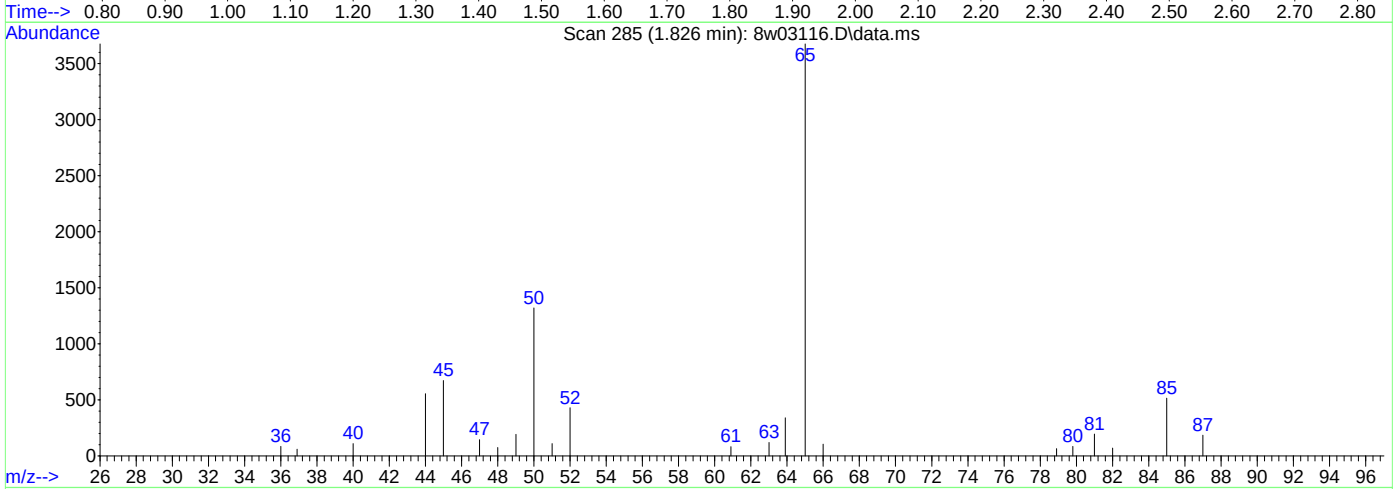
Ion	Exp%	Act%
52.00	100	0.00
50.00	447.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03116.D
Acq On : 19 Dec 2023 10:20 pm
Operator : taylors
Sample : ic0124-0.20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:48 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03116.D\data.ms

(10) CHLOROMETHANE (T)

1.826min (-0.000) 0.20PPBV m

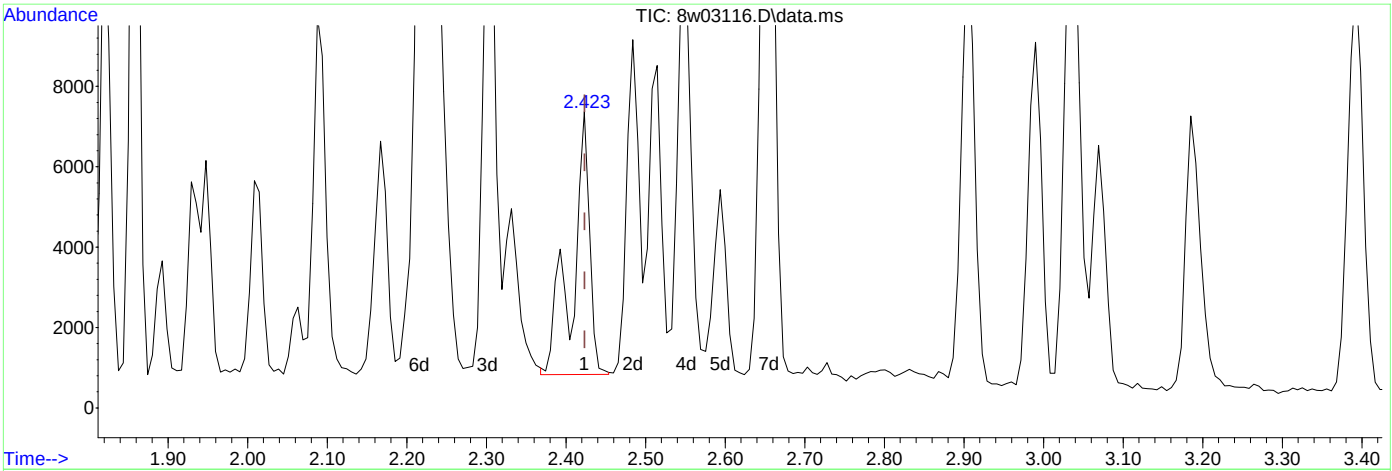
response 353

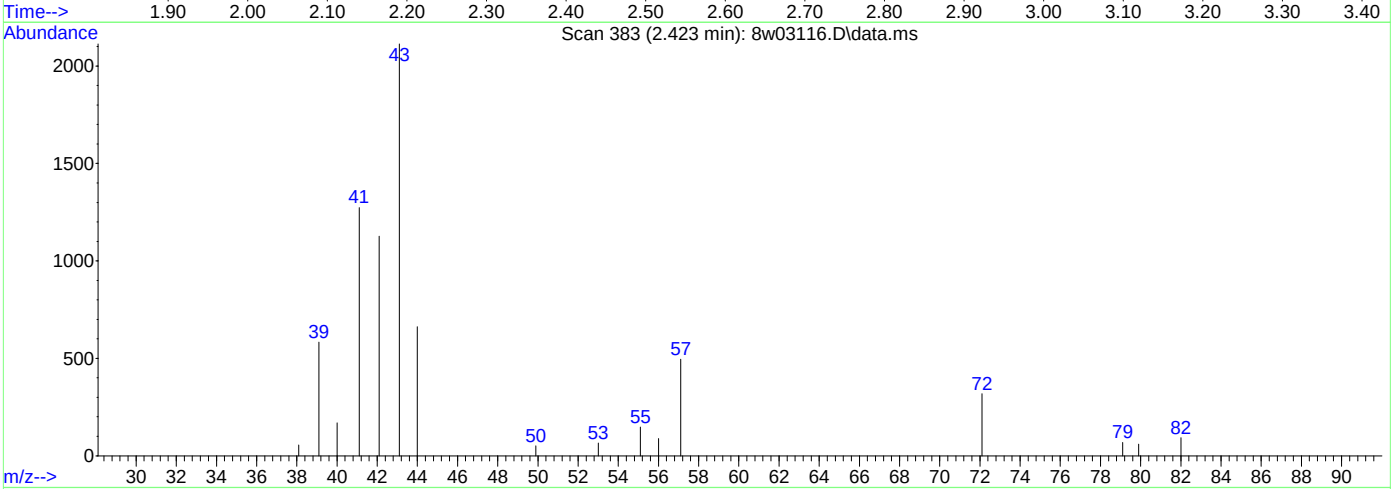
Ion	Exp%	Act%
52.00	100	100
50.00	447.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03116.D
Acq On : 19 Dec 2023 10:20 pm
Operator : taylors
Sample : ic0124-0.20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:52:48 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03116.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 0.21PPBV

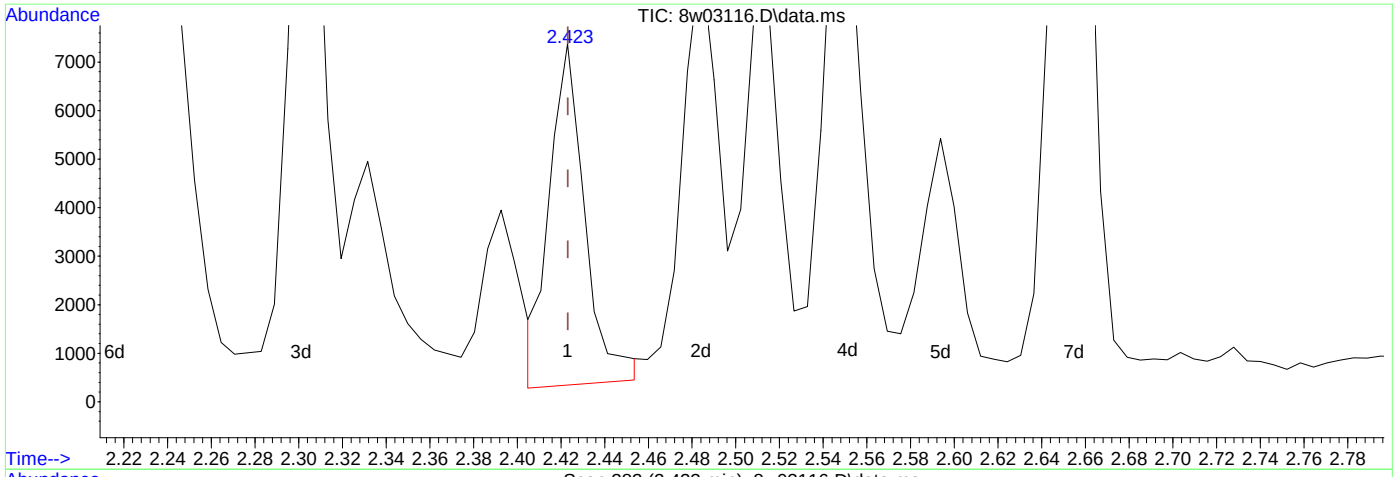
response 9848

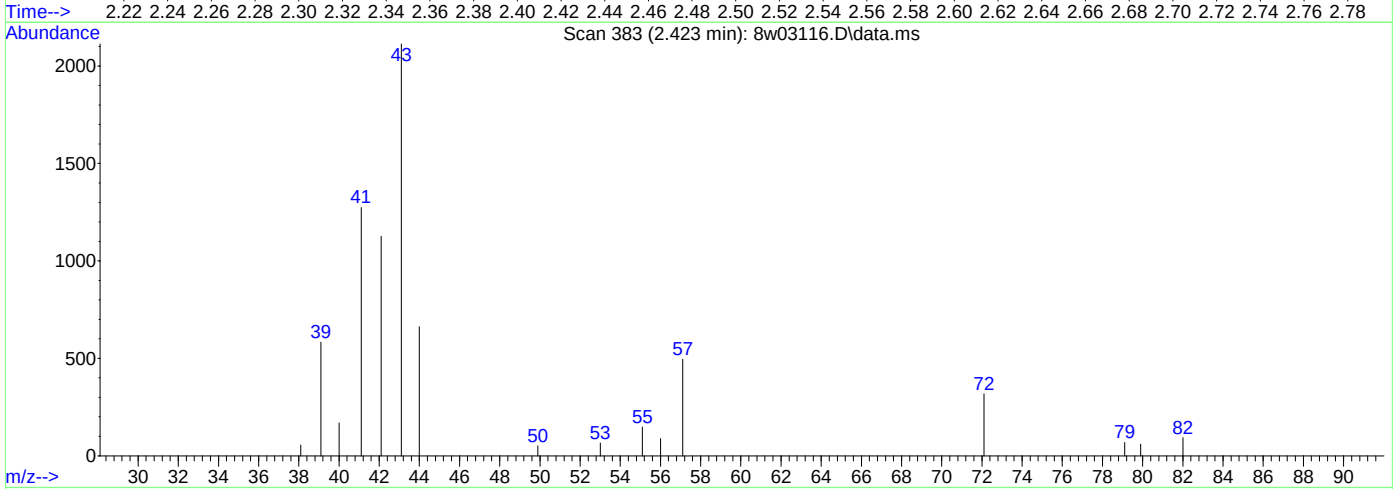
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03116.D
Acq On : 19 Dec 2023 10:20 pm
Operator : taylors
Sample : ic0124-0.20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:42:12 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03116.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 0.17PPBV m

response 7908

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/21/23 12:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03117.D
Acq On : 19 Dec 2023 10:56 pm
Operator : taylors
Sample : ic0124-0.50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:43:54 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 08:25:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	159335	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	801676	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.720	117	754964	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	159335	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.153	95	577164	9.88	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	4839	0.51	PPBV		98
4) CHLORODIFLUOROMETHANE	1.753	67	1967	0.47	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.765	116	8906	0.45	PPBV		95
6) DICHLORODIFLUOROMETHANE	1.783	85	16016	0.47	PPBV		99
7) PROPYLENE	1.765	41	4509	0.49	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.826	65	10915	0.49	PPBV	#	99
9) FREON 114	1.862	85	12468	0.49	PPBV		98
10) CHLOROMETHANE	1.832	52	802	0.46	PPBV		89
11) VINYL CHLORIDE	1.893	62	3581	0.46	PPBV	#	93
12) 1,3-BUTADIENE	1.936	54	2557	0.48	PPBV		99
13) N-BUTANE	1.954	43	4173	0.48	PPBV	#	92
14) BROMOMETHANE	2.015	94	3799	0.47	PPBV		99
15) CHLOROETHANE	2.064	64	1965	0.47	PPBV		97
16) DICHLOROFLUOROMETHANE	2.094	67	9954	0.49	PPBV		100
17) ACETONITRILE	2.167	41	2464	0.50	PPBV		89
18) ACROLEIN	2.204	56	1660	0.48	PPBV		97
19) FREON 123	2.222	83	9829	0.48	PPBV		100
20) FREON 123A	2.240	117	6407	0.48	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.307	101	15012	0.48	PPBV		99
22) ISOPROPYL ALCOHOL	2.332	45	6478	0.48	PPBV	#	89
23) ACETONE	2.253	58	2064	0.57	PPBV		97
24) PENTANE	2.423	42	2822	0.48	PPBV		97
25) IODOMETHANE	2.484	142	10895	0.46	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.515	96	3787	0.46	PPBV		95
27) CARBON DISULFIDE	2.655	76	6895	0.39	PPBV		97
28) ETHANOL	2.100	45	1857	0.63	PPBV	#	93
29) BROMOETHENE	2.173	106	3771	0.45	PPBV	#	93
30) ACRYLONITRILE	2.393	52	2422	0.50	PPBV		98
31) METHYLENE CHLORIDE	2.551	84	3421	0.48	PPBV		99
32) 3-CHLOROPROPENE	2.594	76	1547	0.43	PPBV		93
33) FREON 113	2.655	151	7898	0.48	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.905	96	6669	0.47	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.545	59	8358	0.47	PPBV		98
36) METHYL TERTIARY BUTYL ...	3.039	73	18015	0.43	PPBV		98
37) TETRAHYDROFURAN	3.813	72	3032	0.41	PPBV		94
38) HEXANE	3.533	57	12053	0.50	PPBV		97
39) VINYL ACETATE	3.069	86	1329	0.33	PPBV	#	67
40) 1,1-DICHLOROETHANE	2.990	63	12890	0.48	PPBV		99
41) METHYL ETHYL KETONE	3.185	72	3407	0.44	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.393	96	7553	0.45	PPBV		100
43) DIISOPROPYL ETHER	3.551	59	3589	0.50	PPBV		95
44) ETHYL ACETATE	3.557	61	2127	0.47	PPBV		82
45) METHYL ACRYLATE	3.539	55	14029	0.48	PPBV	#	96
46) CHLOROFORM	3.557	83	15479	0.49	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.100	57	13660	0.44	PPBV		93
48) 1,1,1-TRICHLOROETHANE	4.185	97	13797	0.41	PPBV		96
49) CARBON TETRACHLORIDE	4.642	117	13018	0.38	PPBV		98
50) 1,2-DICHLOROETHANE	4.002	62	11050	0.47	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03117.D
Acq On : 19 Dec 2023 10:56 pm
Operator : taylors
Sample : ic0124-0.50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:43:54 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 08:25:34 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.520	78	21459	0.47	PPBV		99
53)	CYCLOHEXANE	4.752	84	9368	0.44	PPBV		98
54)	2,3-DIMETHYLPENTANE	5.026	71	4816	0.45	PPBV		92
55)	TRICHLOROETHENE	5.490	95	10313	0.48	PPBV		99
56)	1,2-DICHLOROPROPANE	5.240	63	8595	0.49	PPBV		97
57)	DIBROMOMETHANE	5.197	174	9325	0.47	PPBV		97
58)	ETHYL ACRYLATE	5.380	55	15143	0.40	PPBV		99
59)	BROMODICHLOROMETHANE	5.429	83	13751	0.39	PPBV		92
60)	2,2,4-TRIMETHYLPENTANE	5.593	57	39717	0.49	PPBV		100
61)	1,4-DIOXANE	5.551	88	5618	0.49	PPBV	#	58
62)	HEPTANE	5.929	43	11802	0.47	PPBV		97
63)	METHYL METHACRYLATE	5.825	69	7019	0.41	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.624	58	7200	0.47	PPBV		96
65)	CIS-1,3-DICHLOROPROPENE	6.483	75	8938	0.35	PPBV		99
66)	TOLUENE	7.758	91	25303	0.44	PPBV		99
67)	1,3-DICHLOROPROPANE	7.812	76	13487	0.48	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.203	75	6577	0.30	PPBV		97
69)	1,1,2-TRICHLOROETHANE	7.367	83	8071	0.50	PPBV		98
70)	2-HEXANONE	8.373	58	9660	0.47	PPBV		94
71)	ETHYL METHACRYLATE	8.495	69	10669	0.39	PPBV		96
72)	TETRACHLOROETHENE	9.556	164	11075	0.47	PPBV		99
73)	DIBROMOCHLOROMETHANE	8.312	129	11695	0.34	PPBV		98
74)	1,2-DIBROMOETHANE	8.666	107	14527	0.47	PPBV	#	98
75)	OCTANE	9.702	43	15256	0.44	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.806	131	9971	0.40	PPBV		100
78)	CHLOROBENZENE	10.800	112	23243	0.47	PPBV		97
79)	ETHYLBENZENE	11.702	91	33535	0.41	PPBV		99
80)	M,P-XYLENE	12.135	91	53759	0.84	PPBV		89
81)	O-XYLENE	13.086	91	27429	0.43	PPBV		100
82)	STYRENE	12.873	104	19030	0.38	PPBV		99
83)	NONANE	14.214	43	18460	0.48	PPBV		93
84)	BROMOFORM	11.952	173	10507	0.32	PPBV		98
85)	1,1,2,2-TETRACHLOROETHANE	13.104	83	21028	0.48	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	13.385	75	16523	0.46	PPBV	#	99
88)	ISOPROPYLBENZENE	14.634	120	10343	0.43	PPBV		97
89)	BROMOBENZENE	14.500	77	20245	0.45	PPBV		97
90)	2-CHLOROTOLUENE	15.646	126	8992	0.41	PPBV		100
91)	N-PROPYLBENZENE	15.976	120	10288	0.41	PPBV		98
92)	4-ETHYLTOLUENE	16.262	105	38354	0.42	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.402	105	33590	0.44	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.585	118	15892	0.42	PPBV		99
95)	TERT-BUTYLBENZENE	16.823	134	8064	0.49	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	16.829	105	35640	0.49	PPBV		99
97)	BENZYL CHLORIDE	16.908	91	8452	0.23	PPBV		98
98)	M-DICHLOROBENZENE	16.884	146	24086	0.49	PPBV		99
99)	P-DICHLOROBENZENE	16.963	146	23800	0.48	PPBV		99
100)	O-DICHLOROBENZENE	17.232	146	23237	0.51	PPBV		99
101)	SEC-BUTYLBENZENE	17.079	134	9893	0.47	PPBV		95
102)	1,2,3-TRIMETHYLBENZENE	17.183	105	35624	0.47	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.244	134	11524	0.51	PPBV		97
104)	N-BUTYLBENZENE	17.567	134	9818	0.44	PPBV		94
105)	HEXACHLOROETHANE	17.731	117	8907	0.35	PPBV		94
106)	HEXACHLOROBUTADIENE	18.682	225	18773	0.48	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.402	180	18900	0.41	PPBV		99
108)	NAPHTHALENE	18.451	128	42636	0.40	PPBV		100
110)	TVHC as equiv Pentane	2.423	TIC	15922m	0.35	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03117.D
Acq On : 19 Dec 2023 10:56 pm
Operator : taylors
Sample : ic0124-0.50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:43:54 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 08:25:34 2023
Response via : Initial Calibration

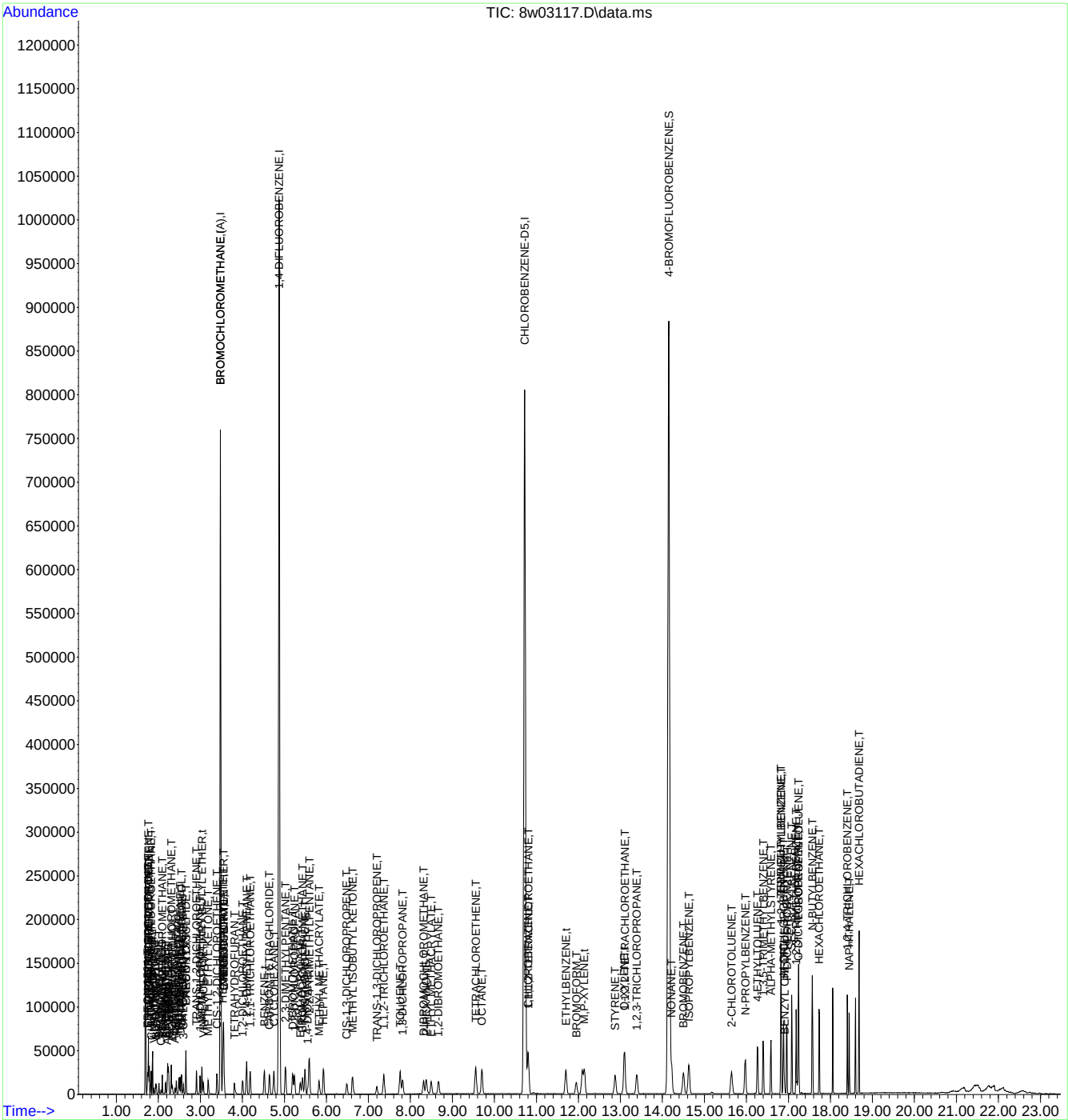
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

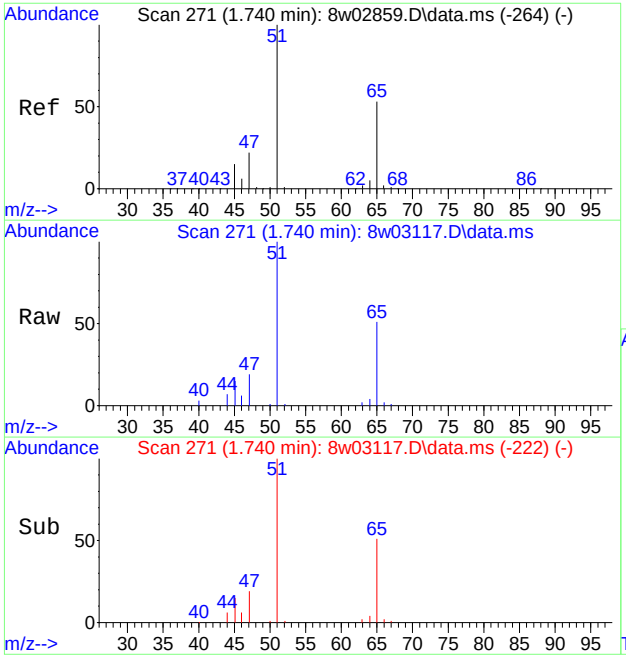
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03117.D
Acq On : 19 Dec 2023 10:56 pm
Operator : taylors
Sample : ic0124-0.50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 07:43:54 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 08:25:34 2023
Response via : Initial Calibration

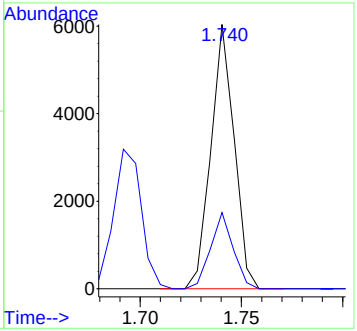


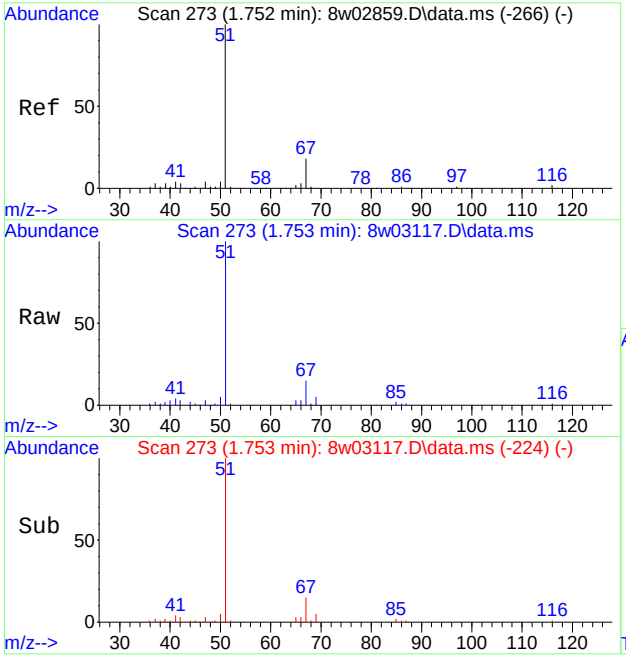


#3
FREON 152A
Concen: 0.51 PPBV
RT: 1.740 min Scan# 271
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 65 Resp: 4839

Ion	Ratio	Lower	Upper
65	100		
45	28.1	21.5	32.3

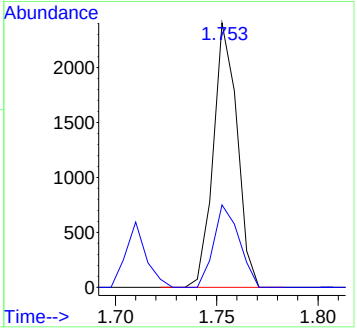


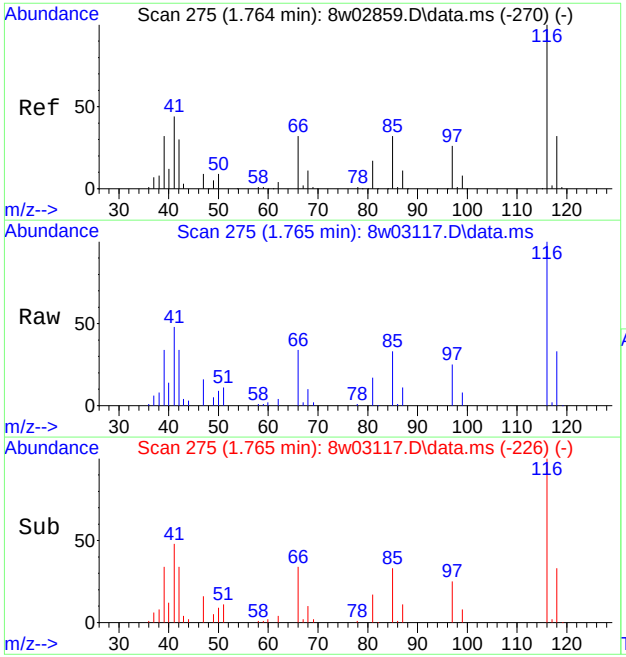


#4
CHLORODIFLUOROMETHANE
Concen: 0.47 PPBV
RT: 1.753 min Scan# 273
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 67 Resp: 1967

Ion	Ratio	Lower	Upper
67	100		
69	33.5	27.3	40.9

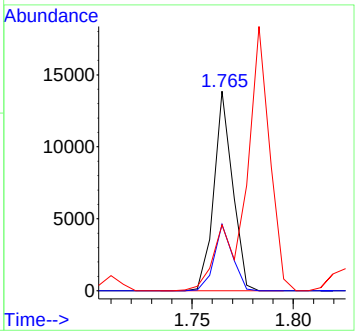


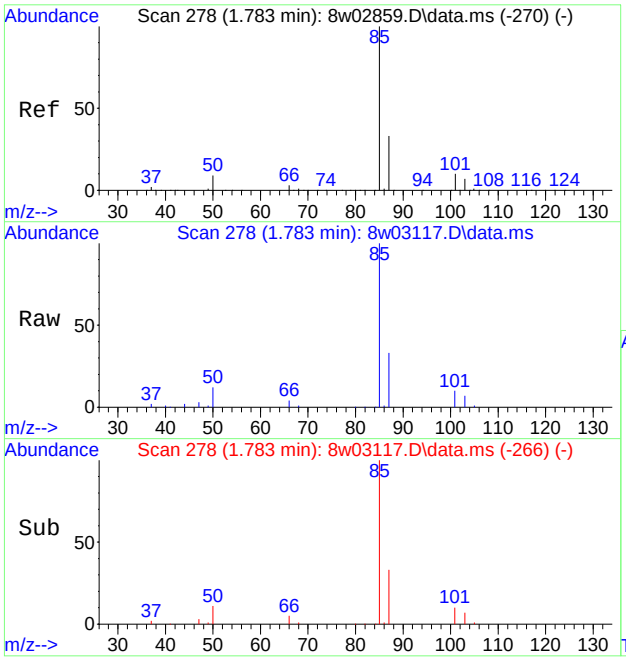


#5
CHLOROTRIFLUOROETHENE
Concen: 0.45 PPBV
RT: 1.765 min Scan# 275
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:116 Resp: 8906

Ion	Ratio	Lower	Upper
116	100		
118	32.7	26.1	39.1
85	179.8	137.4	206.2

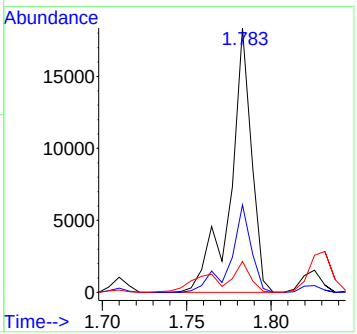


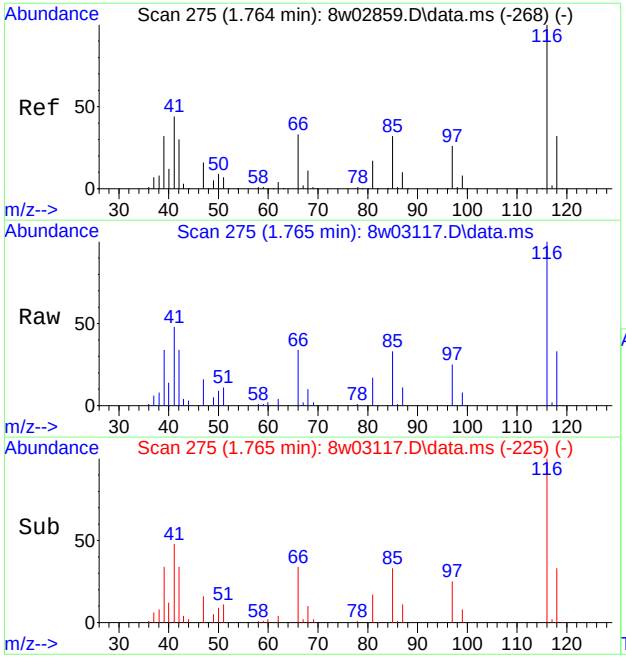


#6
DICHLORODIFLUOROMETHANE
Concen: 0.47 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 85 Resp: 16016

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.3	39.5
50	18.2	13.8	20.6

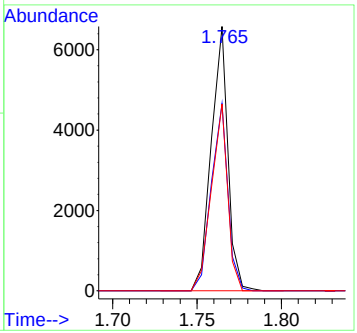


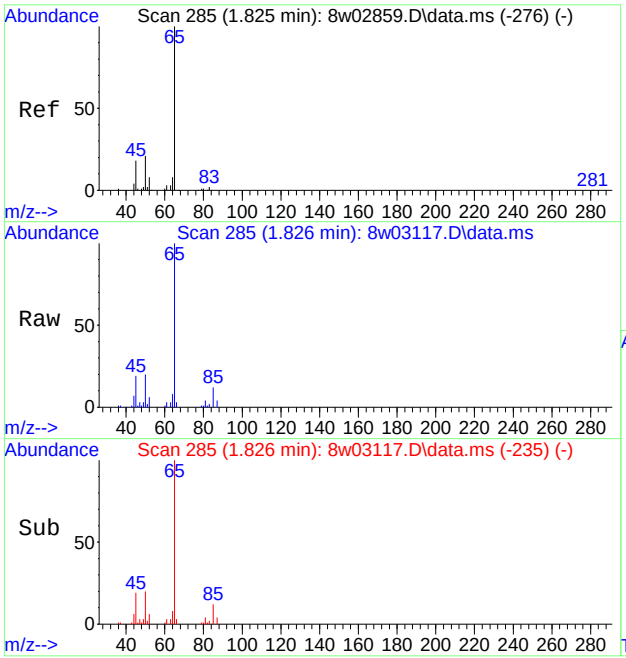


#7
PROPYLENE
Concen: 0.49 PPBV
RT: 1.765 min Scan# 275
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 41 Resp: 4509

Ion	Ratio	Lower	Upper
41	100		
39	70.7	55.8	83.6
42	68.9	53.8	80.6

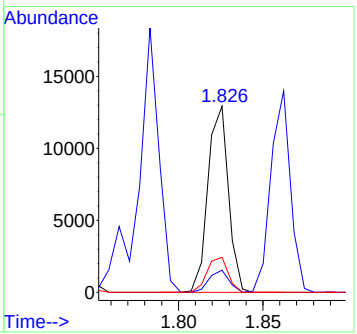


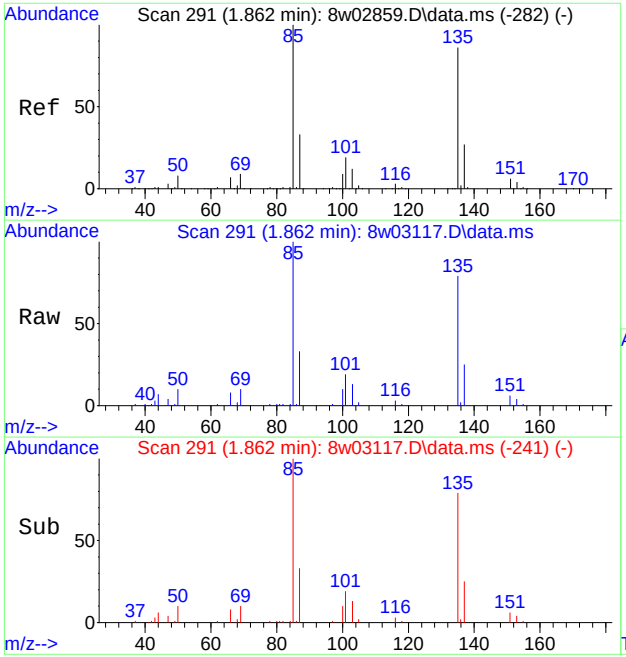


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.49 PPBV
RT: 1.826 min Scan# 285
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 65 Resp: 10915

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	19.4	15.9	23.9

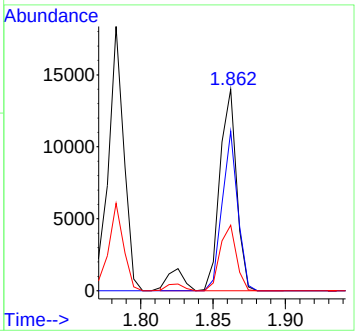


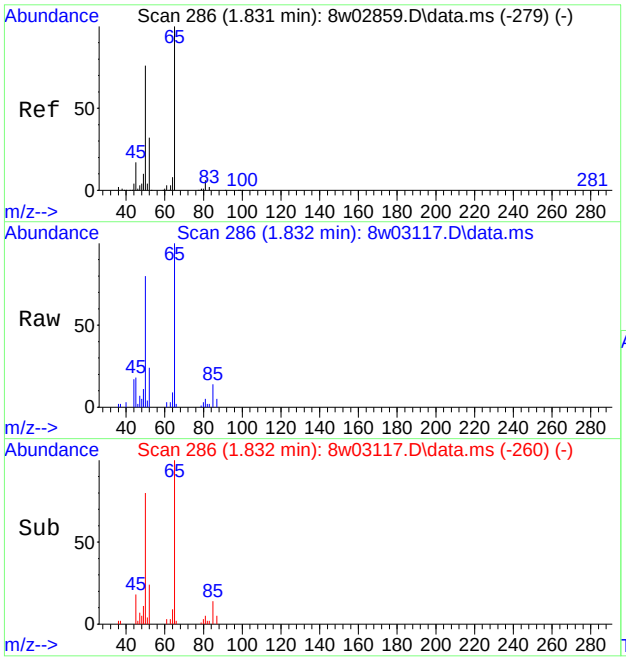


#9
FREON 114
Concen: 0.49 PPBV
RT: 1.862 min Scan# 291
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 85 Resp: 12468

Ion	Ratio	Lower	Upper
85	100		
135	66.7	54.9	82.3
87	32.3	25.8	38.8

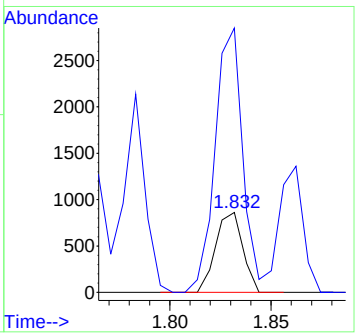


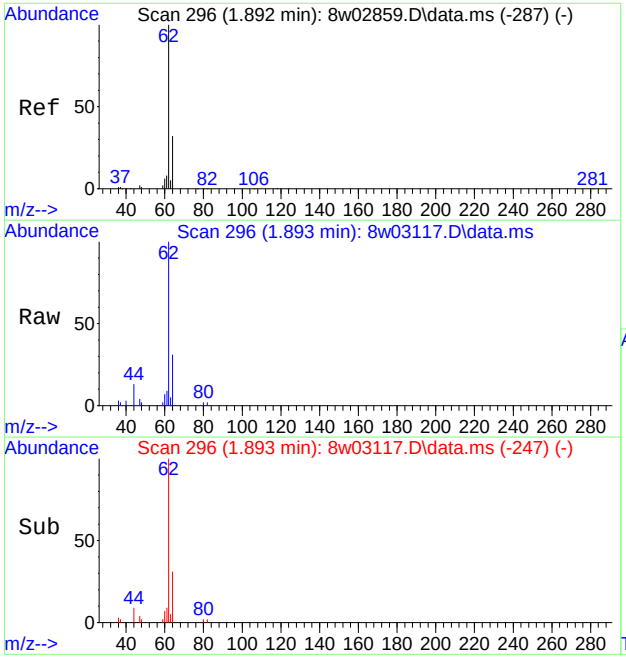


#10
CHLOROMETHANE
Concen: 0.46 PPBV
RT: 1.832 min Scan# 286
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 52 Resp: 802

Ion	Ratio	Lower	Upper
52	100		
50	476.1	358.1	537.1

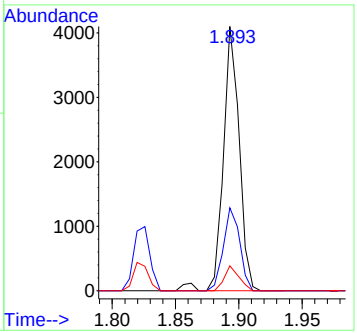


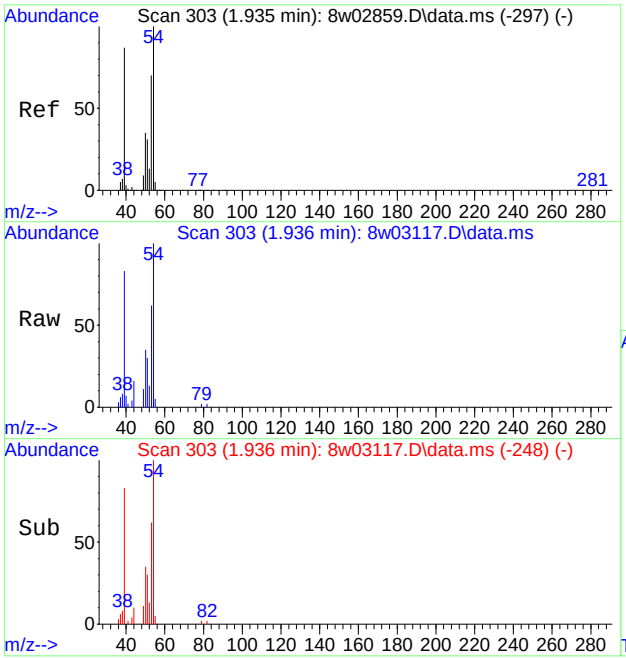


#11
VINYL CHLORIDE
Concen: 0.46 PPBV
RT: 1.893 min Scan# 296
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 62 Resp: 3581

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.9	37.3
61	0.0	7.0	10.4#

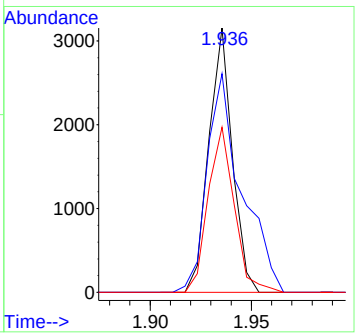


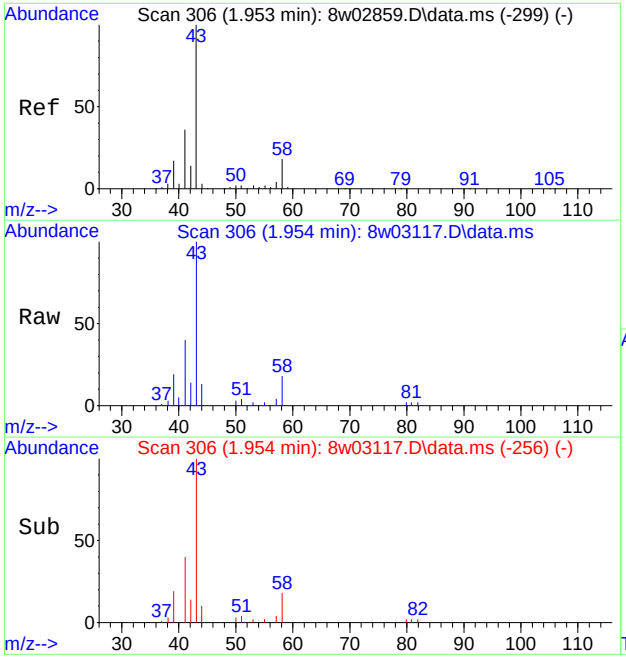


#12
1,3-BUTADIENE
Concen: 0.48 PPBV
RT: 1.936 min Scan# 303
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 54 Resp: 2557

Ion	Ratio	Lower	Upper
54	100		
39	121.0	101.6	141.6
53	69.4	51.8	91.8

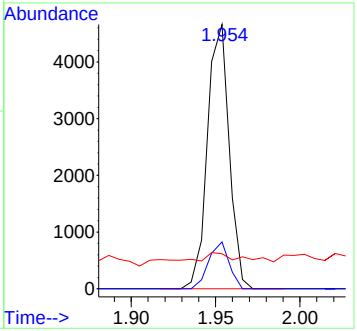


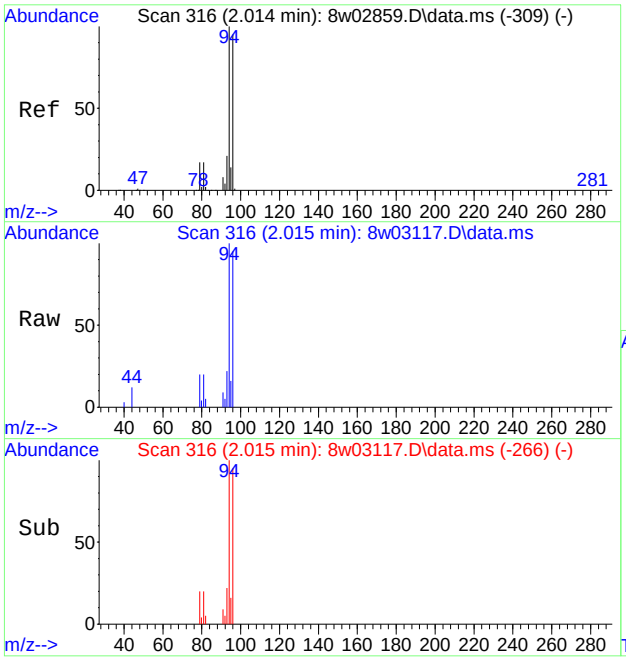


#13
N-BUTANE
Concen: 0.48 PPBV
RT: 1.954 min Scan# 306
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 43 Resp: 4173

Ion	Ratio	Lower	Upper
43	100		
58	16.7	14.2	21.4
44	14.5	2.9	4.3#

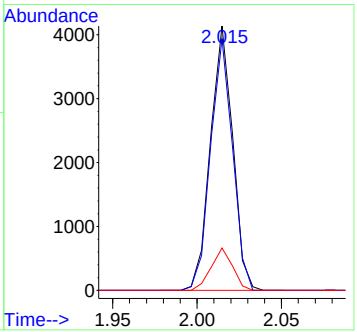


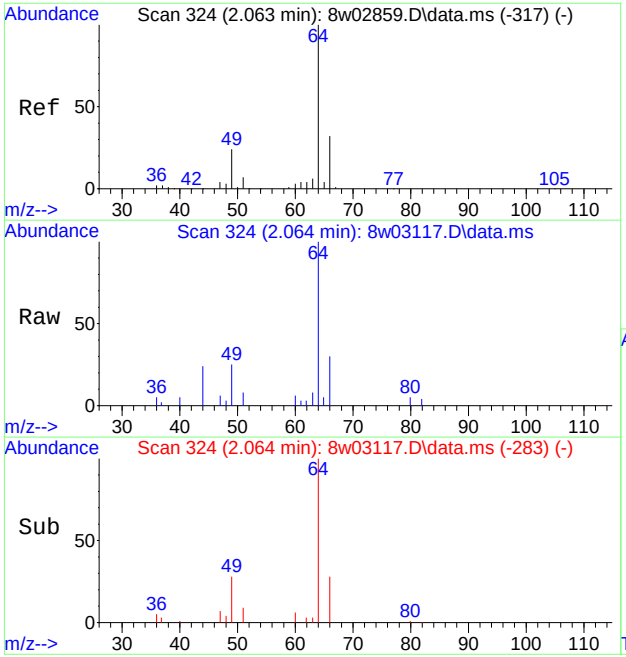


#14
BROMOMETHANE
Concen: 0.47 PPBV
RT: 2.015 min Scan# 316
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 94 Resp: 3799

Ion	Ratio	Lower	Upper
94	100		
96	94.0	76.0	114.0
95	15.4	11.5	17.3

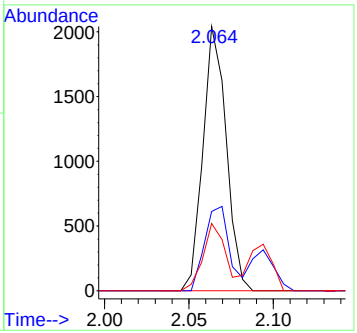


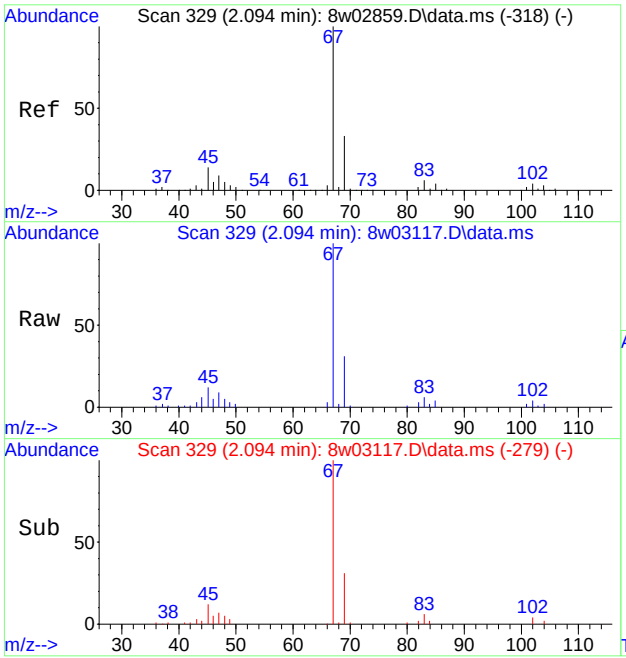


#15
CHLOROETHANE
Concen: 0.47 PPBV
RT: 2.064 min Scan# 324
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 64 Resp: 1965

Ion	Ratio	Lower	Upper
64	100		
66	49.0	36.3	54.5
49	42.5	33.8	50.8

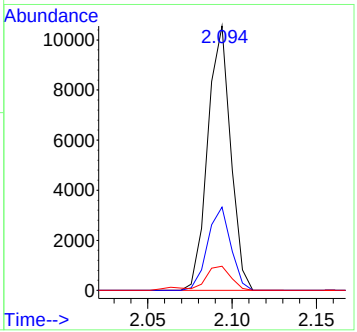


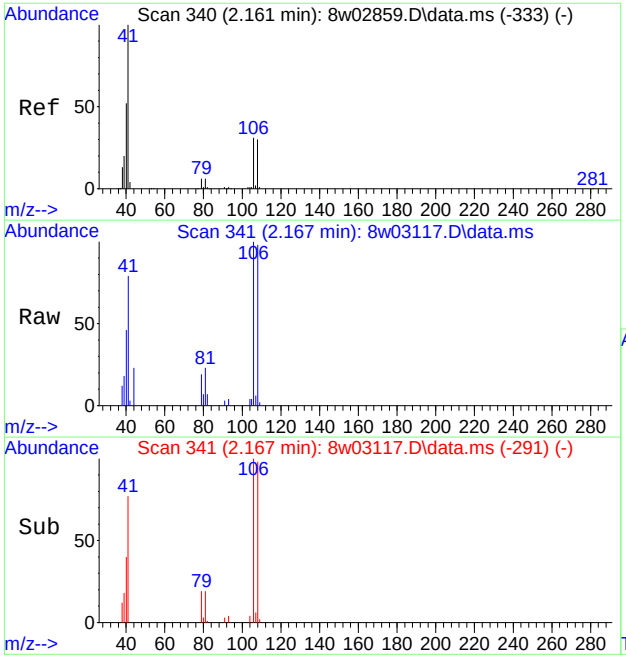


#16
DICHLOROFLUOROMETHANE
Concen: 0.49 PPBV
RT: 2.094 min Scan# 329
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 67 Resp: 9954

Ion	Ratio	Lower	Upper
67	100		
69	32.0	25.7	38.5
47	10.9	8.7	13.1

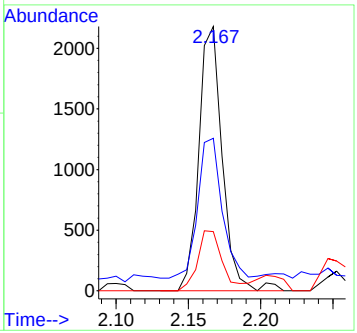


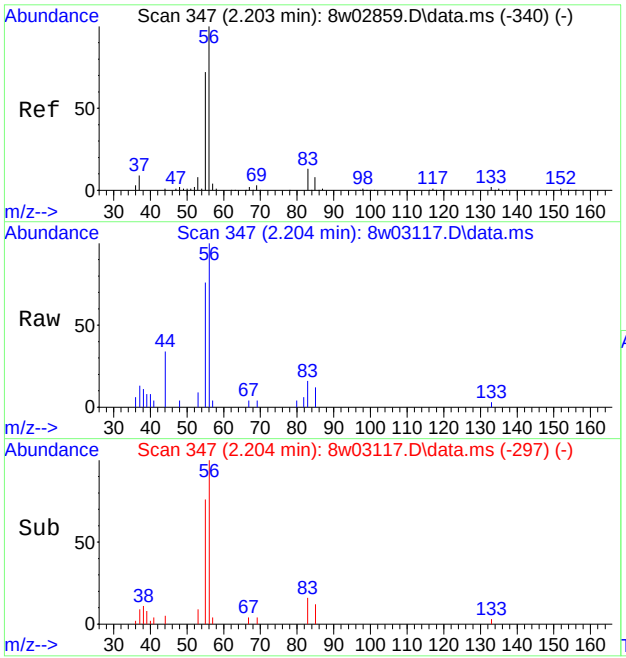


#17
ACETONITRILE
Concen: 0.50 PPBV
RT: 2.167 min Scan# 341
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 41 Resp: 2464

Ion	Ratio	Lower	Upper
41	100		
40	63.2	43.3	64.9
39	24.7	17.8	26.6

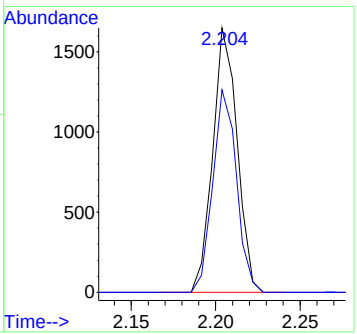


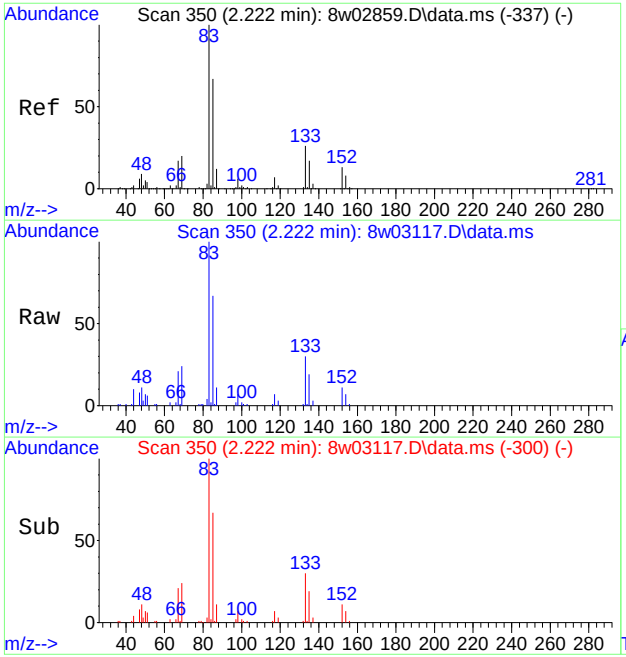


#18
ACROLEIN
Concen: 0.48 PPBV
RT: 2.204 min Scan# 347
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 56 Resp: 1660

Ion	Ratio	Lower	Upper
56	100		
55	74.3	57.2	85.8

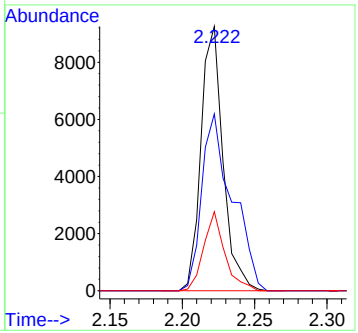


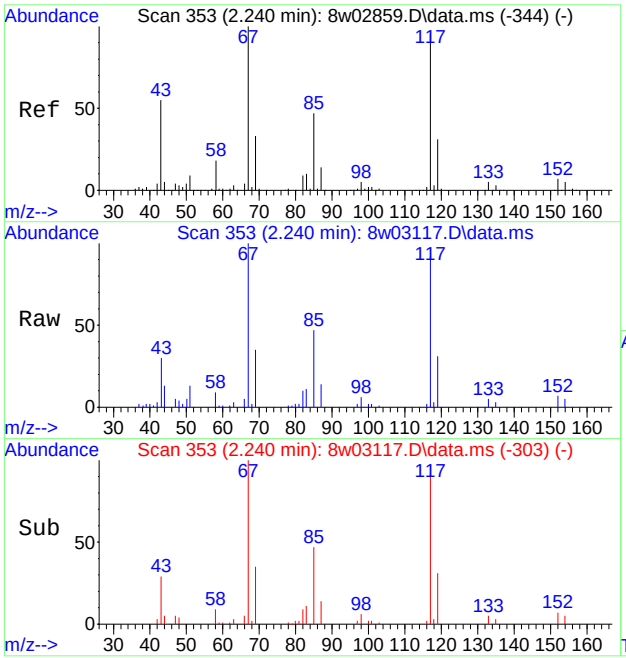


#19
FREON 123
Concen: 0.48 PPBV
RT: 2.222 min Scan# 350
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 83 Resp: 9829

Ion	Ratio	Lower	Upper
83	100		
85	92.4	73.7	110.5
133	28.7	22.6	34.0

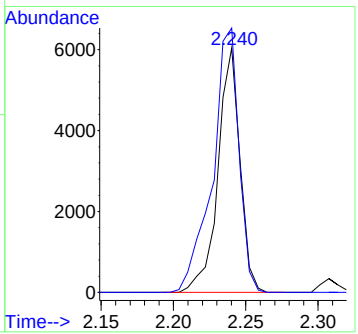


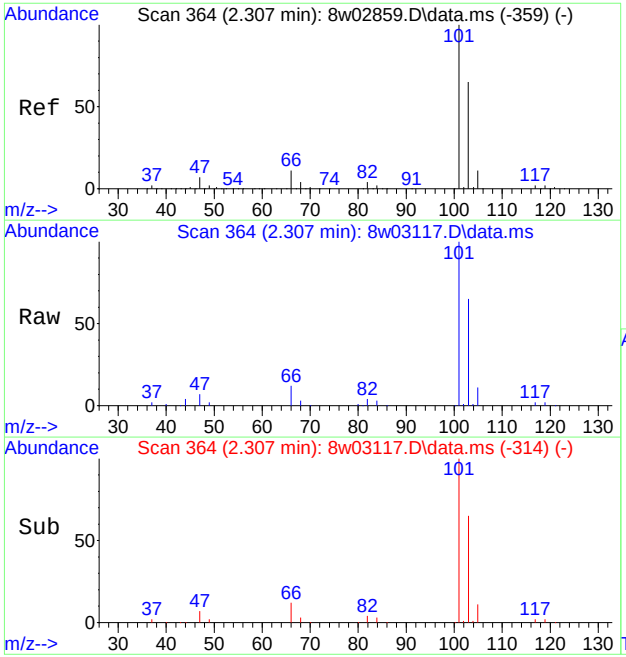


#20
FREON 123A
Concen: 0.48 PPBV
RT: 2.240 min Scan# 353
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:117 Resp: 6407

Ion	Ratio	Lower	Upper
117	100		
67	130.2	103.7	155.5

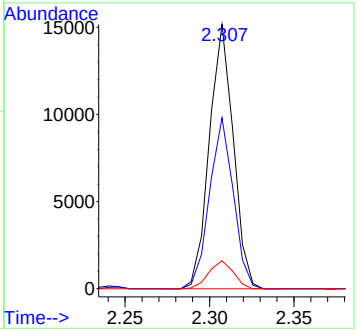


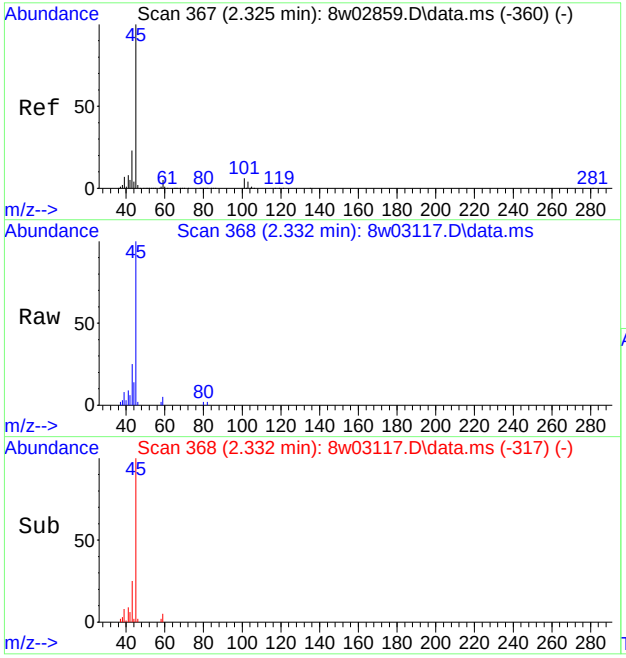


#21
TRICHLOROFLUOROMETHANE
Concen: 0.48 PPBV
RT: 2.307 min Scan# 364
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:101 Resp: 15012

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.0	78.0
105	11.0	8.3	12.5

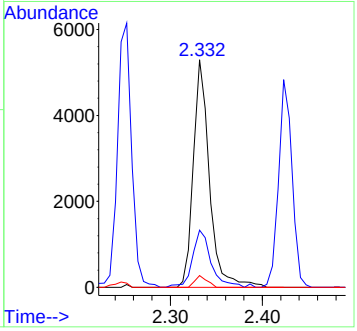


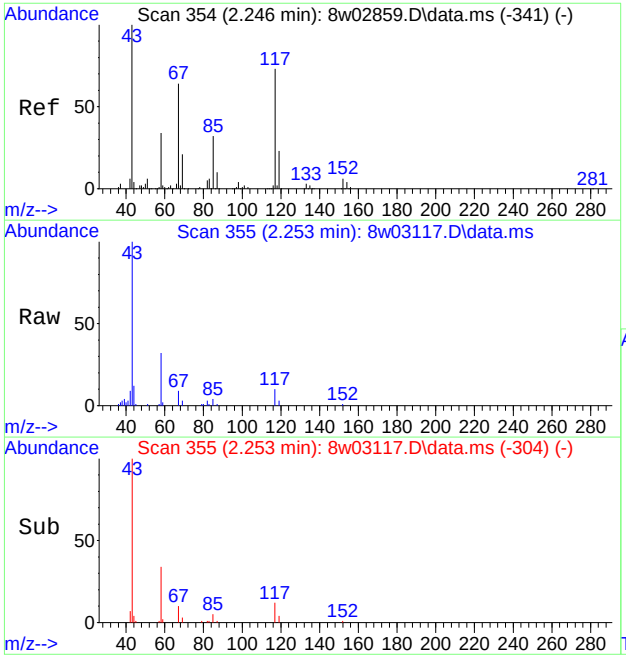


#22
ISOPROPYL ALCOHOL
Concen: 0.48 PPBV
RT: 2.332 min Scan# 368
Delta R.T. 0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 45 Resp: 6478

Ion	Ratio	Lower	Upper
45	100		
43	28.6	18.8	28.2#
59	0.0	3.8	5.6#

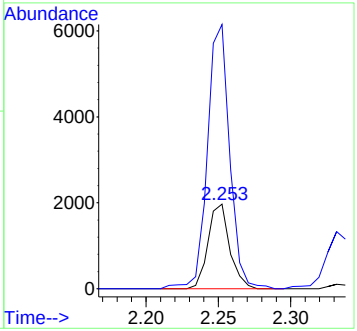


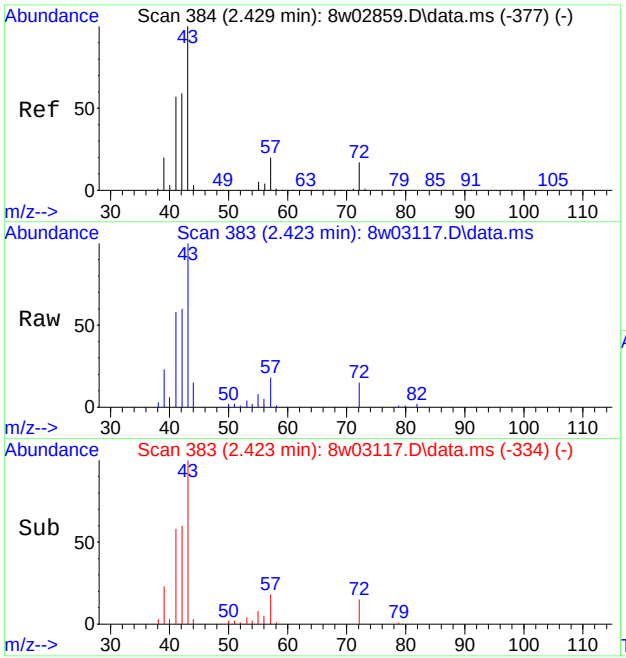


#23
ACETONE
Concen: 0.57 PPBV
RT: 2.253 min Scan# 355
Delta R.T. 0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 58 Resp: 2064

Ion	Ratio	Lower	Upper
58	100		
43	319.9	261.4	392.2

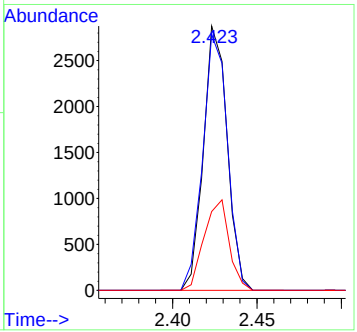


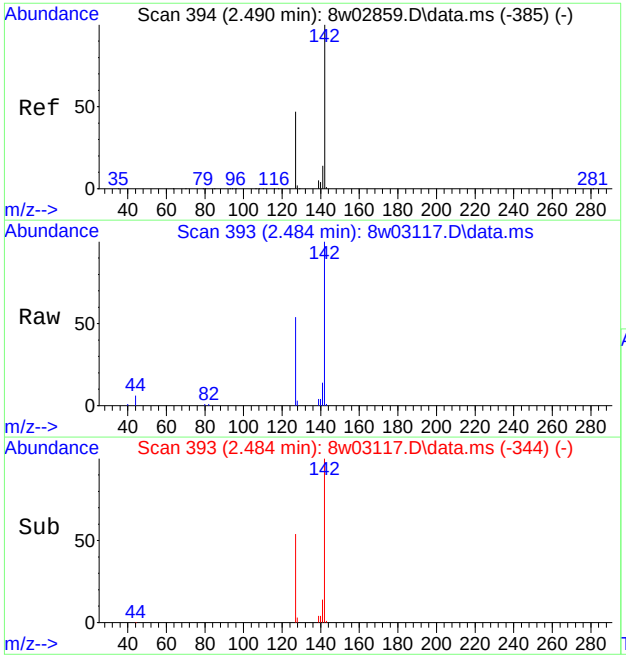


#24
PENTANE
Concen: 0.48 PPBV
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 42 Resp: 2822

Ion	Ratio	Lower	Upper
42	100		
41	101.0	84.2	126.4
57	36.2	28.9	43.3

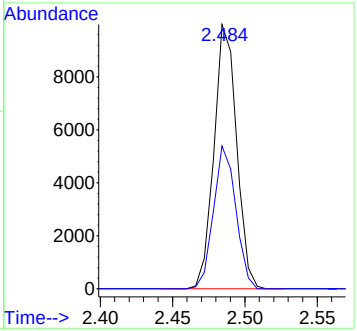


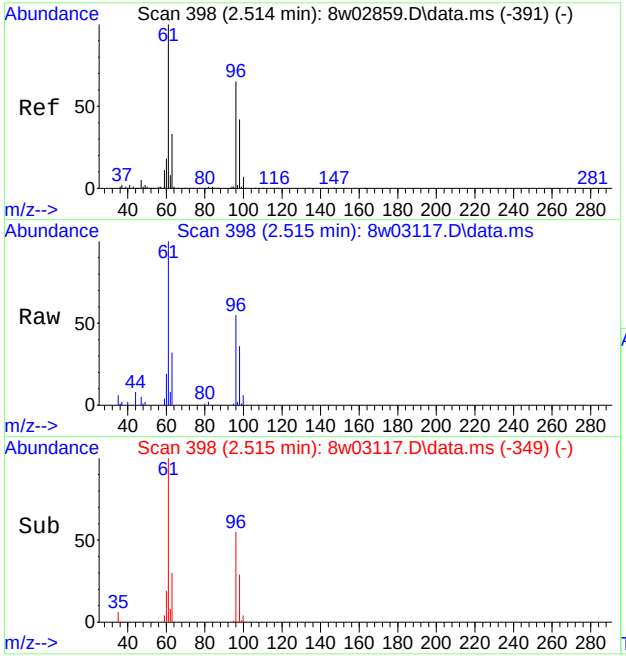


#25
IODOMETHANE
Concen: 0.46 PPBV
RT: 2.484 min Scan# 393
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:142 Resp: 10895

Ion	Ratio	Lower	Upper
142	100		
127	53.3	41.2	61.8

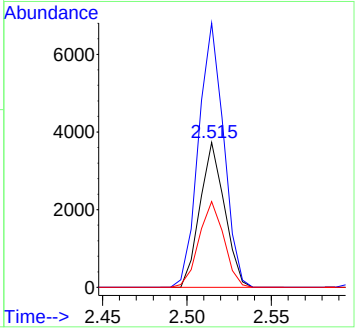


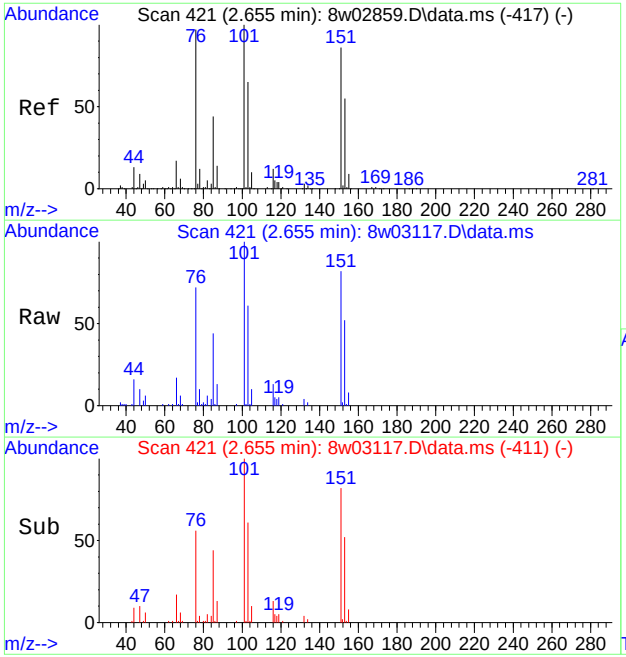


#26
1,1-DICHLOROETHYLENE
Concen: 0.46 PPBV
RT: 2.515 min Scan# 398
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 96 Resp: 3787

Ion	Ratio	Lower	Upper
96	100		
61	186.2	141.9	212.9
63	60.1	47.2	70.8

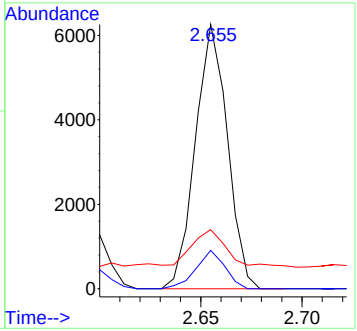


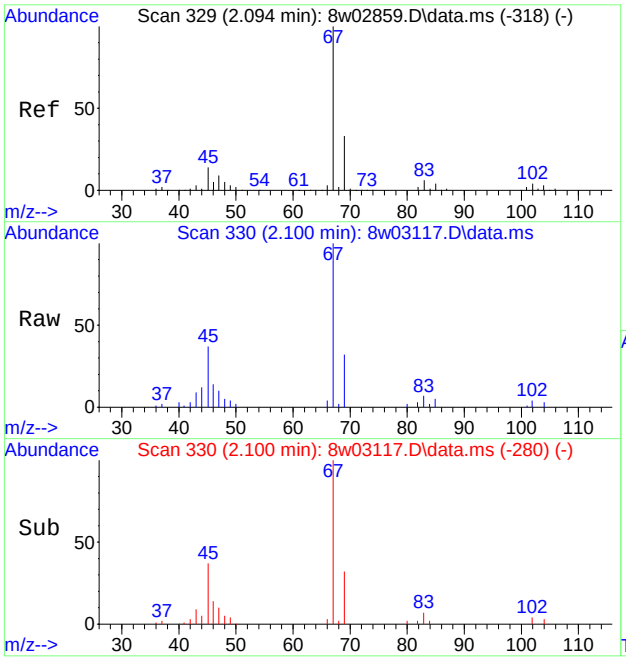


#27
CARBON DISULFIDE
Concen: 0.39 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 76 Resp: 6895

Ion	Ratio	Lower	Upper
76	100		
78	13.2	9.8	14.8
44	15.3	11.3	16.9

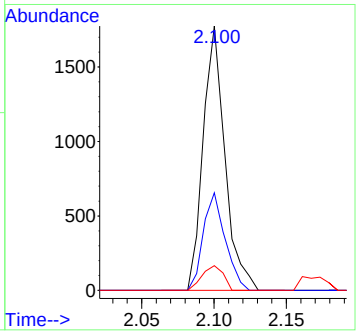


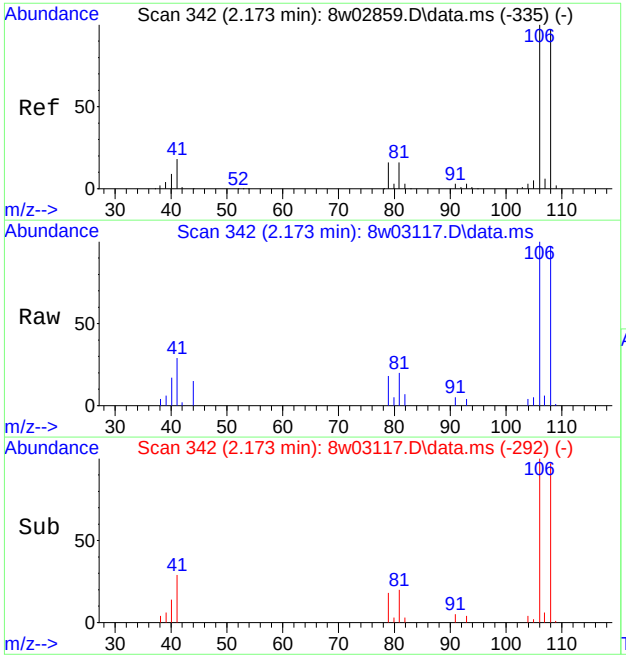


#28
ETHANOL
Concen: 0.63 PPBV
RT: 2.100 min Scan# 330
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 45 Resp: 1857

Ion	Ratio	Lower	Upper
45	100		
46	37.2	30.1	45.1
42	0.0	8.3	12.5#

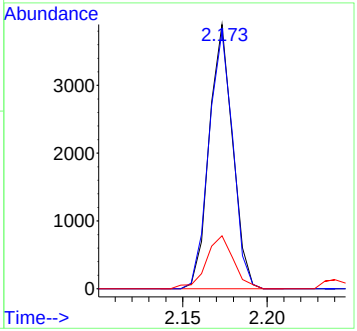


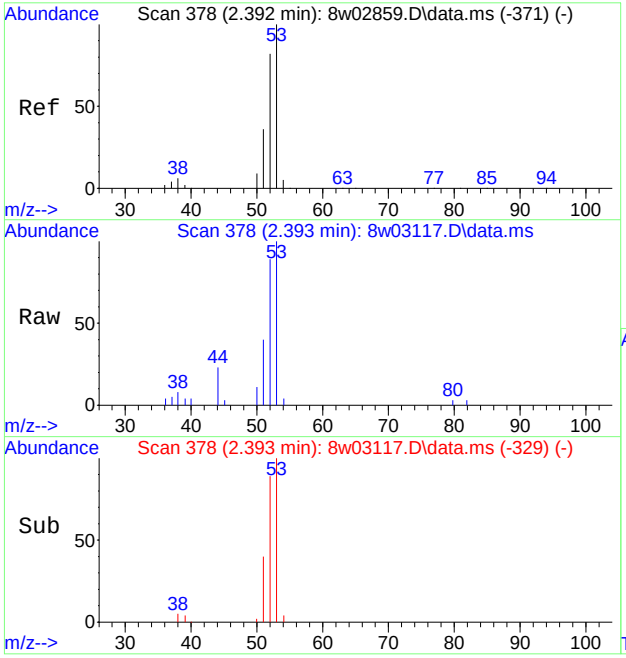


#29
BROMOETHENE
Concen: 0.45 PPBV
RT: 2.173 min Scan# 342
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:106 Resp: 3771

Ion	Ratio	Lower	Upper
106	100		
108	99.2	74.6	111.8
81	23.4	14.5	21.7#

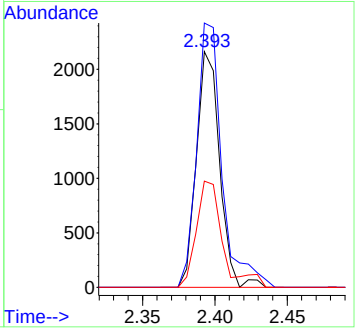


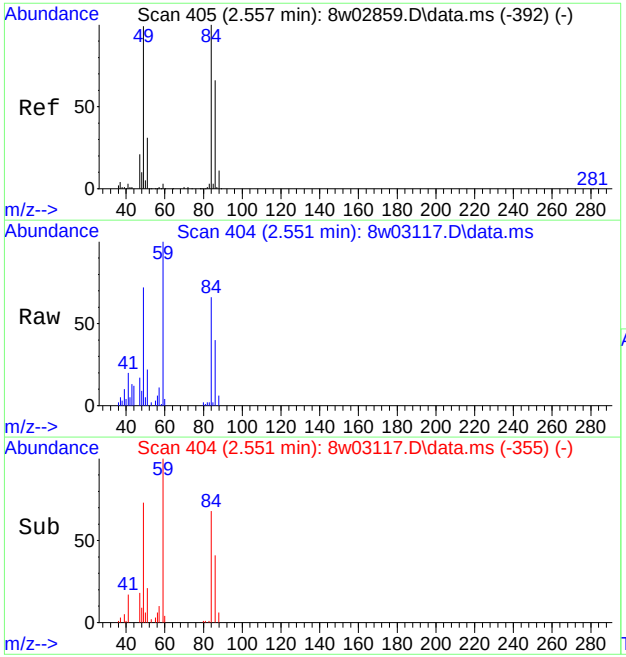


#30
ACRYLONITRILE
Concen: 0.50 PPBV
RT: 2.393 min Scan# 378
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 52 Resp: 2422

Ion	Ratio	Lower	Upper
52	100		
53	121.8	99.6	149.4
51	50.5	40.1	60.1

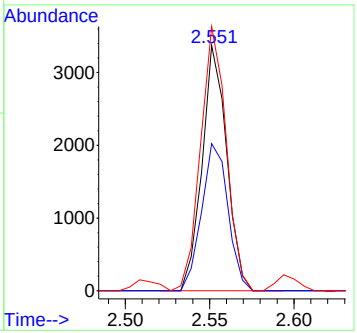


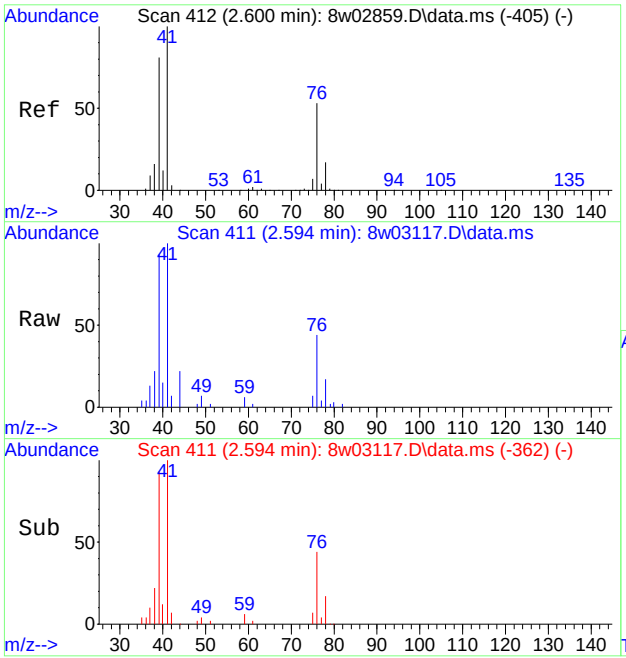


#31
METHYLENE CHLORIDE
Concen: 0.48 PPBV
RT: 2.551 min Scan# 404
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 84 Resp: 3421

Ion	Ratio	Lower	Upper
84	100		
86	64.4	51.0	76.4
49	117.0	92.1	138.1

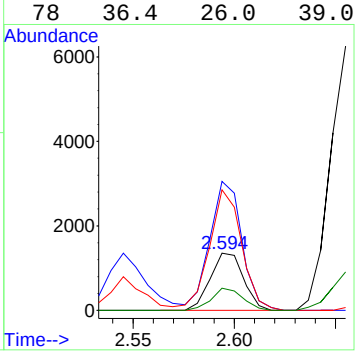


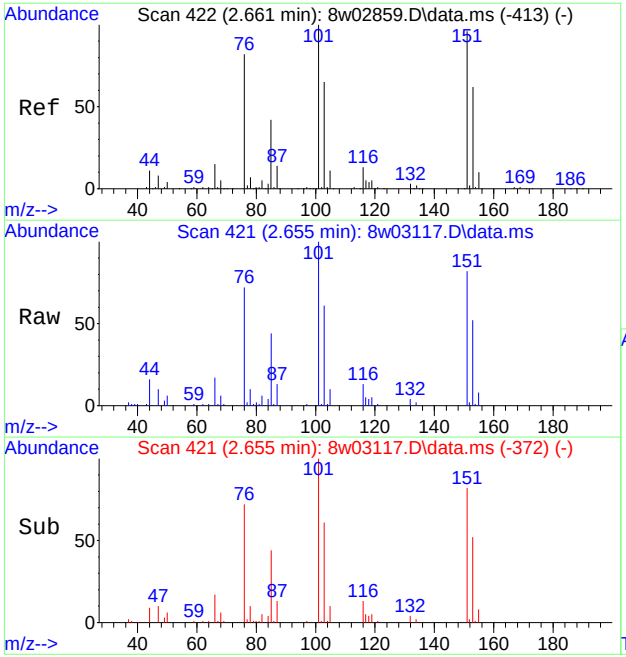


#32
3-CHLOROPROPENE
Concen: 0.43 PPBV
RT: 2.594 min Scan# 411
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 76 Resp: 1547

Ion	Ratio	Lower	Upper
76	100		
41	218.0	170.6	256.0
39	207.0	151.0	226.4
78	36.4	26.0	39.0

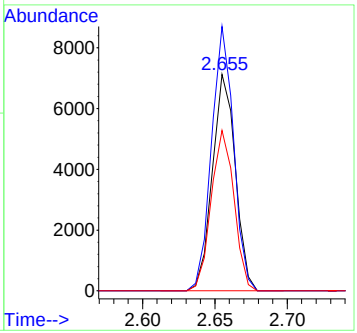


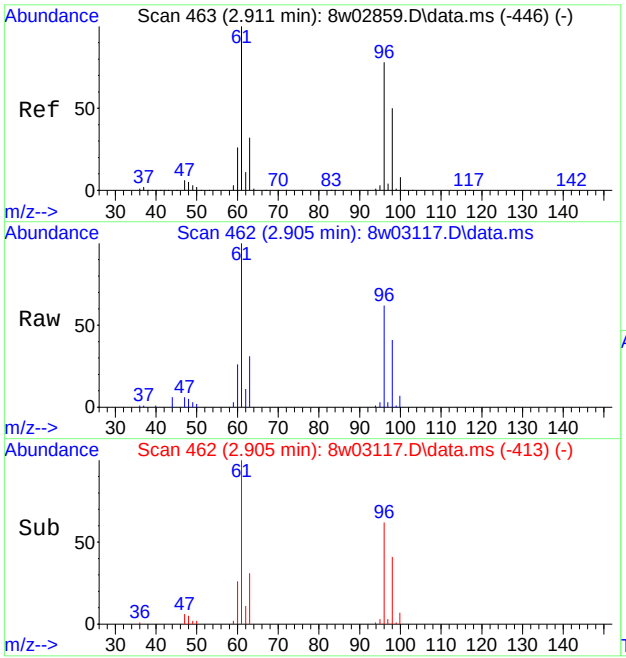


#33
FREON 113
Concen: 0.48 PPBV
RT: 2.655 min Scan# 421
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:151 Resp: 7898

Ion	Ratio	Lower	Upper
151	100		
101	116.9	89.6	134.4
103	73.4	58.4	87.6

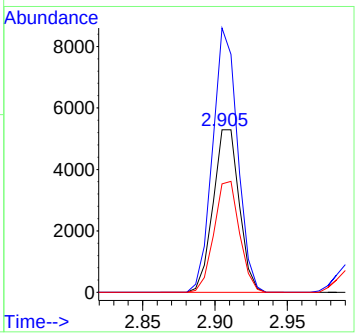


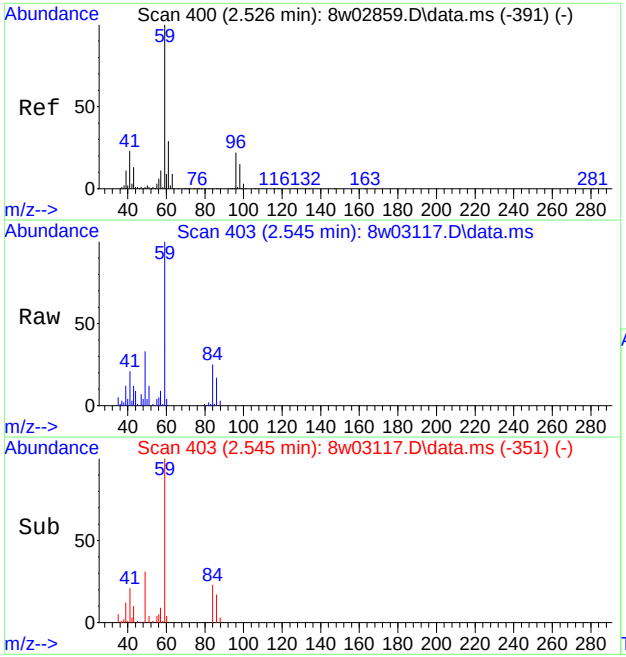


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.47 PPBV
RT: 2.905 min Scan# 462
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 96 Resp: 6669

Ion	Ratio	Lower	Upper
96	100		
61	154.6	120.8	181.2
98	66.8	51.0	76.4

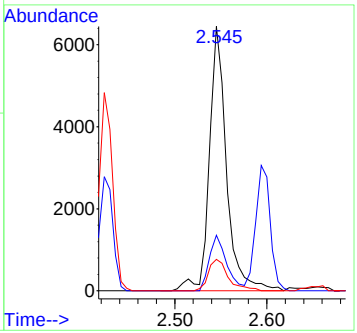


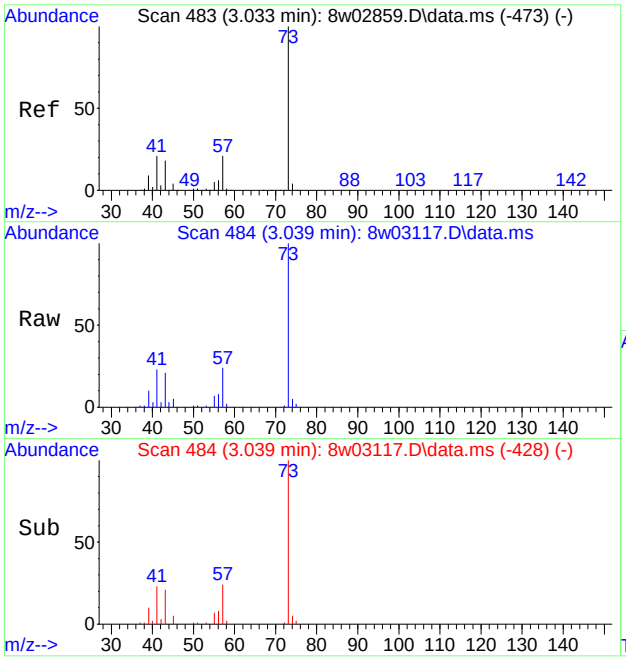


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.47 PPBV
RT: 2.545 min Scan# 403
Delta R.T. 0.018 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 59 Resp: 8358

Ion	Ratio	Lower	Upper
59	100		
41	20.8	16.1	24.1
43	13.8	10.2	15.4

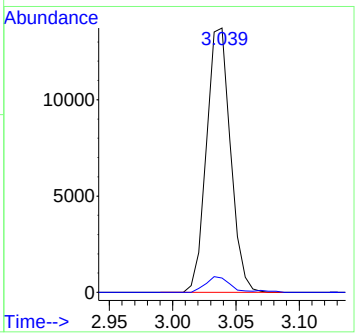


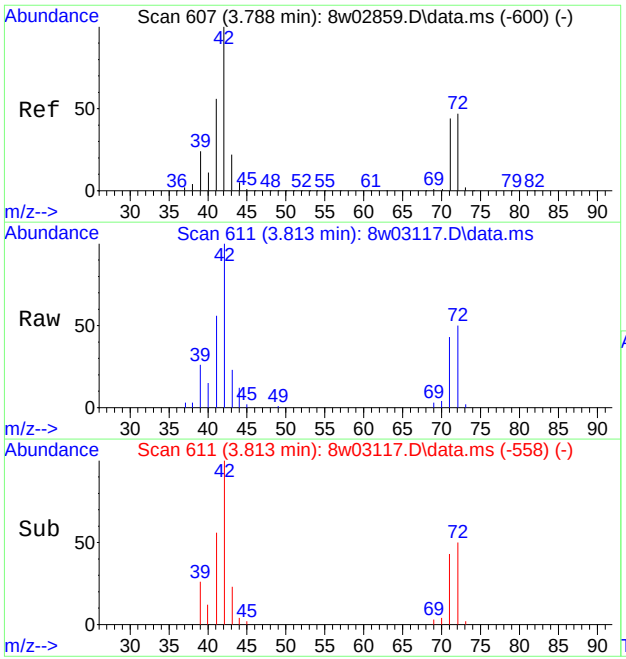


#36
METHYL TERTIARY BUTYL ETHER
Concen: 0.43 PPBV
RT: 3.039 min Scan# 484
Delta R.T. 0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 73 Resp: 18015

Ion	Ratio	Lower	Upper
73	100		
45	6.4	4.7	7.1

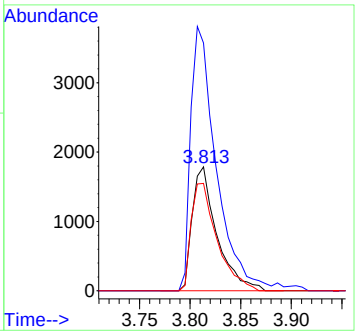


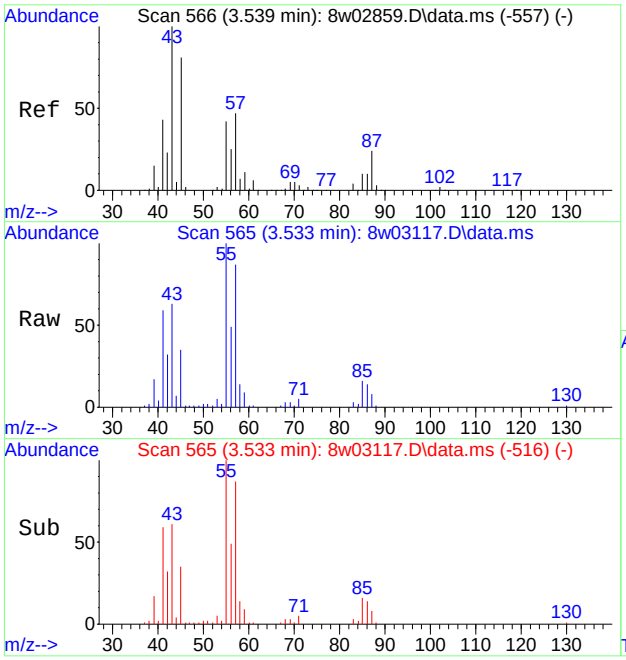


#37
TETRAHYDROFURAN
Concen: 0.41 PPBV
RT: 3.813 min Scan# 611
Delta R.T. 0.024 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 72 Resp: 3032

Ion	Ratio	Lower	Upper
72	100		
42	224.9	170.8	256.2
71	90.9	74.3	111.5

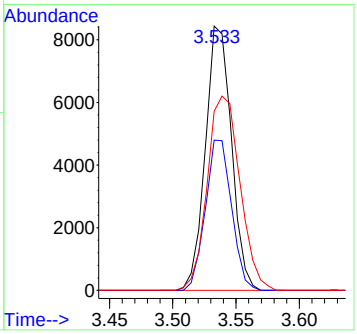


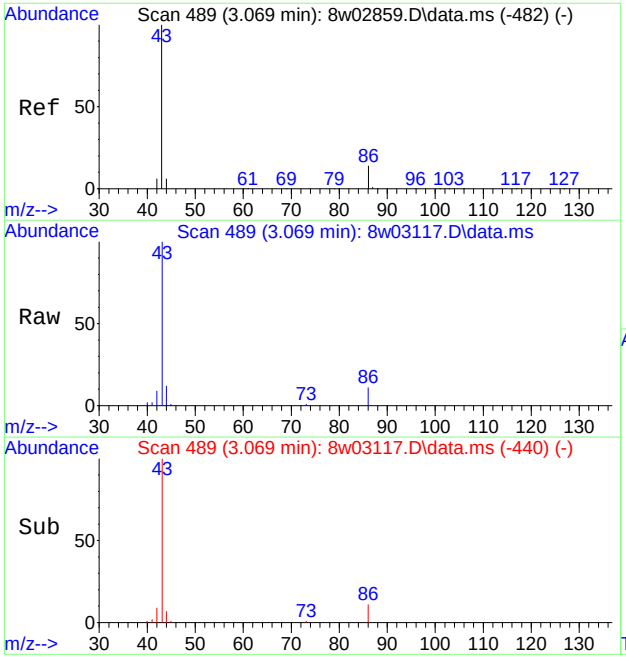


#38
HEXANE
Concen: 0.50 PPBV
RT: 3.533 min Scan# 565
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 57 Resp: 12053

Ion	Ratio	Lower	Upper
57	100		
56	57.0	43.8	65.8
41	92.5	72.2	108.4

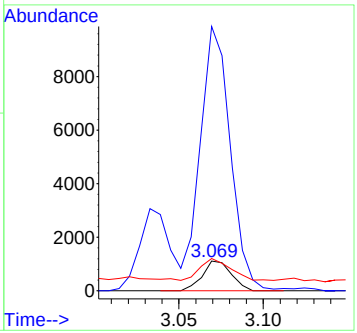


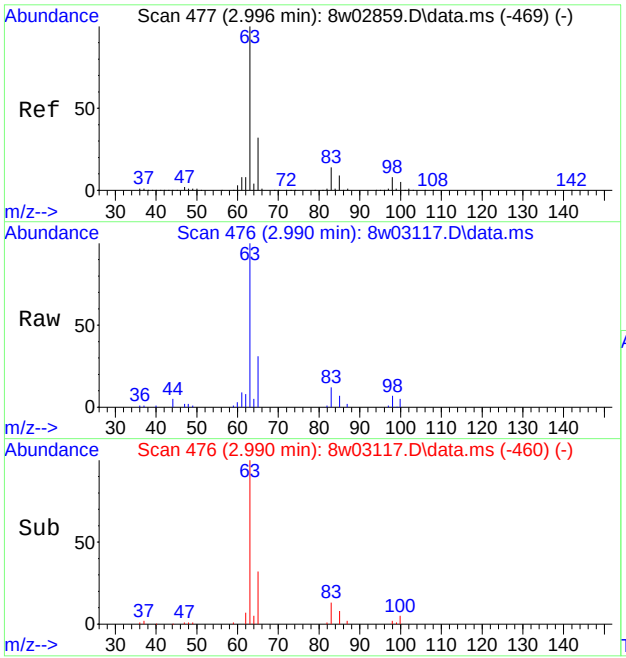


#39
VINYL ACETATE
Concen: 0.33 PPBV
RT: 3.069 min Scan# 489
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 86 Resp: 1329

Ion	Ratio	Lower	Upper
86	100		
43	1220.0	860.3	1290.5
44	104.1	44.2	66.2#

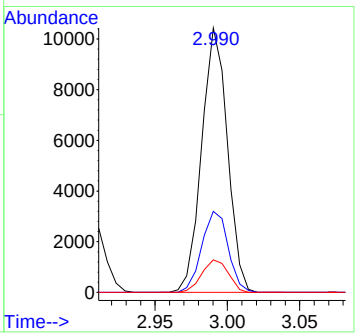


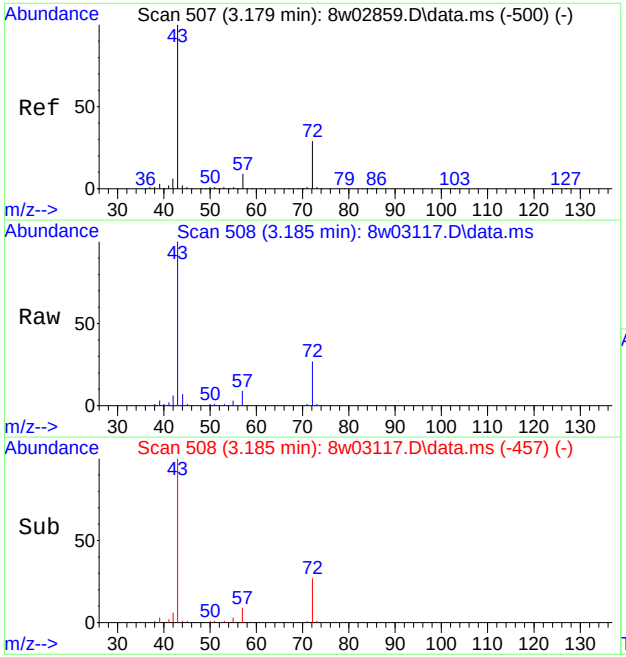


#40
1,1-DICHLOROETHANE
Concen: 0.48 PPBV
RT: 2.990 min Scan# 476
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 63 Resp: 12890

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.4
83	12.7	10.5	15.7

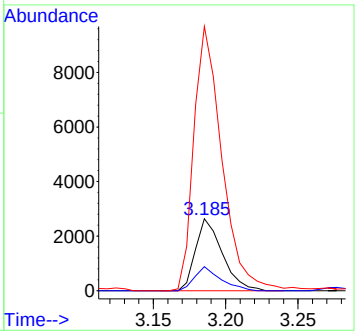


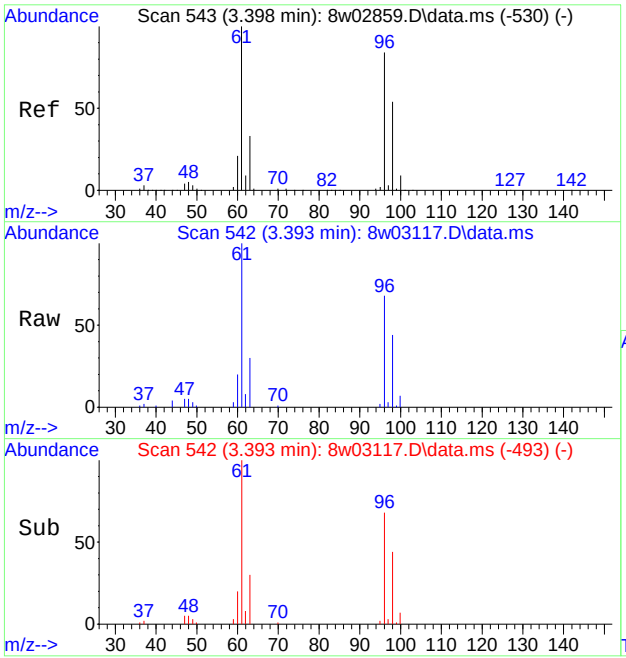


#41
METHYL ETHYL KETONE
Concen: 0.44 PPBV
RT: 3.185 min Scan# 508
Delta R.T. 0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 72 Resp: 3407

Ion	Ratio	Lower	Upper
72	100		
57	32.5	27.8	41.8
43	391.4	292.3	438.5

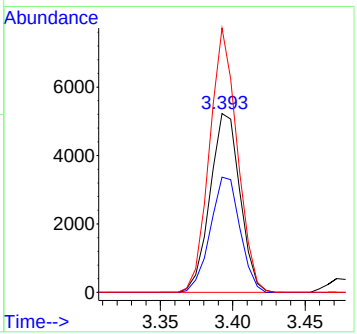


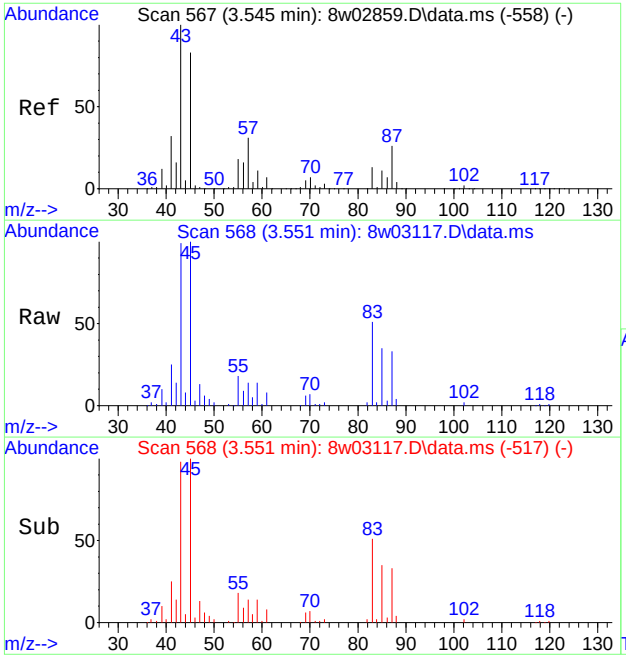


#42
CIS-1,2-DICHLOROETHENE
Concen: 0.45 PPBV
RT: 3.393 min Scan# 542
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 96 Resp: 7553

Ion	Ratio	Lower	Upper
96	100		
98	63.9	50.9	76.3
61	136.6	109.1	163.7

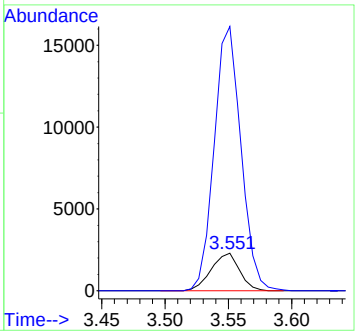


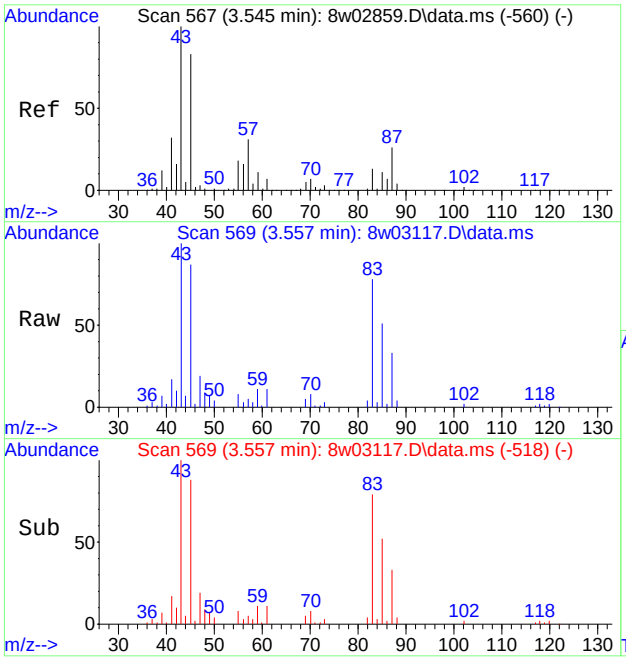


#43
DIISOPROPYL ETHER
Concen: 0.50 PPBV
RT: 3.551 min Scan# 568
Delta R.T. 0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 59 Resp: 3589

Ion	Ratio	Lower	Upper
59	100		
45	663.4	517.9	776.9

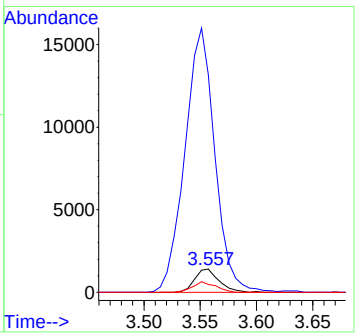


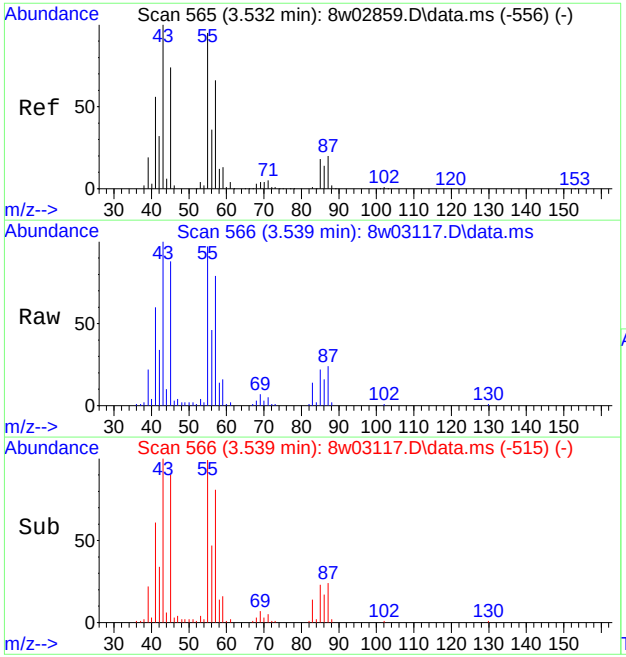


#44
ETHYL ACETATE
Concen: 0.47 PPBV
RT: 3.557 min Scan# 569
Delta R.T. 0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 61 Resp: 2127

Ion	Ratio	Lower	Upper
61	100		
43	1398.0	1039.8	1559.8
88	43.6	37.8	56.8

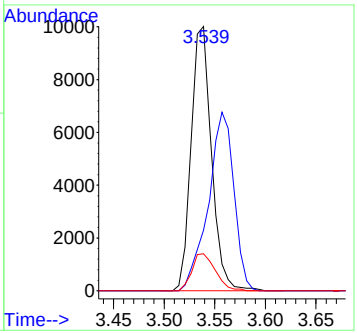


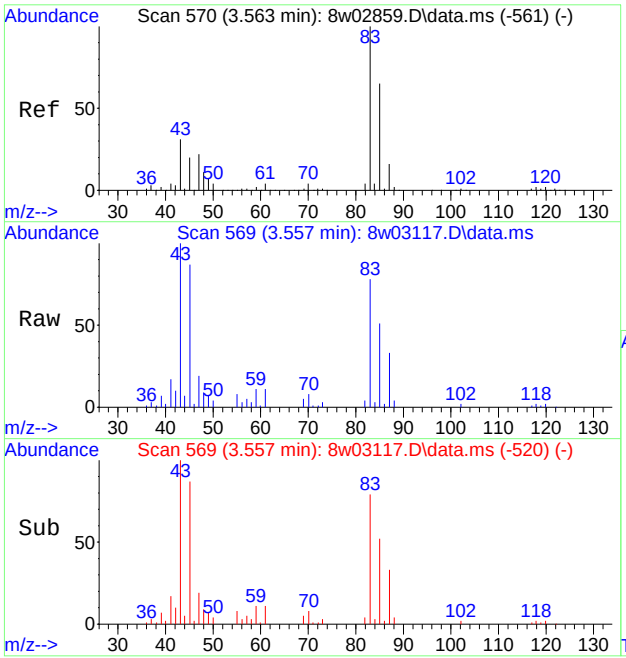


#45
METHYL ACRYLATE
Concen: 0.48 PPBV
RT: 3.539 min Scan# 566
Delta R.T. 0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 55 Resp: 14029

Ion	Ratio	Lower	Upper
55	100		
85	85.0	0.0	0.0#
58	16.2	11.5	17.3

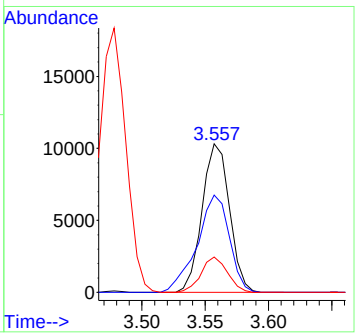


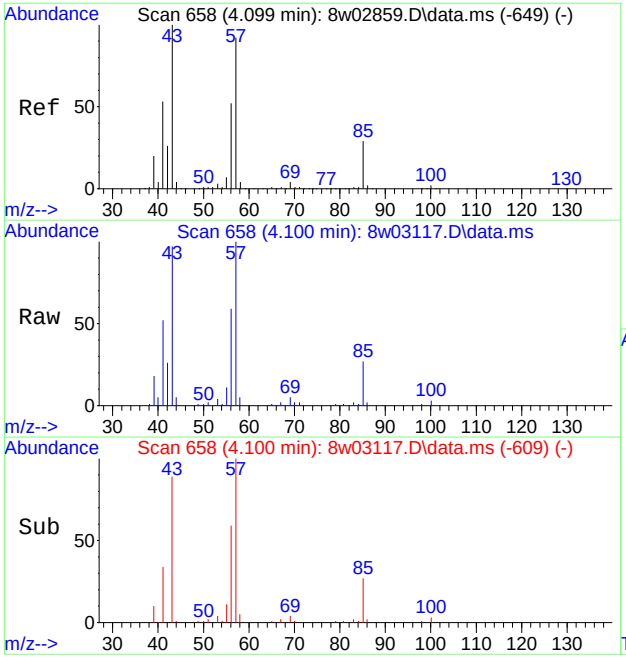


#46
CHLOROFORM
Concen: 0.49 PPBV
RT: 3.557 min Scan# 569
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 83 Resp: 15479

Ion	Ratio	Lower	Upper
83	100		
85	77.0	63.4	95.2
47	23.0	18.5	27.7

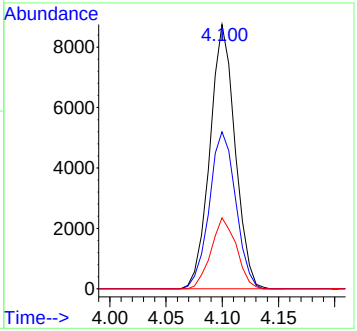


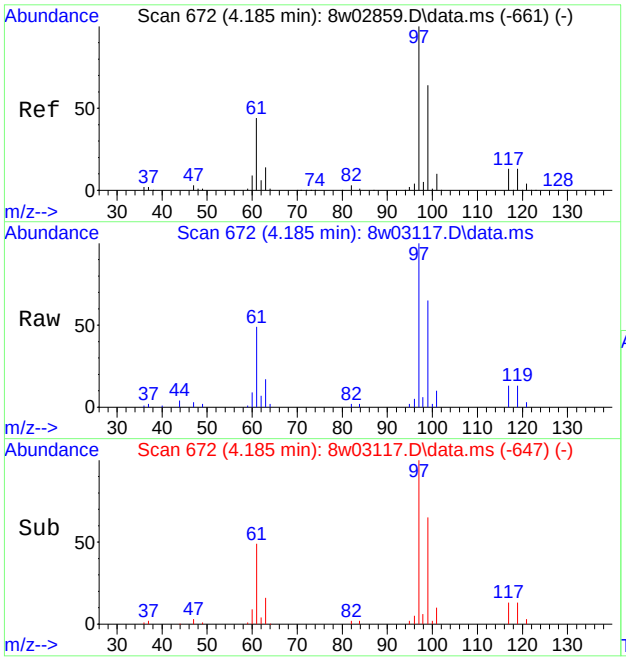


#47
2,4-DIMETHYLPENTANE
Concen: 0.44 PPBV
RT: 4.100 min Scan# 658
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 57 Resp: 13660

Ion	Ratio	Lower	Upper
57	100		
56	62.4	44.2	66.4
85	27.0	22.3	33.5

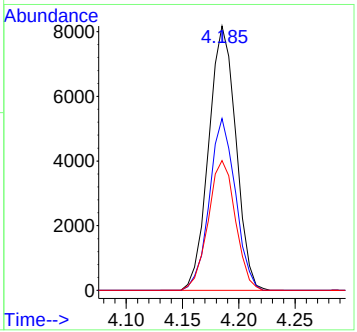


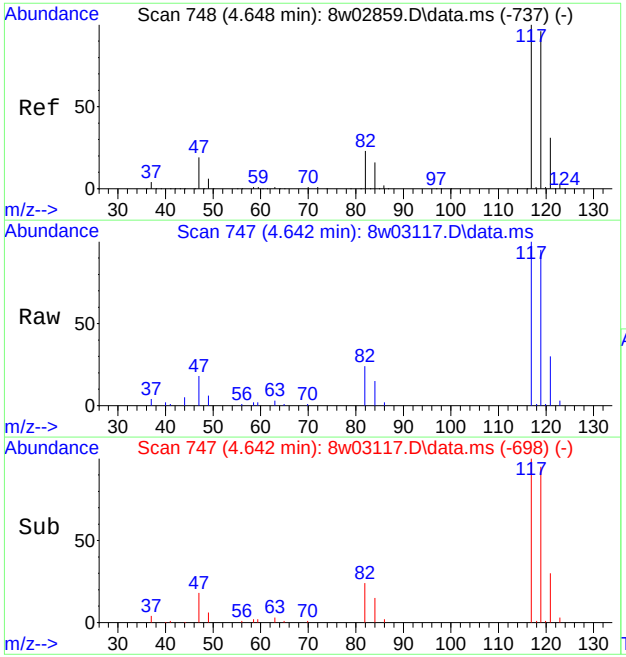


#48
1,1,1-TRICHLOROETHANE
Concen: 0.41 PPBV
RT: 4.185 min Scan# 672
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 97 Resp: 13797

Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.3	76.9
61	49.1	35.8	53.6

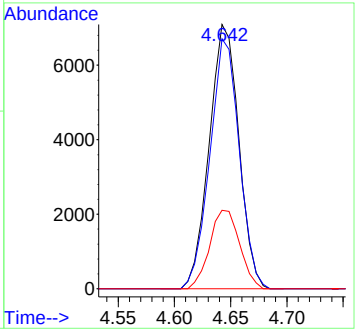


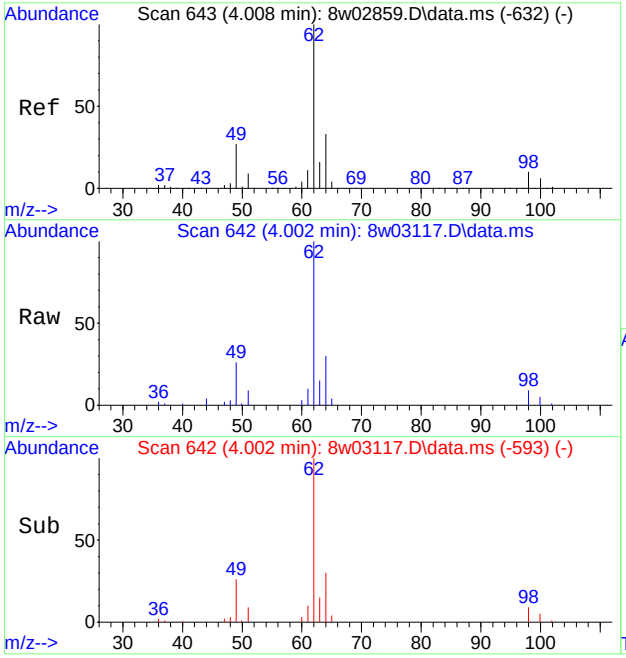


#49
CARBON TETRACHLORIDE
Concen: 0.38 PPBV
RT: 4.642 min Scan# 747
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:117 Resp: 13018

Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.2	114.2
121	30.1	24.4	36.6

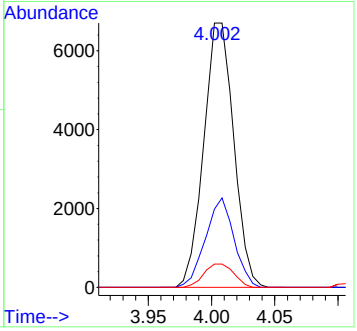


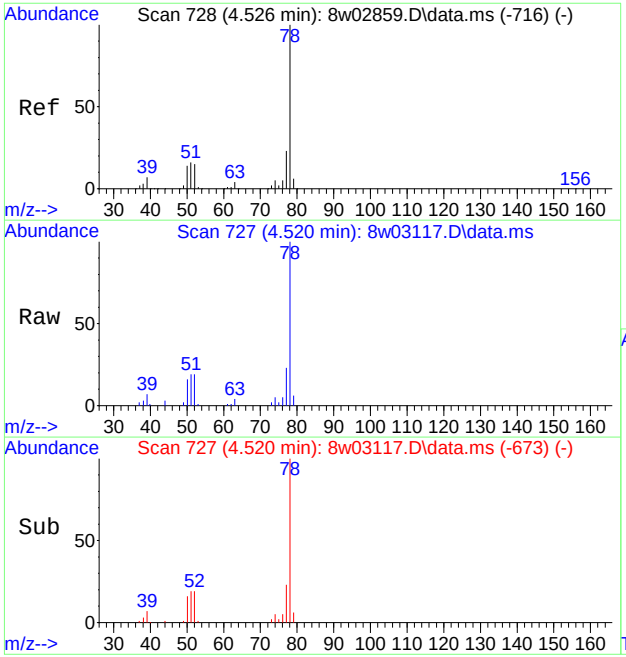


#50
1,2-DICHLOROETHANE
Concen: 0.47 PPBV
RT: 4.002 min Scan# 642
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 62 Resp: 11050

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.6	38.4
98	8.9	7.1	10.7

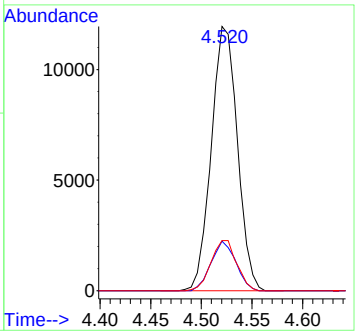


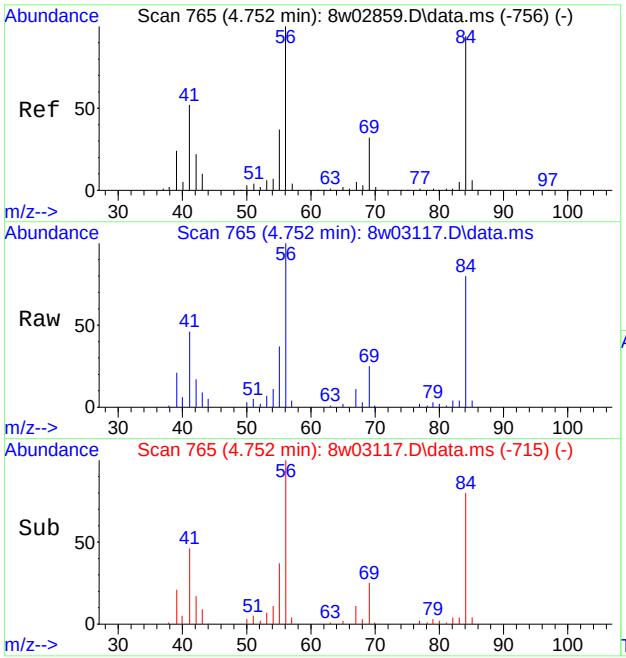


#51
BENZENE
Concen: 0.47 PPBV
RT: 4.520 min Scan# 727
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 78 Resp: 21459

Ion	Ratio	Lower	Upper
78	100		
52	17.8	0.0	37.6
51	18.7	0.0	38.0

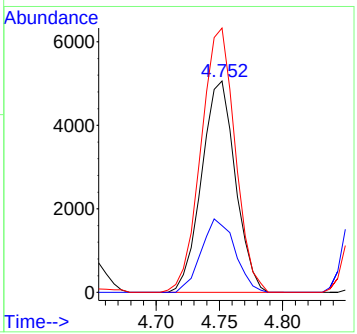


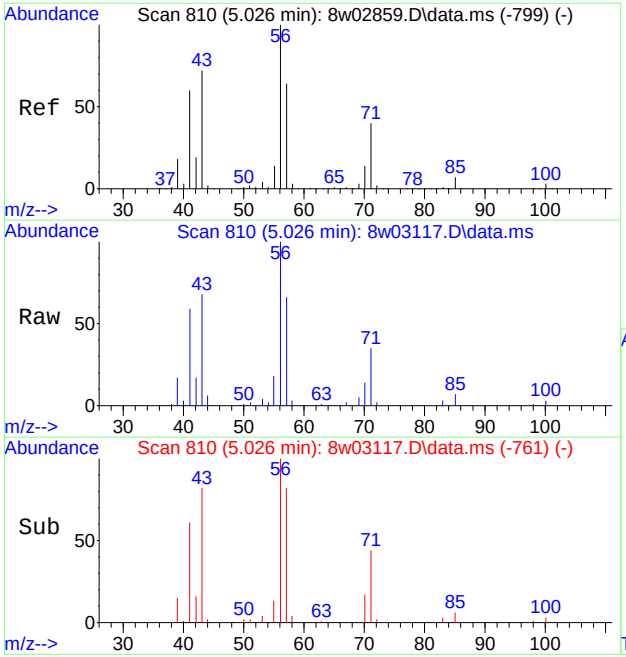


#53
CYCLOHEXANE
Concen: 0.44 PPBV
RT: 4.752 min Scan# 765
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 84 Resp: 9368

Ion	Ratio	Lower	Upper
84	100		
69	34.9	27.7	41.5
56	126.2	99.1	148.7

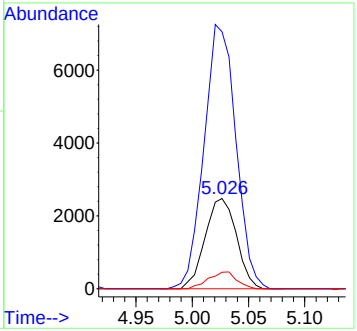


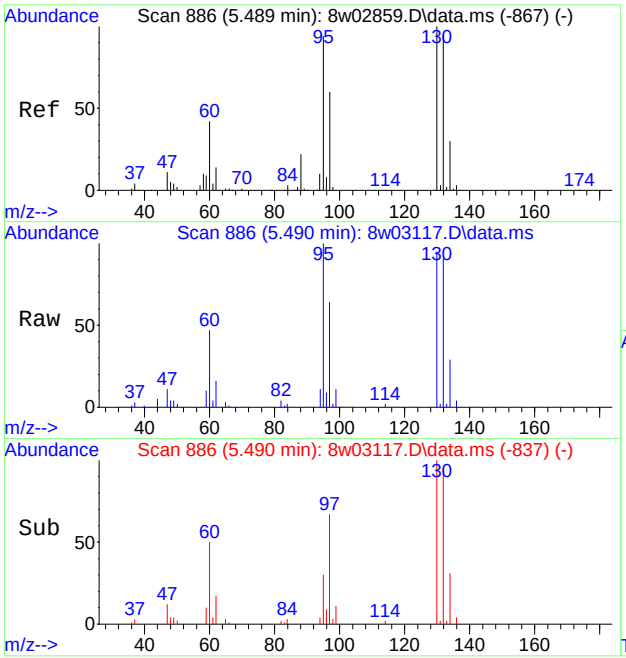


#54
2,3-DIMETHYLPENTANE
Concen: 0.45 PPBV
RT: 5.026 min Scan# 810
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 71 Resp: 4816

Ion	Ratio	Lower	Upper
71	100		
56	297.3	224.9	337.3
85	16.9	14.3	21.5

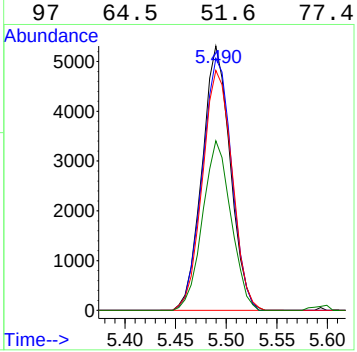


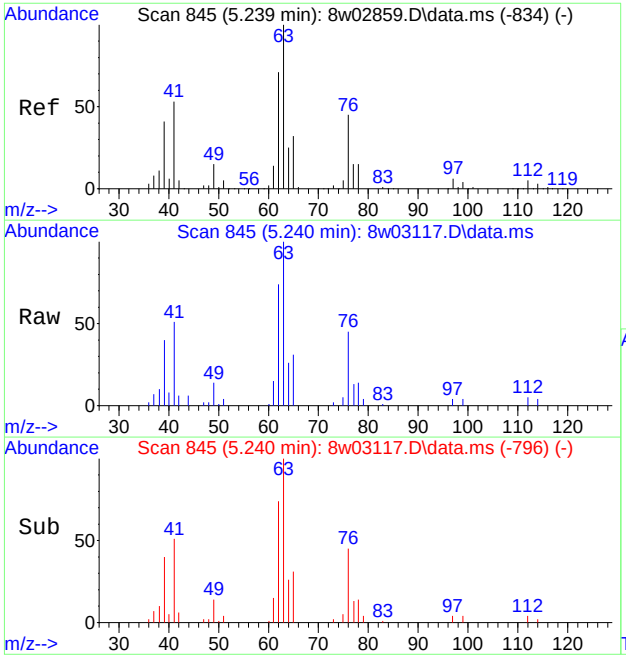


#55
TRICHLOROETHENE
Concen: 0.48 PPBV
RT: 5.490 min Scan# 886
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 95 Resp: 10313

Ion	Ratio	Lower	Upper
95	100		
130	98.9	80.6	120.8
132	95.3	77.0	115.4
97	64.5	51.6	77.4

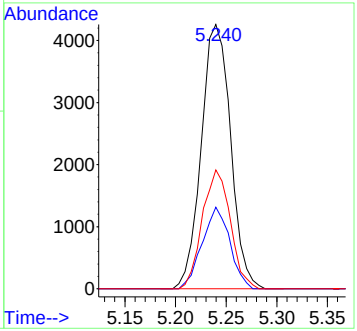


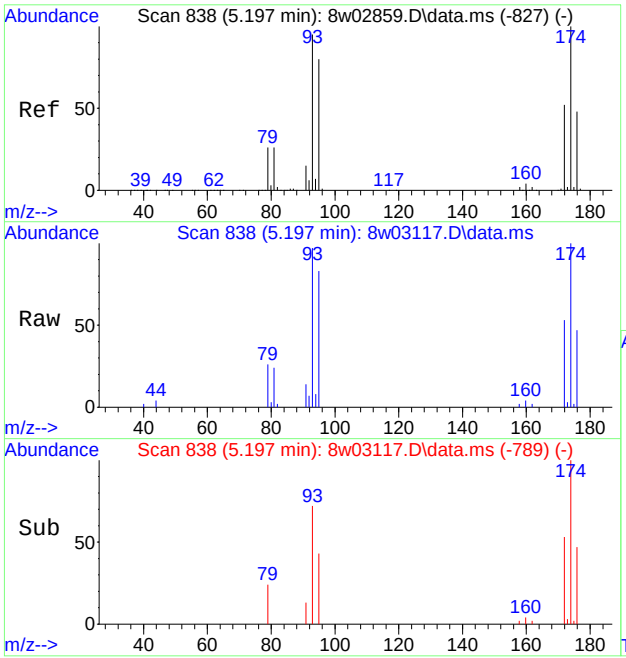


#56
1,2-DICHLOROPROPANE
Concen: 0.49 PPBV
RT: 5.240 min Scan# 845
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 63 Resp: 8595

Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.1	36.1
76	43.0	36.4	54.6

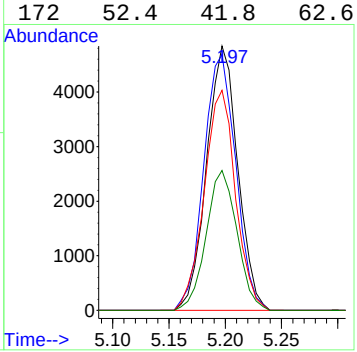


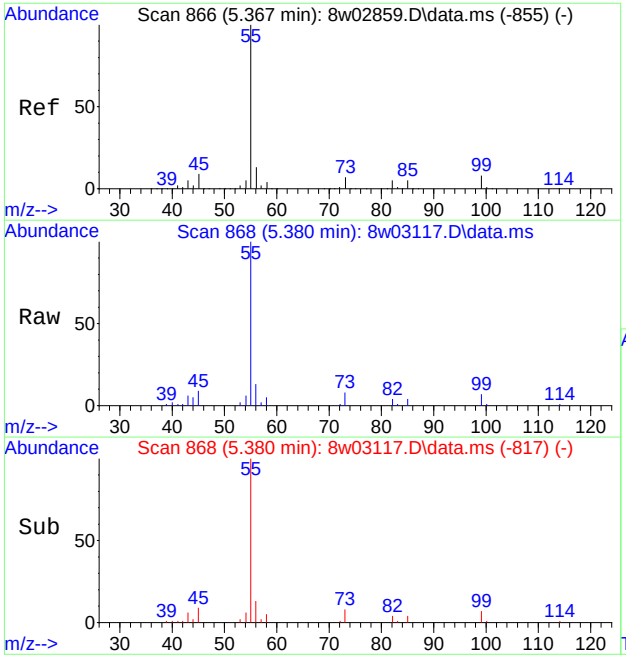


#57
DIBROMOMETHANE
Concen: 0.47 PPBV
RT: 5.197 min Scan# 838
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:174 Resp: 9325

Ion	Ratio	Lower	Upper
174	100		
93	99.6	77.0	115.6
95	83.9	64.2	96.4
172	52.4	41.8	62.6

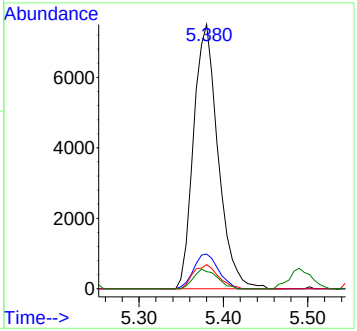


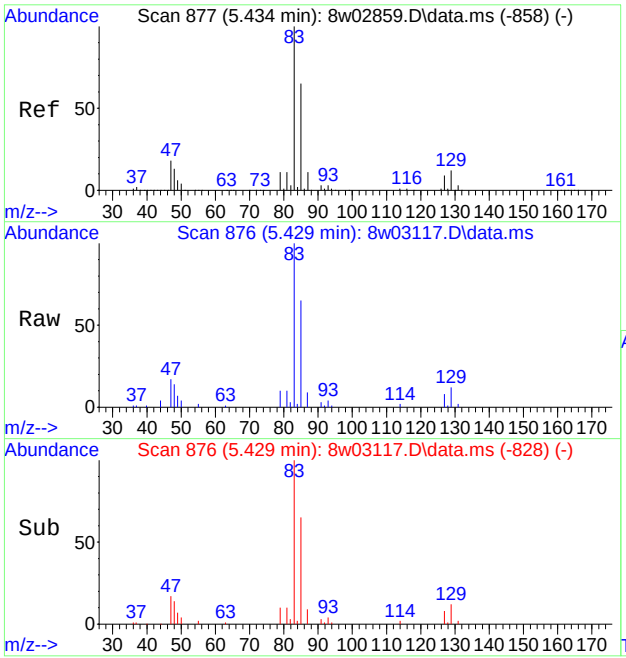


#58
ETHYL ACRYLATE
Concen: 0.40 PPBV
RT: 5.380 min Scan# 868
Delta R.T. 0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 55 Resp: 15143

Ion	Ratio	Lower	Upper
55	100		
56	13.3	10.9	16.3
45	9.3	6.7	10.1
99	7.1	5.8	8.8

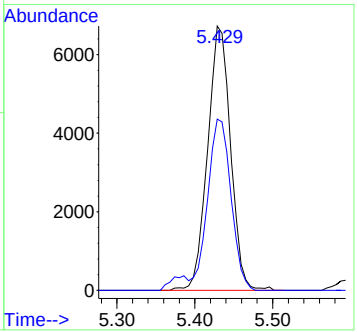


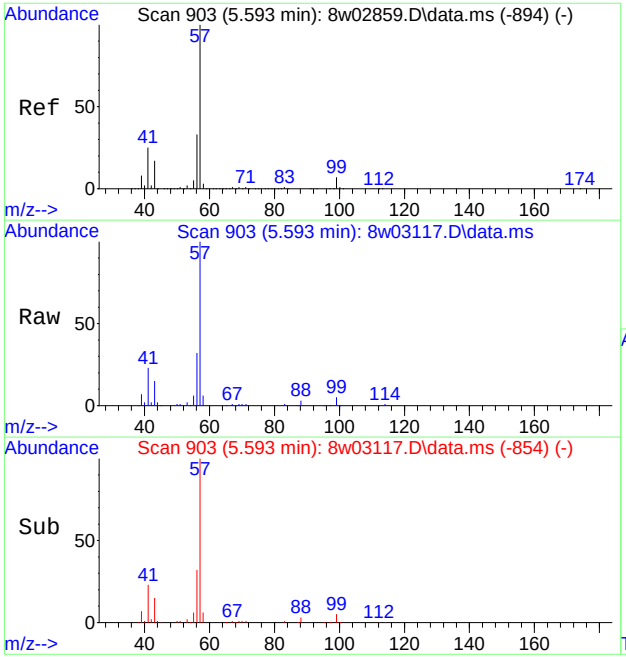


#59
BROMODICHLOROMETHANE
Concen: 0.39 PPBV
RT: 5.429 min Scan# 876
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 83 Resp: 13751

Ion	Ratio	Lower	Upper
83	100		
85	70.1	51.0	76.6

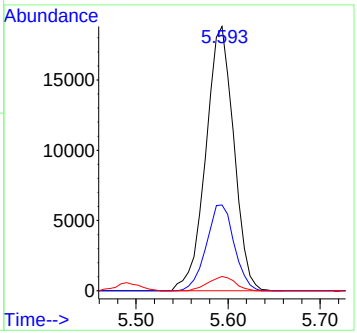


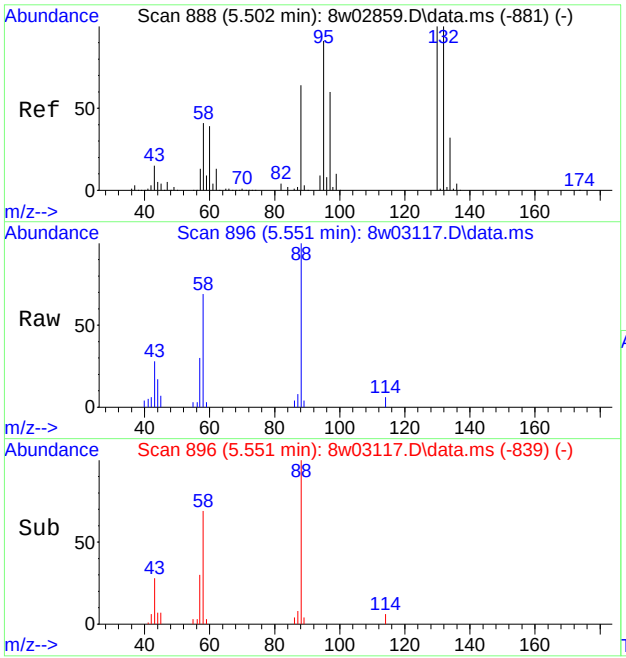


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.49 PPBV
RT: 5.593 min Scan# 903
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 57 Resp: 39717

Ion	Ratio	Lower	Upper
57	100		
56	32.3	25.8	38.8
99	5.2	4.7	7.1

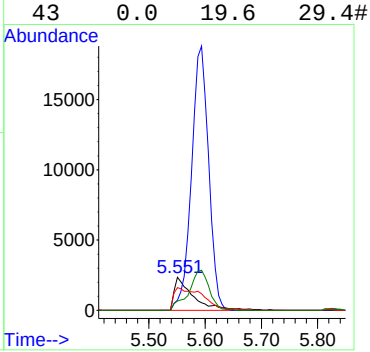


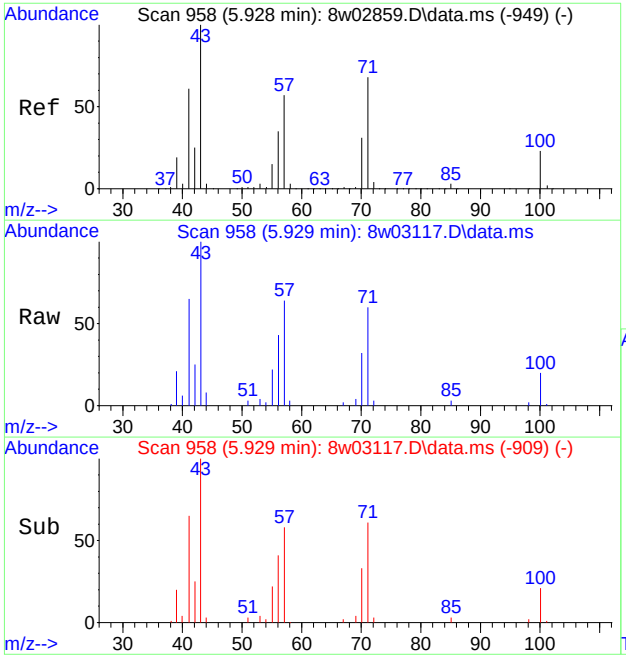


#61
1,4-DIOXANE
Concen: 0.49 PPBV
RT: 5.551 min Scan# 896
Delta R.T. 0.049 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 88 Resp: 5618

Ion	Ratio	Lower	Upper
88	100		
57	0.0	18.4	27.6#
58	103.4	57.3	85.9#
43	0.0	19.6	29.4#

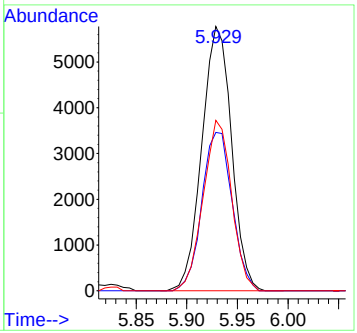


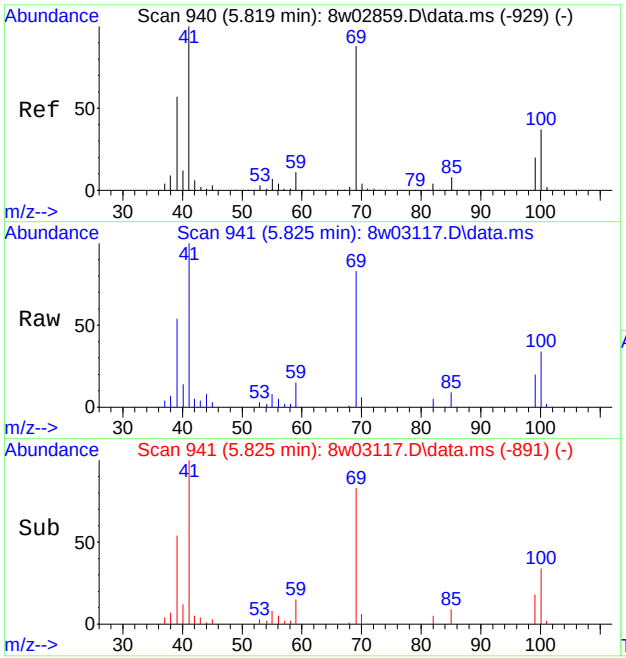


#62
HEPTANE
Concen: 0.47 PPBV
RT: 5.929 min Scan# 958
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 43 Resp: 11802

Ion	Ratio	Lower	Upper
43	100		
71	61.2	52.2	78.2
57	61.8	50.4	75.6

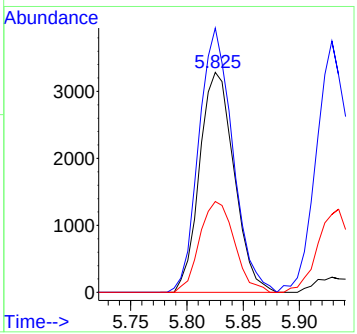


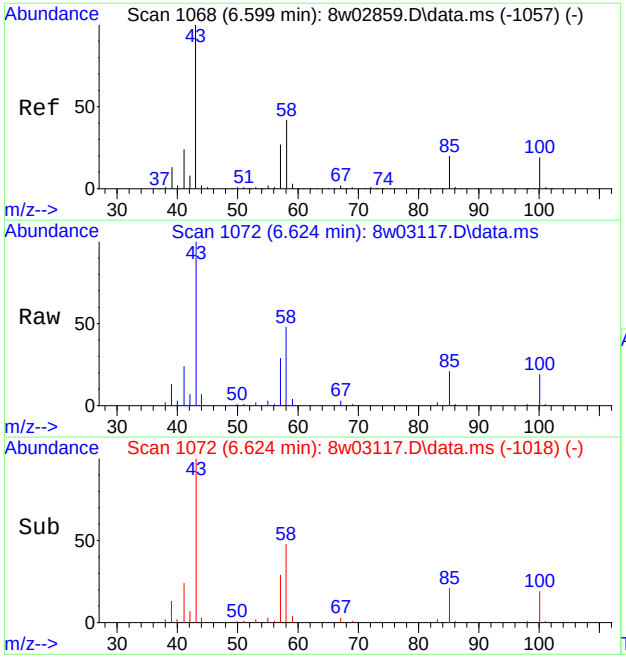


#63
METHYL METHACRYLATE
Concen: 0.41 PPBV
RT: 5.825 min Scan# 941
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 69 Resp: 7019

Ion	Ratio	Lower	Upper
69	100		
41	117.9	91.9	137.9
100	41.7	34.2	51.4

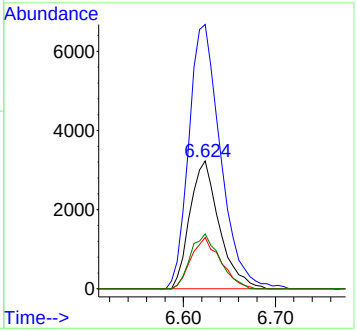


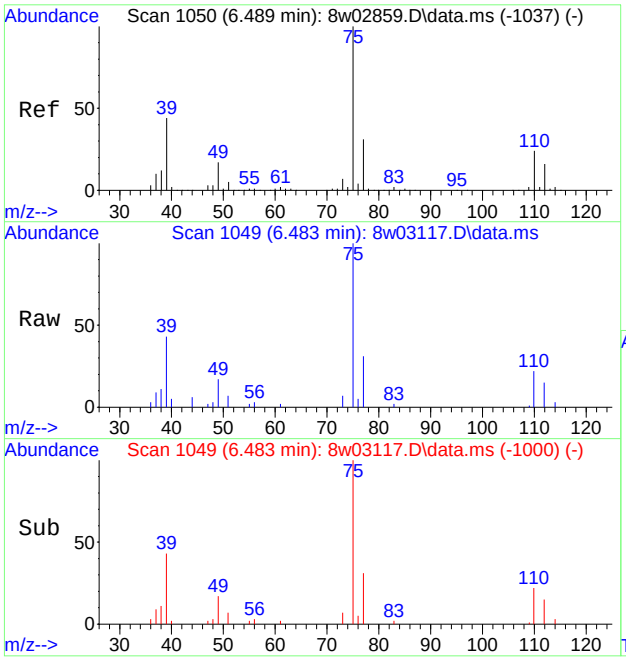


#64
METHYL ISOBUTYL KETONE
Concen: 0.47 PPBV
RT: 6.624 min Scan# 1072
Delta R.T. 0.030 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 58 Resp: 7200

Ion	Ratio	Lower	Upper
58	100		
43	222.2	171.6	257.4
100	40.4	31.4	47.0
85	43.0	35.8	53.6

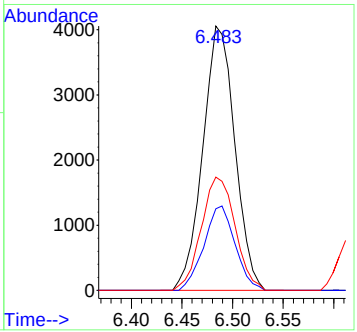


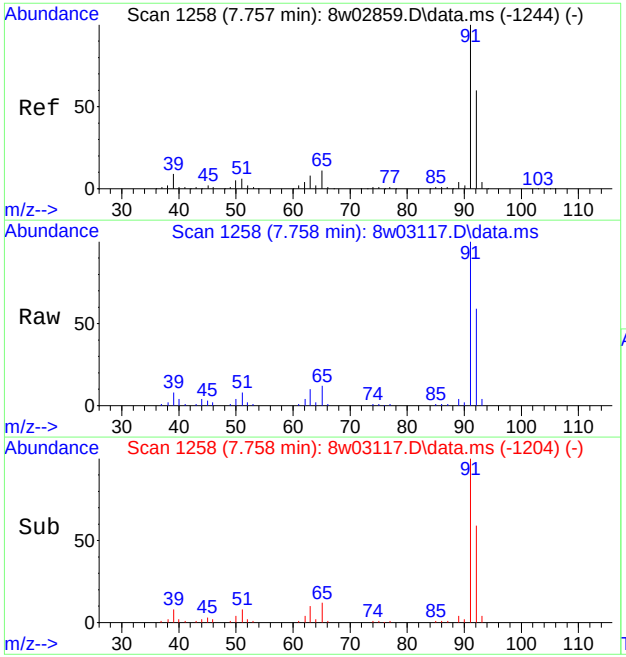


#65
CIS-1,3-DICHLOROPROPENE
Concen: 0.35 PPBV
RT: 6.483 min Scan# 1049
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 75 Resp: 8938

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	45.2	35.8	53.8

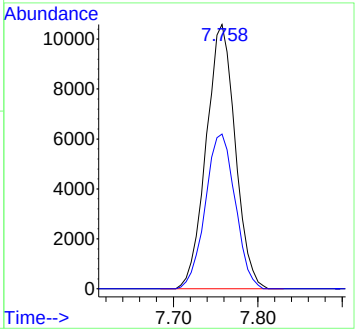


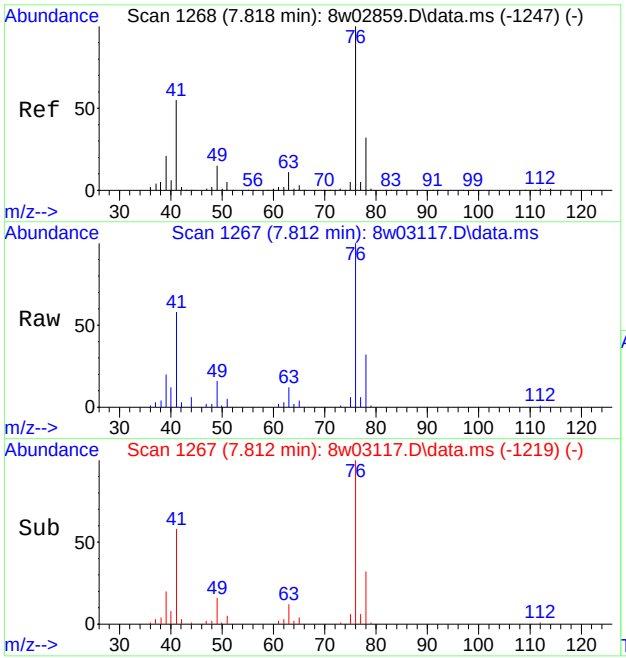


#66
TOLUENE
Concen: 0.44 PPBV
RT: 7.758 min Scan# 1258
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 91 Resp: 25303

Ion	Ratio	Lower	Upper
91	100		
92	60.3	39.8	79.8

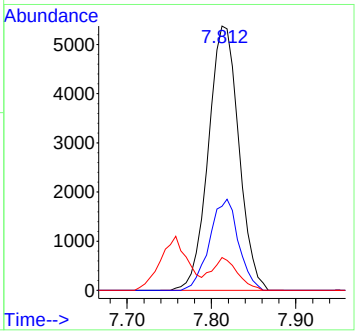


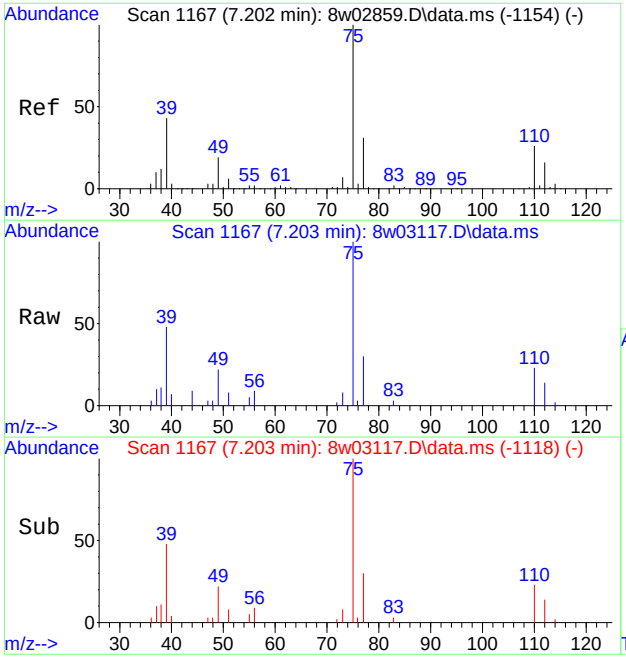


#67
1,3-DICHLOROPROPANE
Concen: 0.48 PPBV
RT: 7.812 min Scan# 1267
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 76 Resp: 13487

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9
63	10.7	8.6	12.8

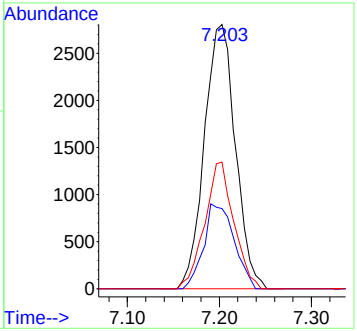


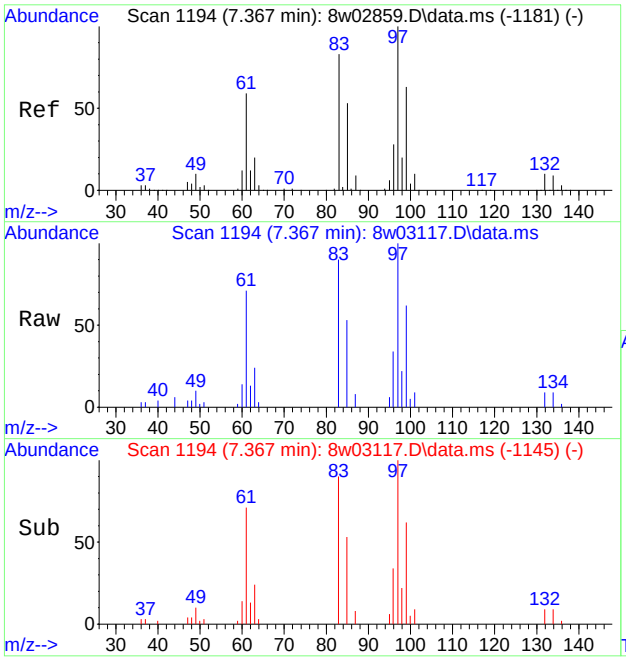


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 0.30 PPBV
RT: 7.203 min Scan# 1167
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 75 Resp: 6577

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	45.0	33.4	50.0

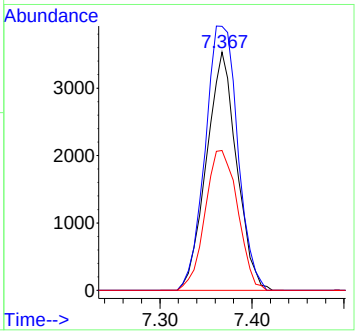


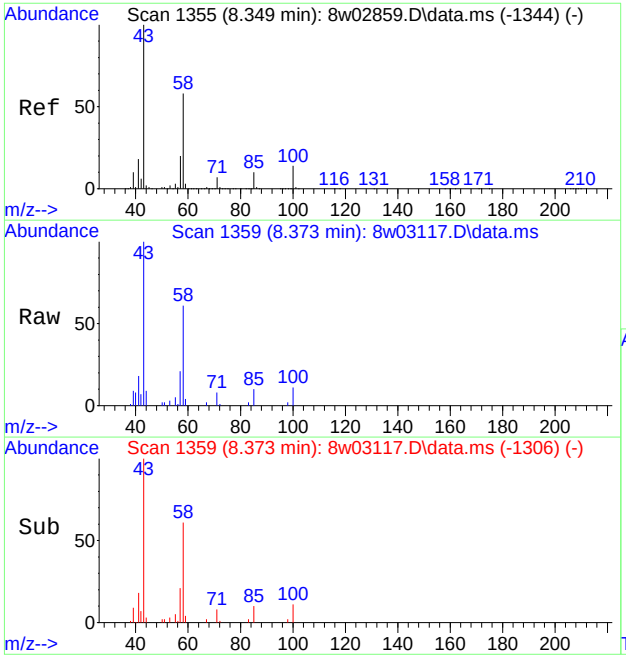


#69
1,1,2-TRICHLOROETHANE
Concen: 0.50 PPBV
RT: 7.367 min Scan# 1194
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 83 Resp: 8071

Ion	Ratio	Lower	Upper
83	100		
97	119.6	98.2	147.2
85	63.3	51.7	77.5

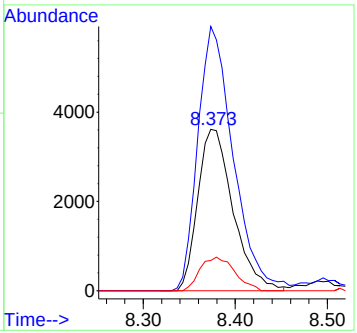


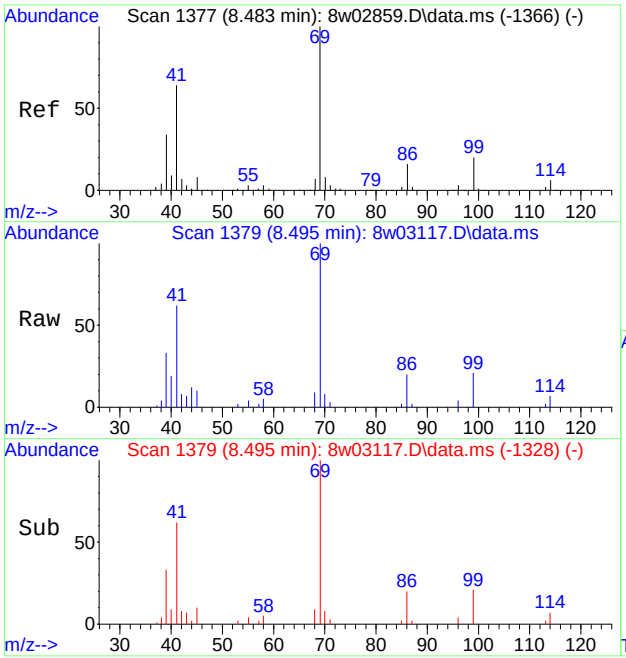


#70
2-HEXANONE
Concen: 0.47 PPBV
RT: 8.373 min Scan# 1359
Delta R.T. 0.024 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 58 Resp: 9660

Ion	Ratio	Lower	Upper
58	100		
43	163.5	124.3	186.5
100	20.5	18.0	27.0

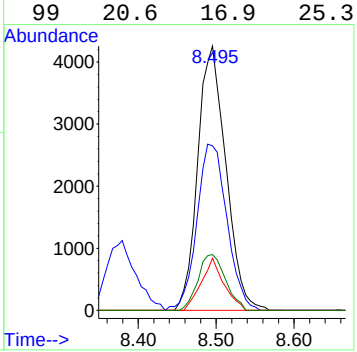


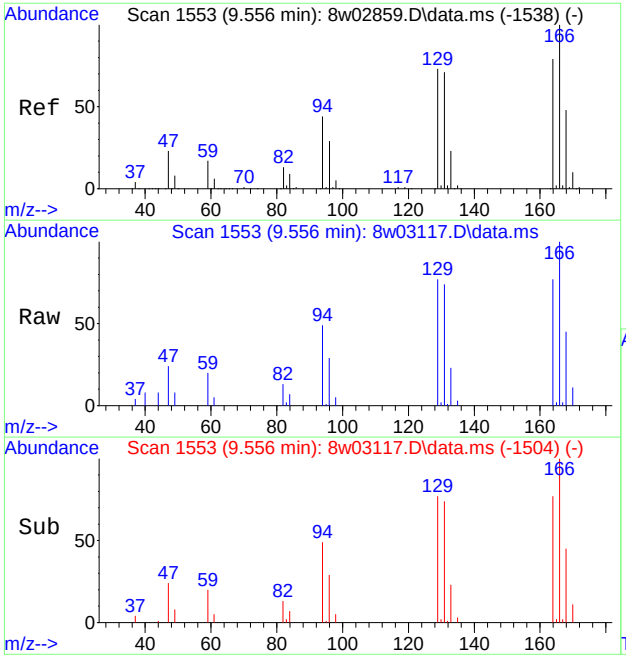


#71
ETHYL METHACRYLATE
Concen: 0.39 PPBV
RT: 8.495 min Scan# 1379
Delta R.T. 0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 69 Resp: 10669

Ion	Ratio	Lower	Upper
69	100		
41	66.9	50.3	75.5
86	15.9	13.0	19.4
99	20.6	16.9	25.3

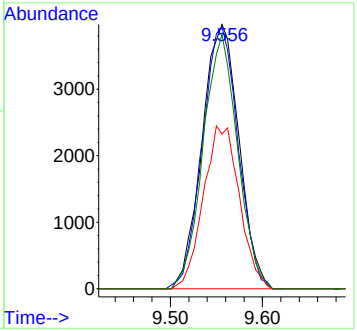


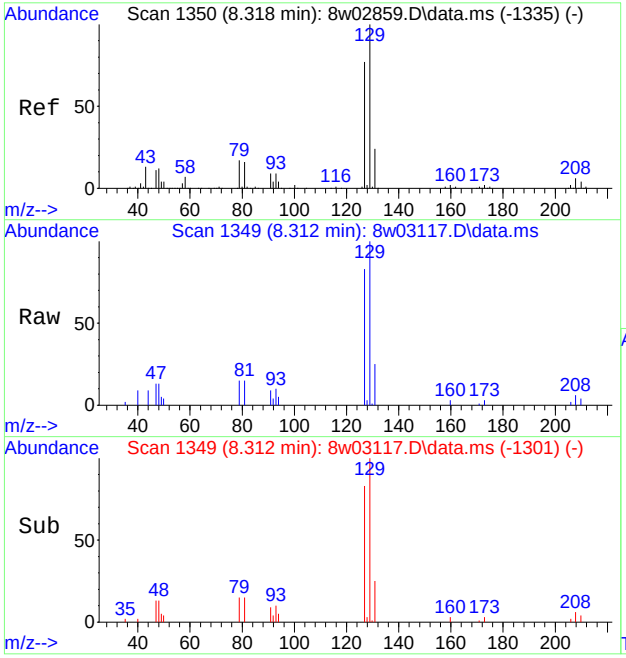


#72
TETRACHLOROETHENE
Concen: 0.47 PPBV
RT: 9.556 min Scan# 1553
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:164 Resp: 11075

Ion	Ratio	Lower	Upper
164	100		
129	96.4	75.8	113.8
168	60.2	48.8	73.2
131	90.0	73.0	109.4

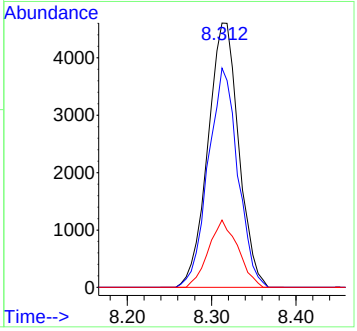


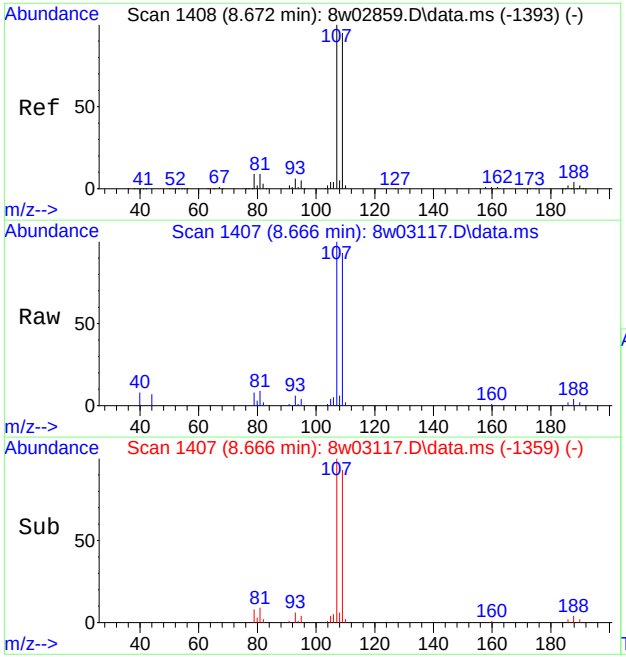


#73
DIBROMOCHLOROMETHANE
Concen: 0.34 PPBV
RT: 8.312 min Scan# 1349
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:129 Resp: 11695

Ion	Ratio	Lower	Upper
129	100		
127	79.8	62.0	93.0
131	24.4	19.1	28.7

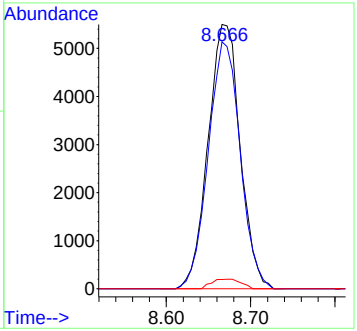


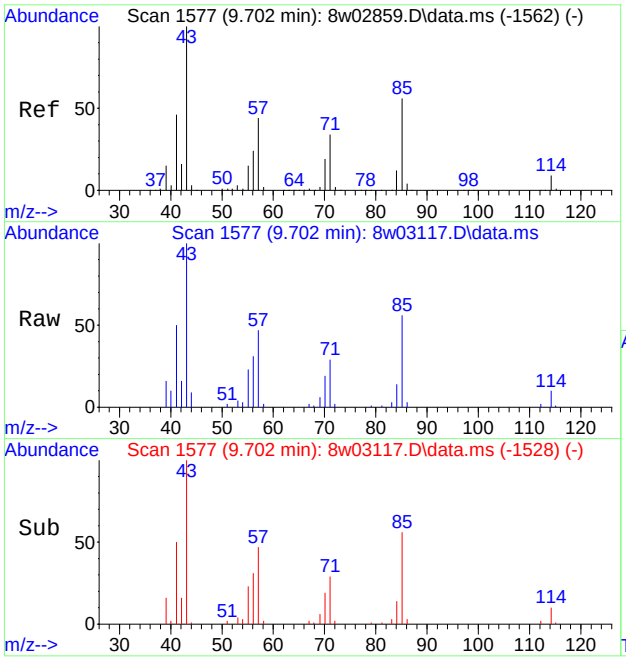


#74
1,2-DIBROMOETHANE
Concen: 0.47 PPBV
RT: 8.666 min Scan# 1407
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:107 Resp: 14527

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.4	113.0
188	0.0	3.0	4.6#

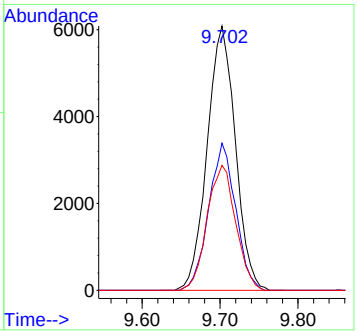


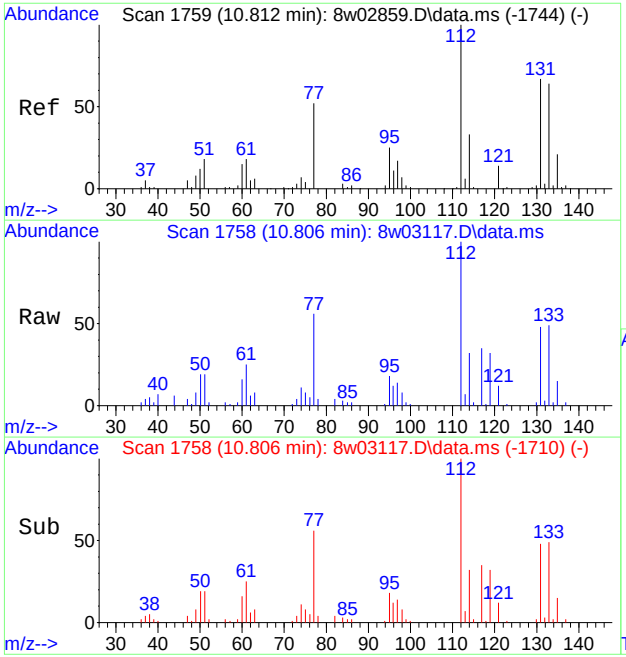


#75
OCTANE
Concen: 0.44 PPBV
RT: 9.702 min Scan# 1577
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 43 Resp: 15256

Ion	Ratio	Lower	Upper
43	100		
85	53.3	45.1	67.7
57	47.9	39.0	58.6

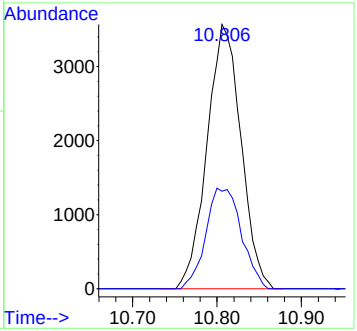


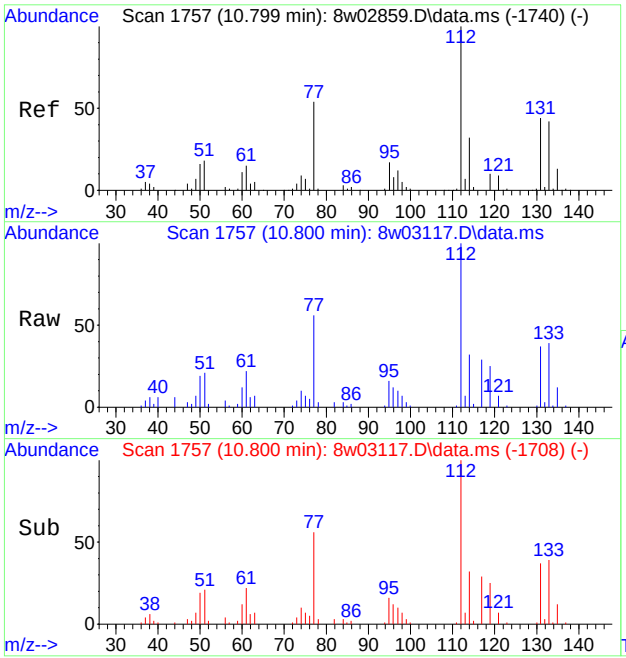


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 0.40 PPBV
RT: 10.806 min Scan# 1758
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:131 Resp: 9971

Ion	Ratio	Lower	Upper
131	100		
95	39.9	31.7	47.5

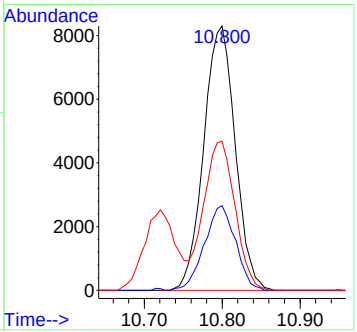


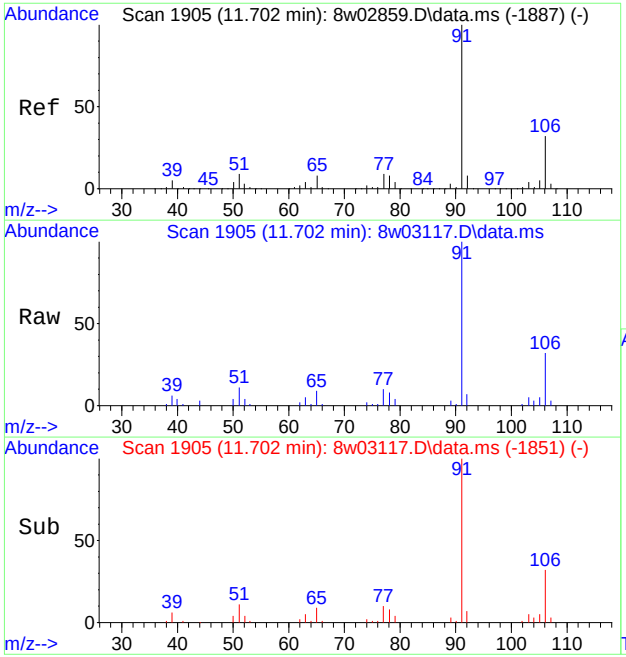


#78
CHLOROBENZENE
Concen: 0.47 PPBV
RT: 10.800 min Scan# 1757
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:112 Resp: 23243

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5
77	56.1	47.4	71.2

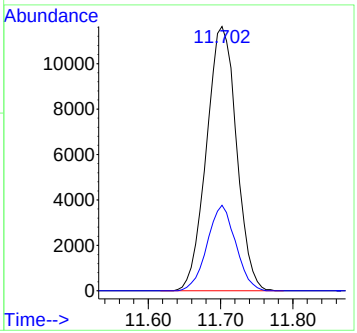


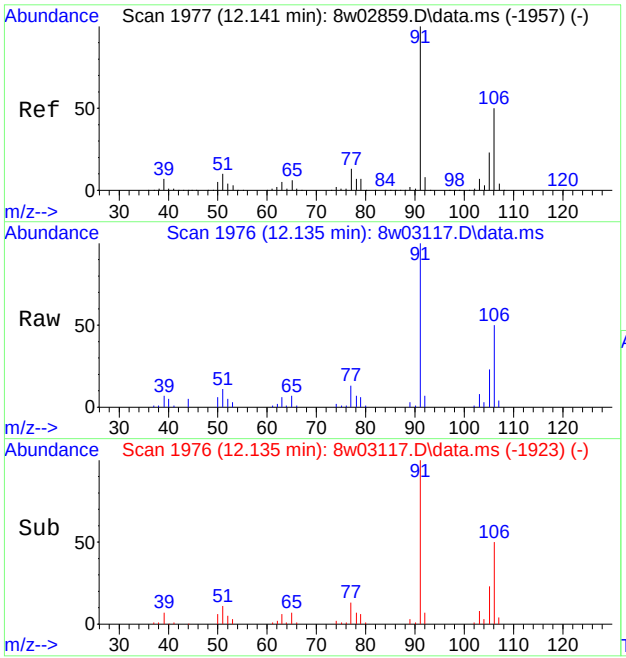


#79
ETHYLBENZENE
Concen: 0.41 PPBV
RT: 11.702 min Scan# 1905
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 91 Resp: 33535

Ion	Ratio	Lower	Upper
91	100		
106	30.7	11.5	51.5

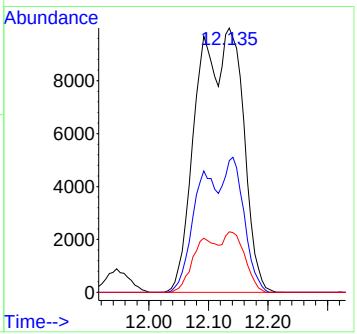


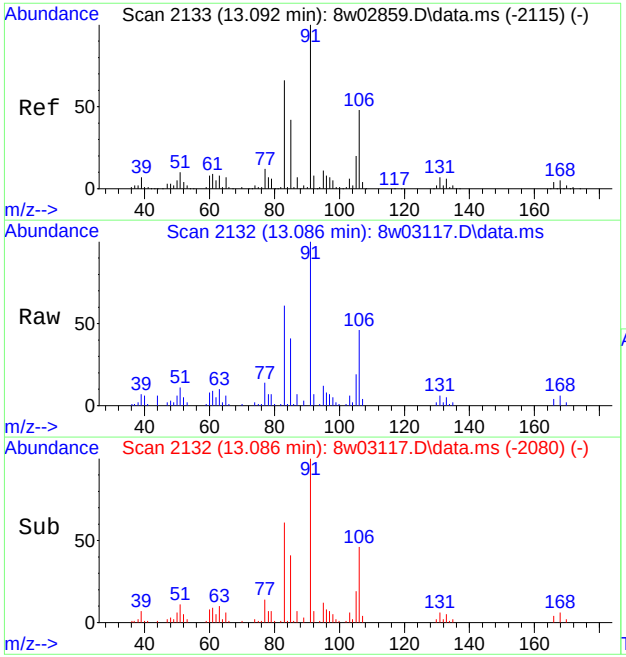


#80
M,P-XYLENE
Concen: 0.84 PPBV
RT: 12.135 min Scan# 1976
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 91 Resp: 53759

Ion	Ratio	Lower	Upper
91	100		
106	23.7	5.3	45.3
105	22.2	0.0	31.8

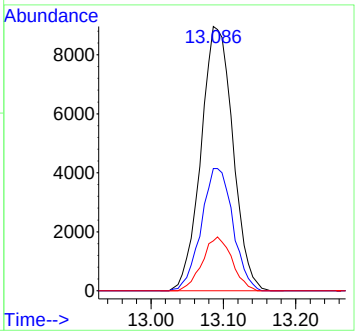


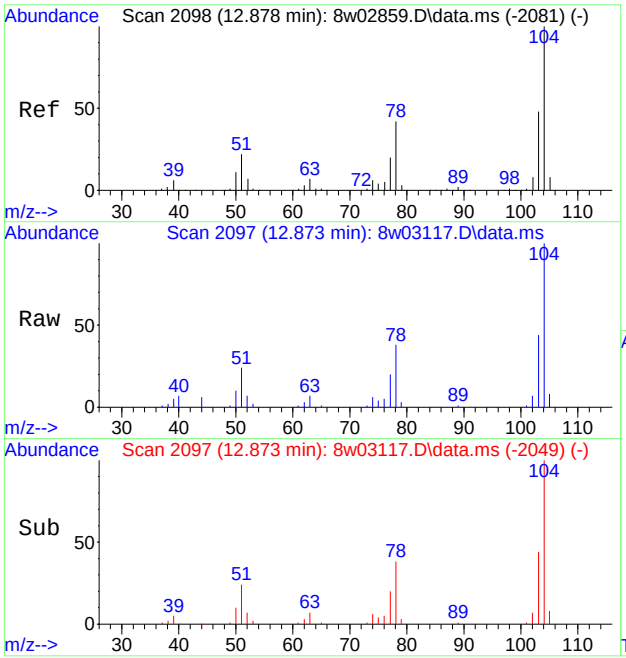


#81
O-XYLENE
Concen: 0.43 PPBV
RT: 13.086 min Scan# 2132
Delta R.T. -0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 91 Resp: 27429

Ion	Ratio	Lower	Upper
91	100		
106	46.2	36.8	55.2
105	18.9	15.0	22.6

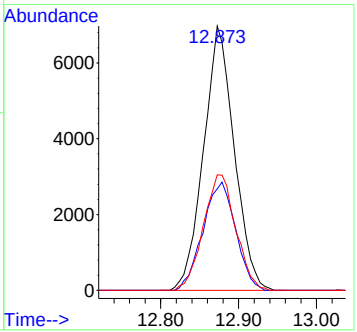


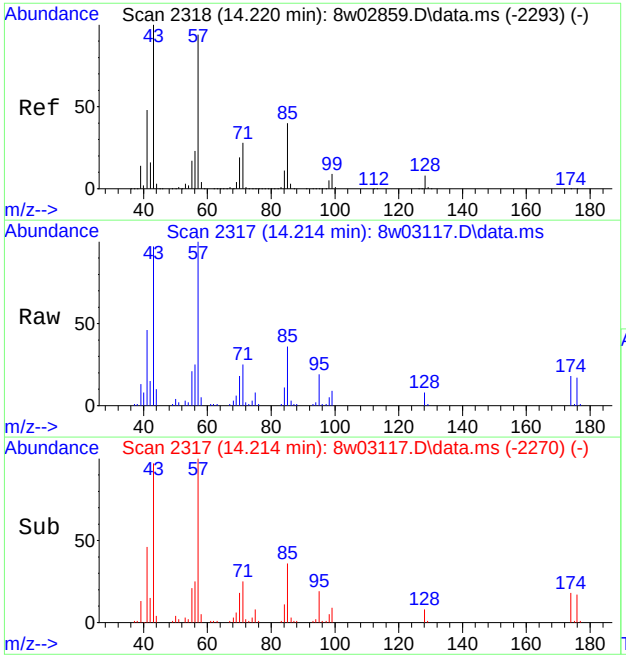


#82
STYRENE
Concen: 0.38 PPBV
RT: 12.873 min Scan# 2097
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:104 Resp: 19030

Ion	Ratio	Lower	Upper
104	100		
78	43.8	35.4	53.0
103	46.2	37.7	56.5

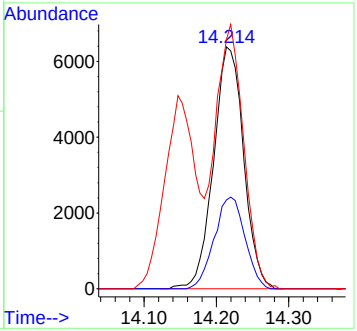


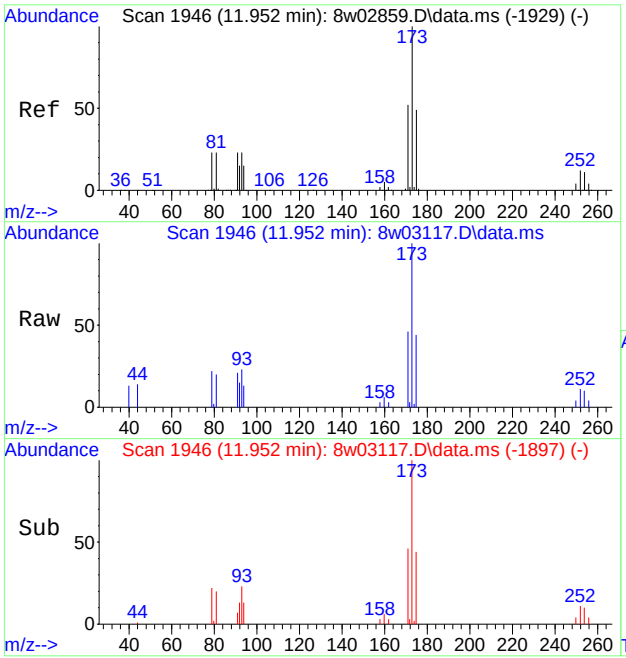


#83
NONANE
Concen: 0.48 PPBV
RT: 14.214 min Scan# 2317
Delta R.T. -0.012 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 43 Resp: 18460

Ion	Ratio	Lower	Upper
43	100		
85	38.6	32.5	48.7
57	101.9	88.6	132.8

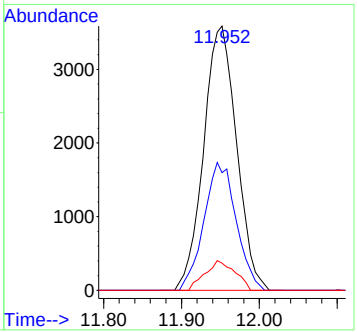




#84
BROMOFORM
Concen: 0.32 PPBV
RT: 11.952 min Scan# 1946
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

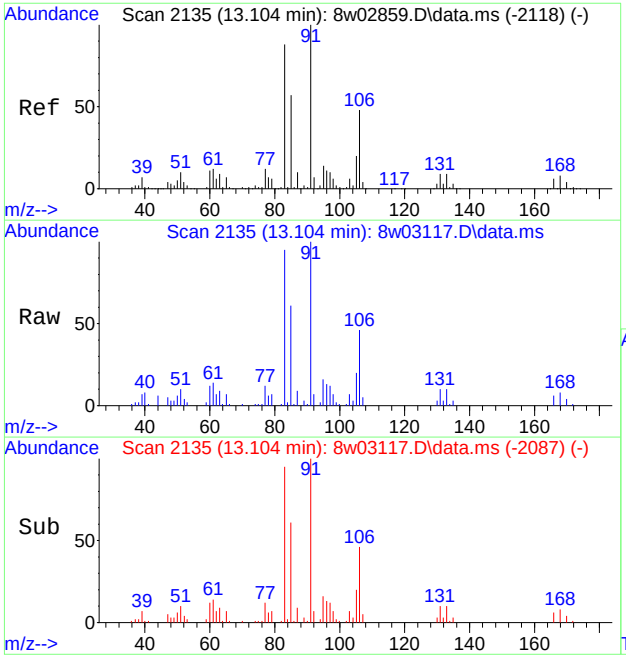
Tgt Ion:173 Resp: 10507

Ion	Ratio	Lower	Upper
173	100		
175	47.3	39.0	58.4
254	10.2	8.7	13.1



7.7.16

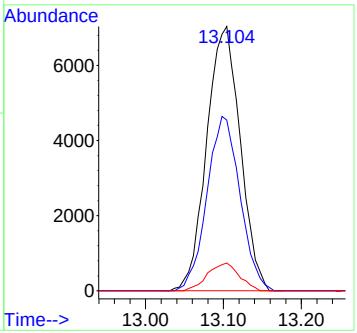
7

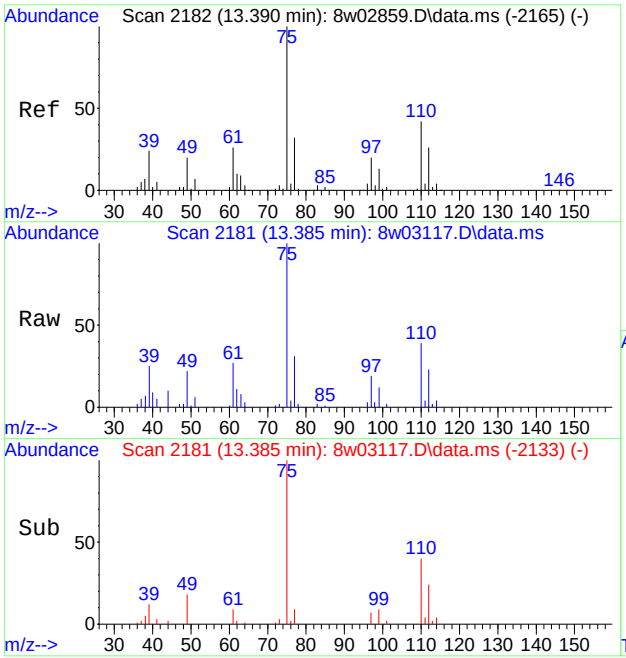


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 0.48 PPBV
RT: 13.104 min Scan# 2135
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 83 Resp: 21028

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9
131	9.9	8.5	12.7

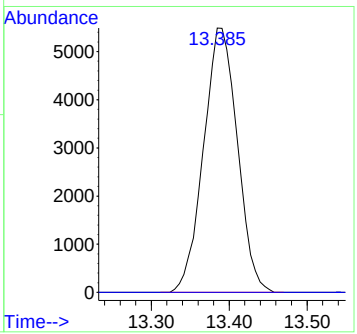


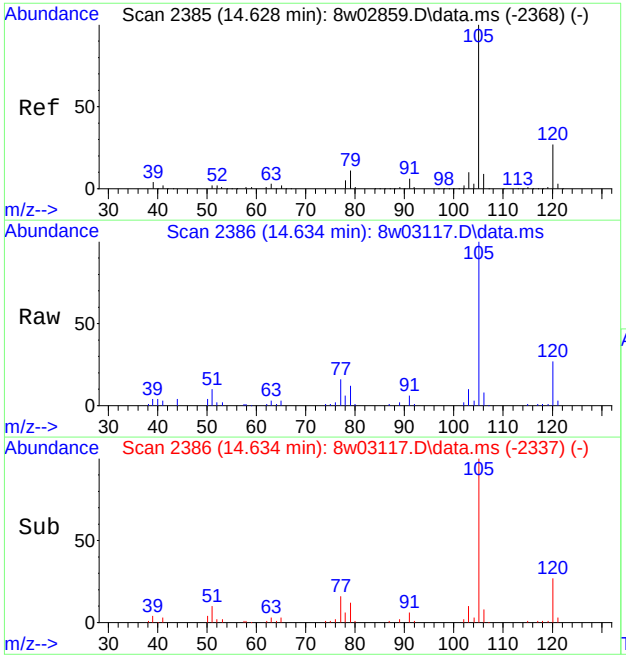


#86
1,2,3-TRICHLOROPROPANE
Concen: 0.46 PPBV
RT: 13.385 min Scan# 2181
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 75 Resp: 16523

Ion	Ratio	Lower	Upper
75	100		
100	0.0	0.5	0.7#

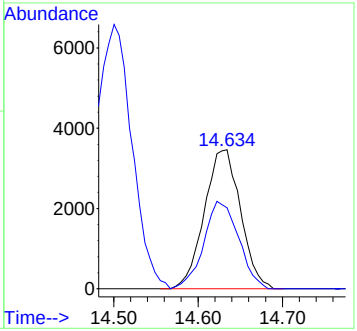


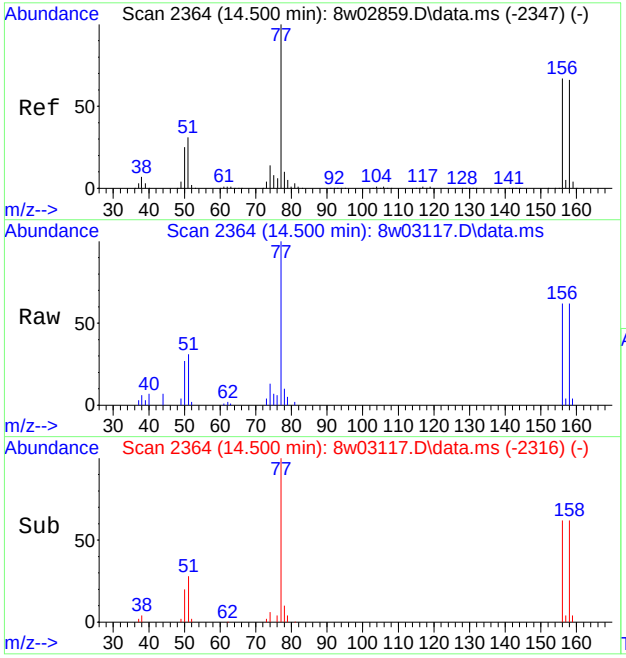


#88
ISOPROPYLBENZENE
Concen: 0.43 PPBV
RT: 14.634 min Scan# 2386
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:120 Resp: 10343

Ion	Ratio	Lower	Upper
120	100		
77	60.6	46.8	70.2

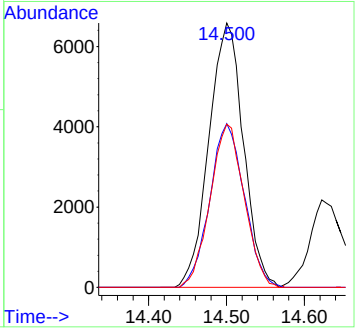


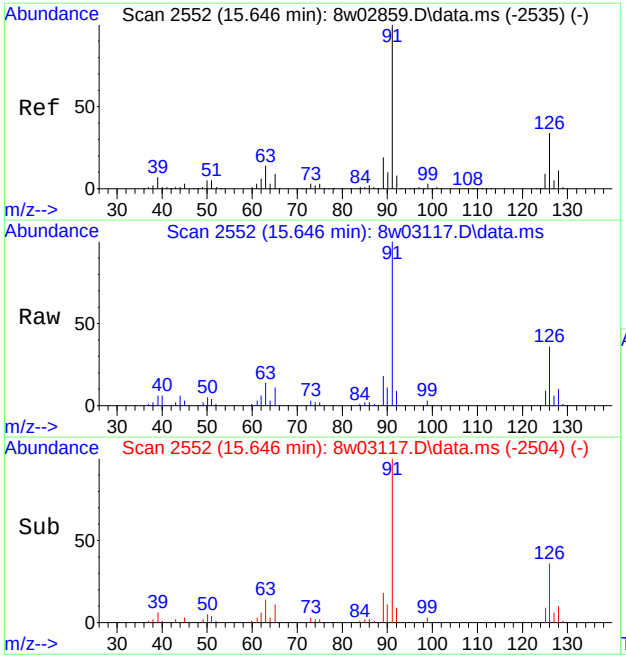


#89
BROMOBENZENE
Concen: 0.45 PPBV
RT: 14.500 min Scan# 2364
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 77 Resp: 20245

Ion	Ratio	Lower	Upper
77	100		
156	62.0	51.5	77.3
158	60.7	50.2	75.4

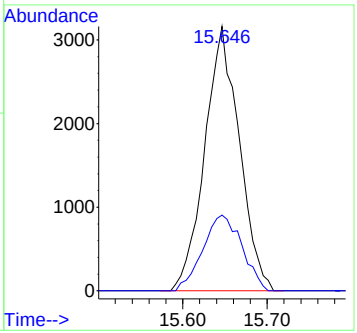


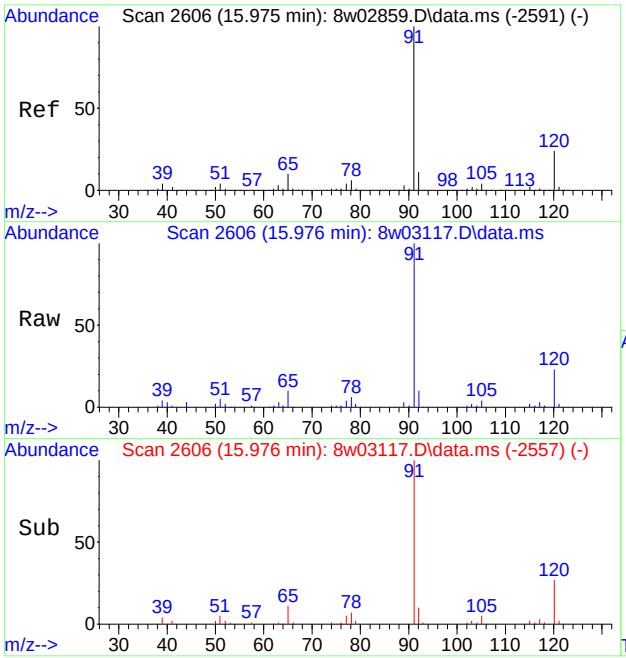


#90
2-CHLOROTOLUENE
Concen: 0.41 PPBV
RT: 15.646 min Scan# 2552
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:126 Resp: 8992

Ion	Ratio	Lower	Upper
126	100		
128	32.4	26.0	39.0

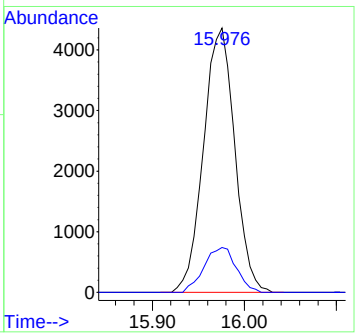


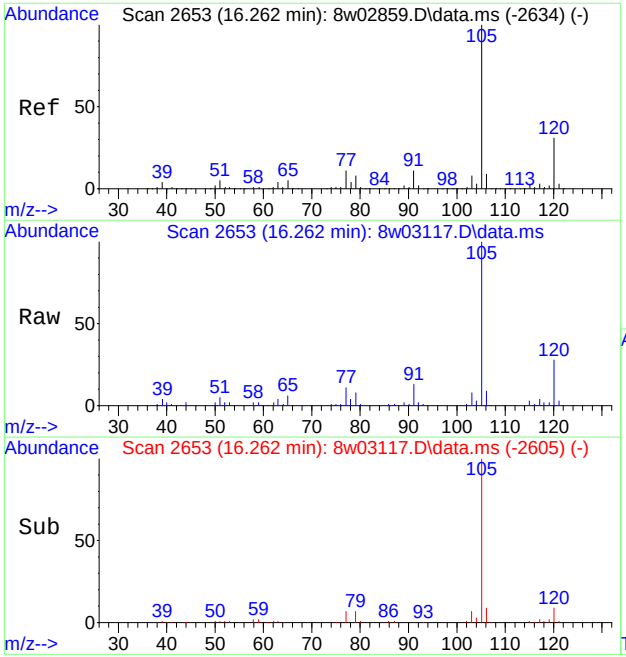


#91
N-PROPYLBENZENE
Concen: 0.41 PPBV
RT: 15.976 min Scan# 2606
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:120 Resp: 10288

Ion	Ratio	Lower	Upper
120	100		
105	17.5	13.3	19.9

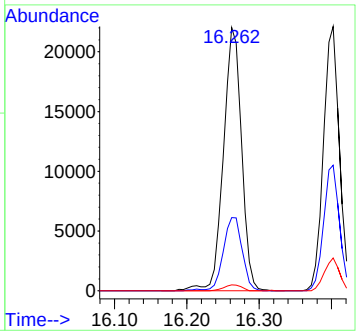


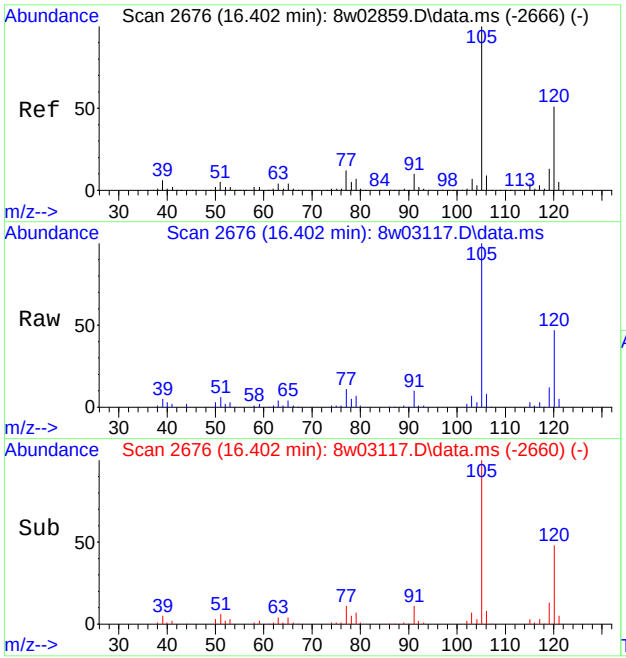


#92
4-ETHYLTOLUENE
Concen: 0.42 PPBV
RT: 16.262 min Scan# 2653
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:105 Resp: 38354

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.2	34.8
119	2.2	1.8	2.8

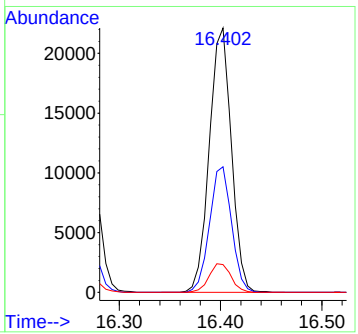


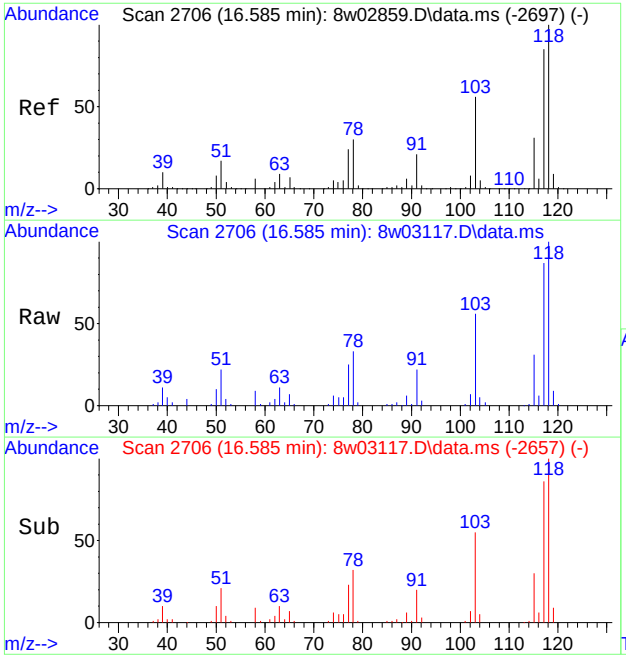


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.44 PPBV
RT: 16.402 min Scan# 2676
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:105 Resp: 33590

Ion	Ratio	Lower	Upper
105	100		
120	47.3	38.2	57.4
91	10.8	8.7	13.1

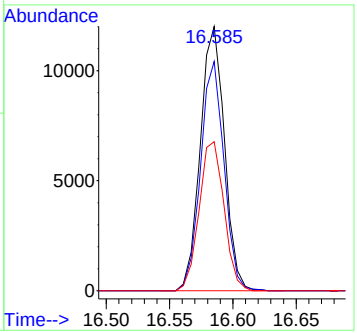


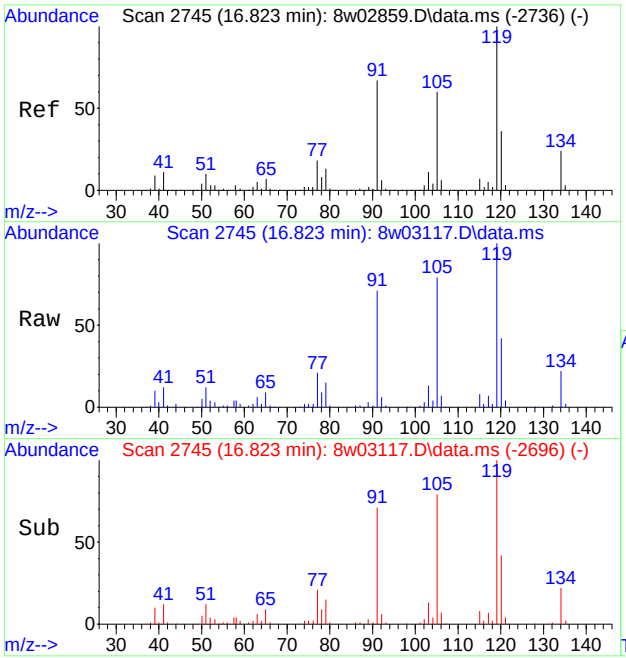


#94
ALPHA-METHYLSTYRENE
Concen: 0.42 PPBV
RT: 16.585 min Scan# 2706
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:118 Resp: 15892

Ion	Ratio	Lower	Upper
118	100		
117	84.1	68.5	102.7
103	58.2	46.9	70.3

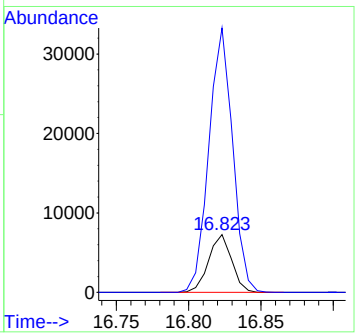


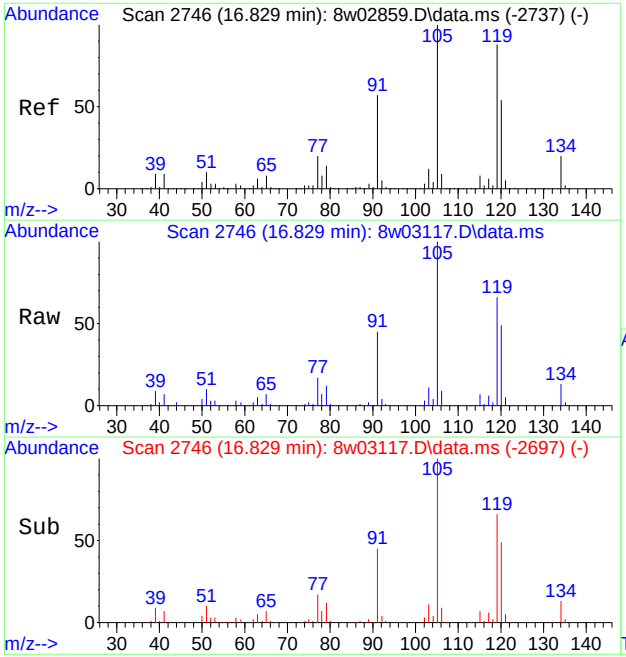


#95
TERT-BUTYLBENZENE
Concen: 0.49 PPBV
RT: 16.823 min Scan# 2745
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:134 Resp: 8064

Ion	Ratio	Lower	Upper
134	100		
119	471.6	376.4	564.6

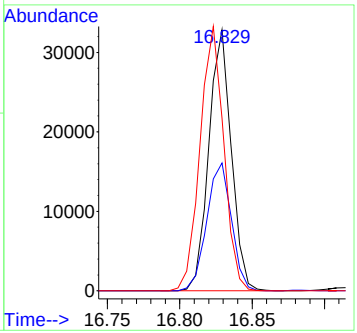


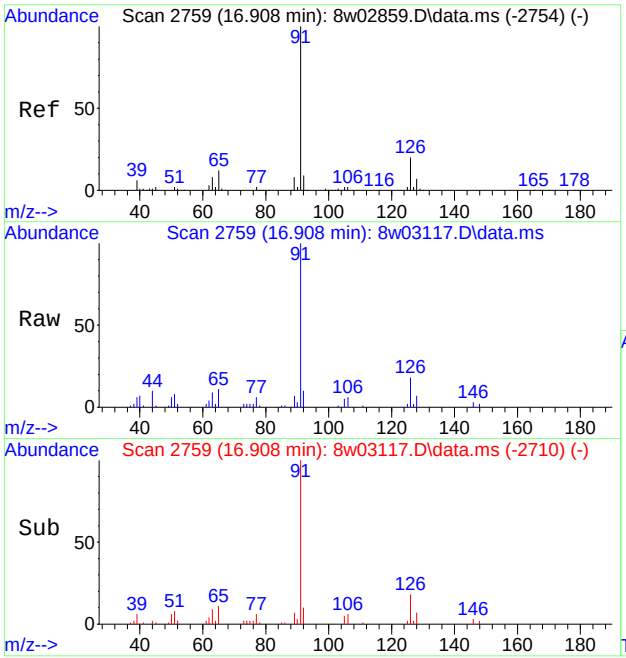


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.49 PPBV
RT: 16.829 min Scan# 2746
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:105 Resp: 35640

Ion	Ratio	Lower	Upper
105	100		
120	53.8	42.1	63.1
119	106.7	84.6	127.0

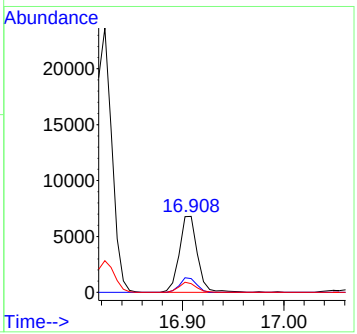


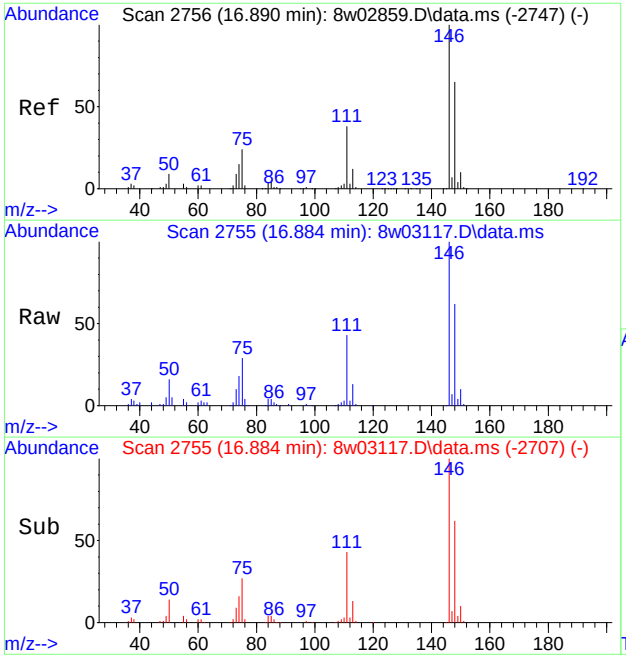


#97
BENZYL CHLORIDE
Concen: 0.23 PPBV
RT: 16.908 min Scan# 2759
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion: 91 Resp: 8452

Ion	Ratio	Lower	Upper
91	100		
126	17.7	15.2	22.8
65	12.7	10.3	15.5

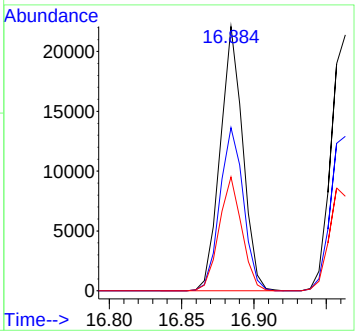


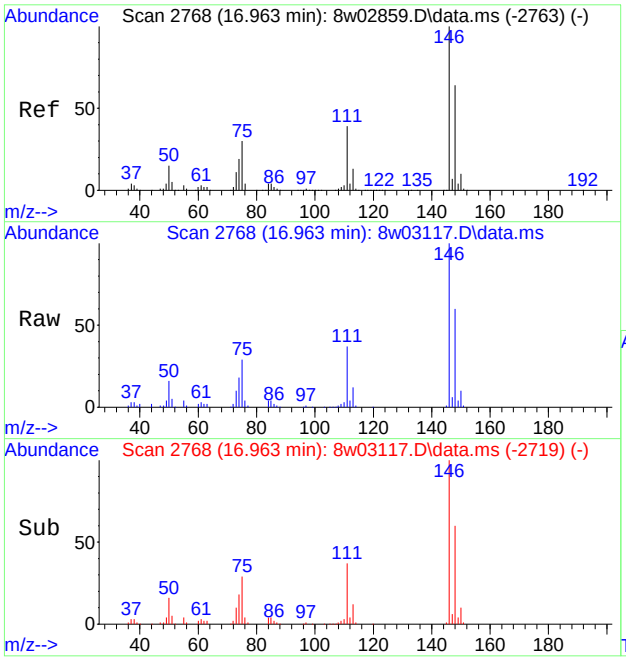


#98
M-DICHLOROBENZENE
Concen: 0.49 PPBV
RT: 16.884 min Scan# 2755
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:146 Resp: 24086

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
111	43.2	34.2	51.4

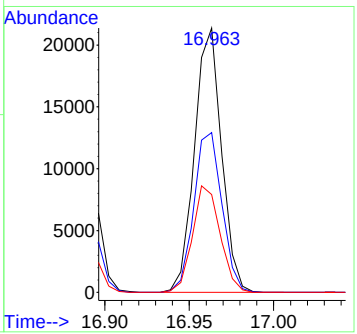


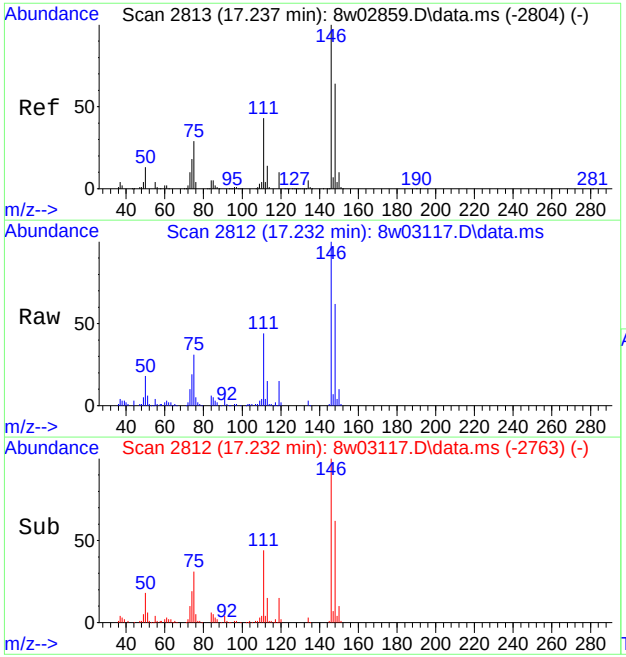


#99
P-DICHLOROBENZENE
Concen: 0.48 PPBV
RT: 16.963 min Scan# 2768
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:146 Resp: 23800

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.0	76.4
111	41.2	32.8	49.2

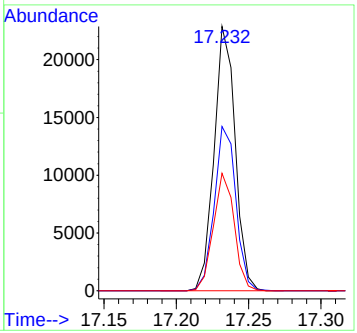


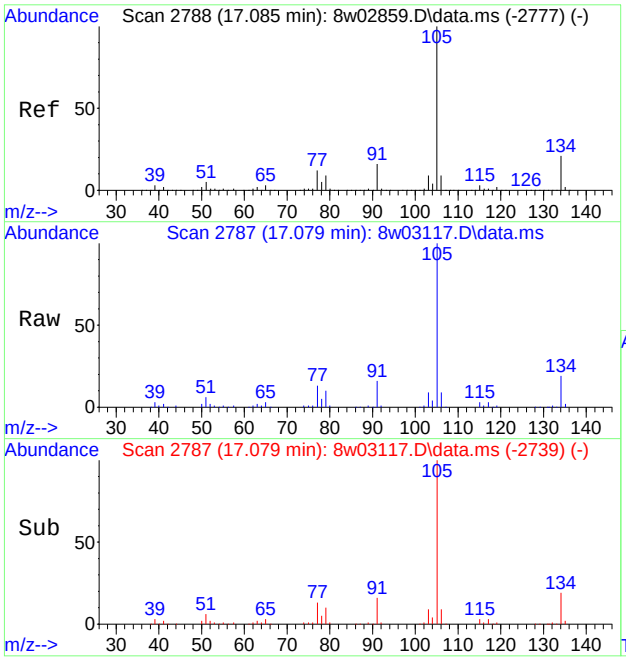


#100
O-DICHLOROBENZENE
Concen: 0.51 PPBV
RT: 17.232 min Scan# 2812
Delta R.T. 0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:146 Resp: 23237

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.9	76.3
111	43.9	35.9	53.9

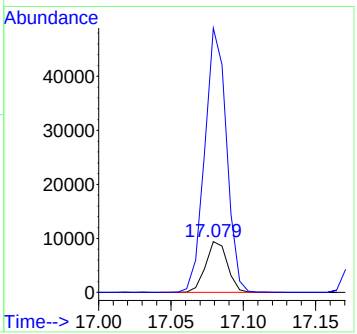


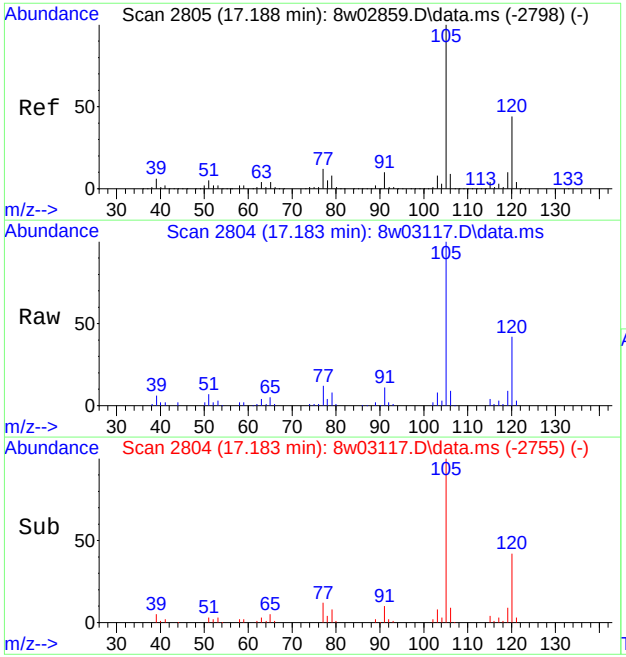


#101
SEC-BUTYLBENZENE
Concen: 0.47 PPBV
RT: 17.079 min Scan# 2787
Delta R.T. -0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:134 Resp: 9893

Ion	Ratio	Lower	Upper
134	100		
105	519.0	405.0	607.6

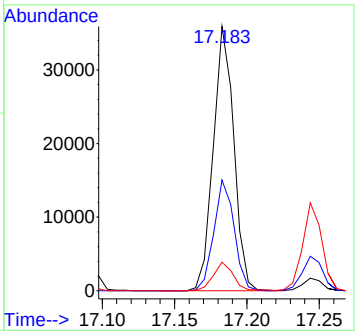


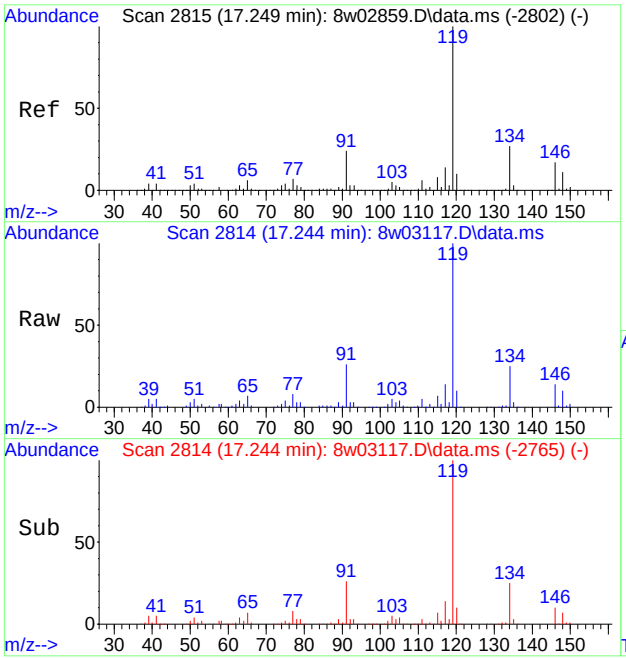


#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.47 PPBV
RT: 17.183 min Scan# 2804
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:105 Resp: 35624

Ion	Ratio	Lower	Upper
105	100		
120	41.5	32.6	49.0
91	10.7	8.4	12.6

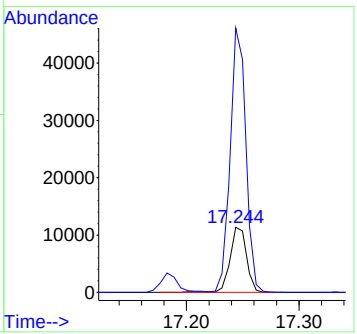


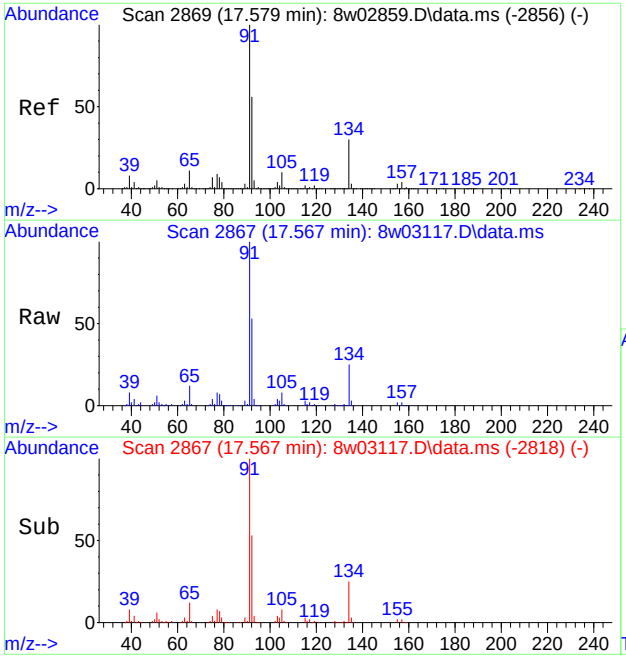


#103
P-ISOPROPYLTOLUENE
Concen: 0.51 PPBV
RT: 17.244 min Scan# 2814
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:134 Resp: 11524

Ion	Ratio	Lower	Upper
134	100		
119	388.1	316.6	474.8

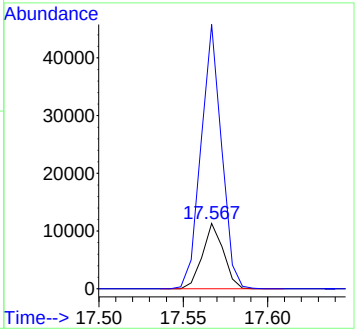


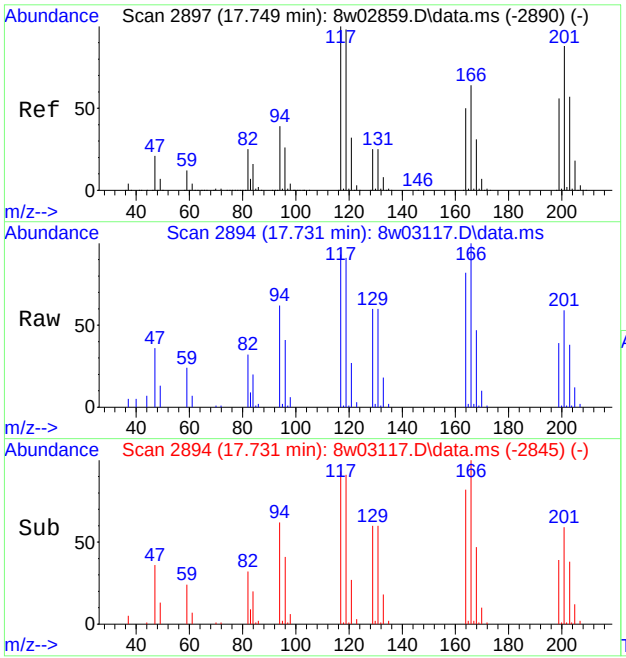


#104
N-BUTYLBENZENE
Concen: 0.44 PPBV
RT: 17.567 min Scan# 2867
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:134 Resp: 9818

Ion	Ratio	Lower	Upper
134	100		
91	395.5	305.3	457.9

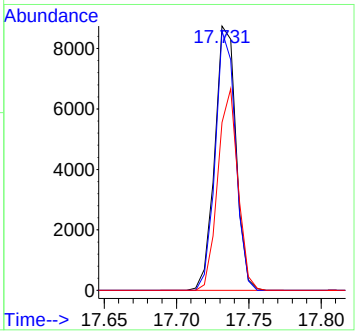


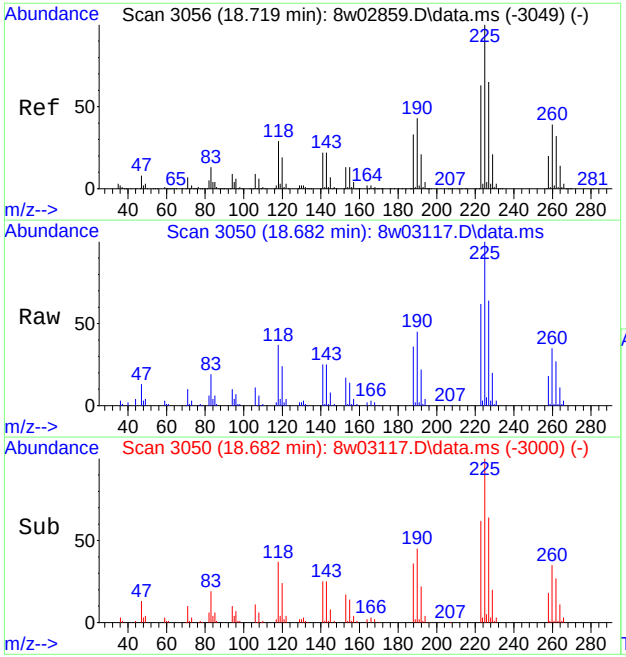


#105
HEXACHLOROETHANE
Concen: 0.35 PPBV
RT: 17.731 min Scan# 2894
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:117 Resp: 8907

Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.0	115.6
201	72.4	64.2	96.2

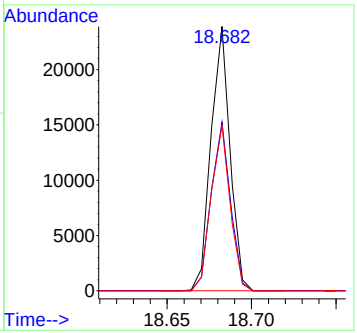


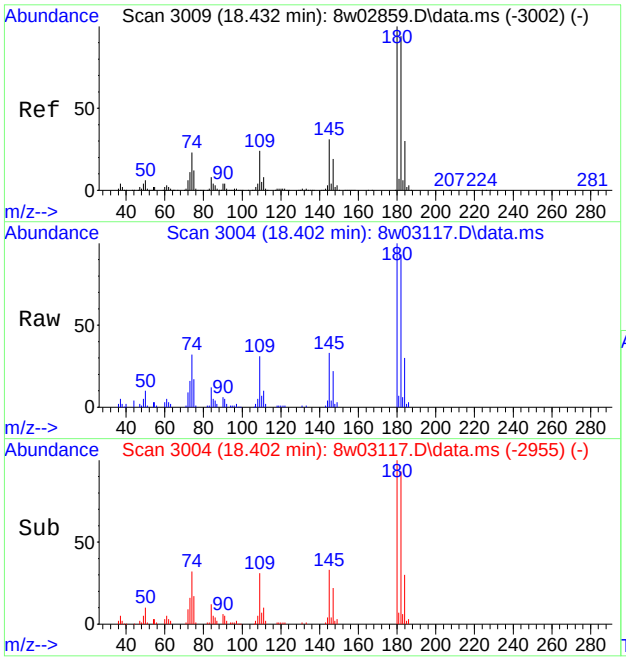


#106
HEXACHLOROBUTADIENE
Concen: 0.48 PPBV
RT: 18.682 min Scan# 3050
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:225 Resp: 18773

Ion	Ratio	Lower	Upper
225	100		
227	64.3	51.2	76.8
223	62.1	50.2	75.4

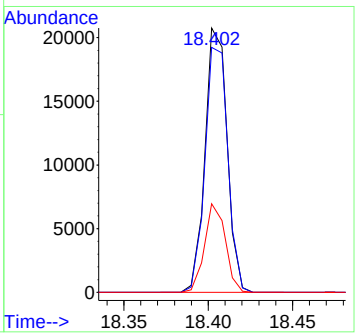


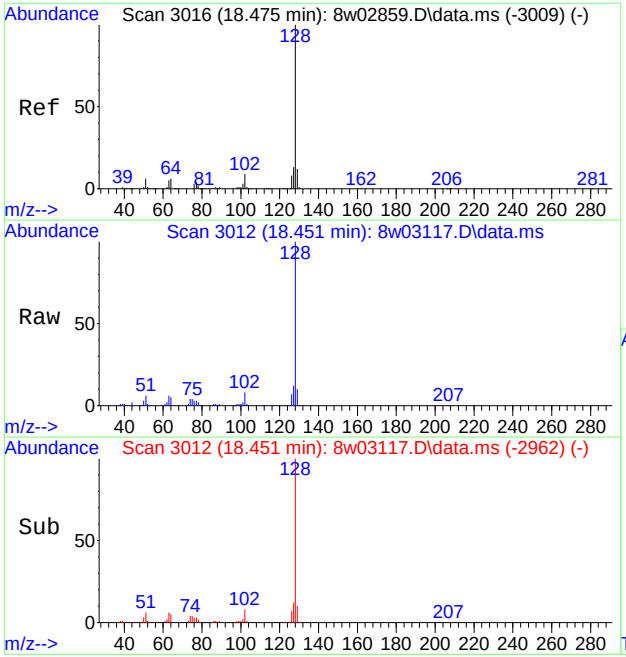


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.41 PPBV
RT: 18.402 min Scan# 3004
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:180 Resp: 18900

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
145	31.6	26.2	39.2

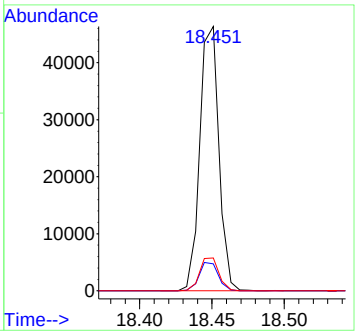


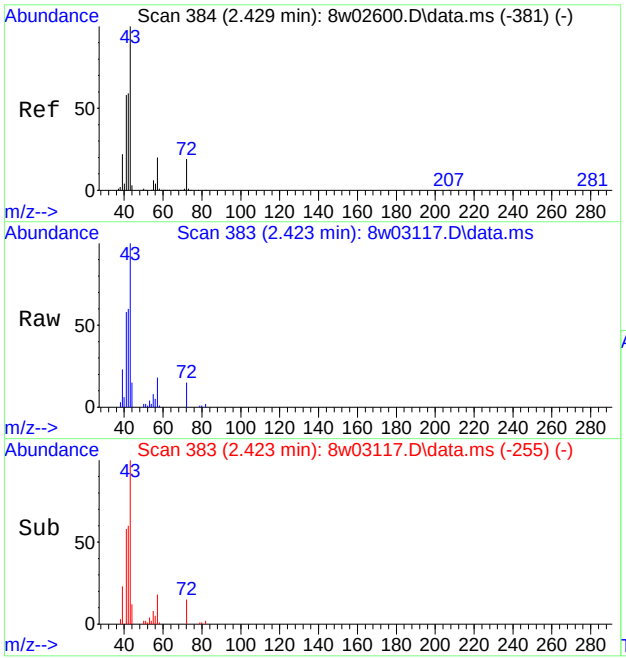


#108
NAPHTHALENE
Concen: 0.40 PPBV
RT: 18.451 min Scan# 3012
Delta R.T. 0.006 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:128 Resp: 42636

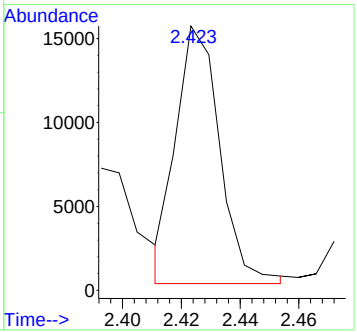
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.6	10.2	15.2





#110
TVHC as equiv Pentane
Concen: 0.35 PPBV m
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03117.D
Acq: 19 Dec 2023 10:56 pm

Tgt Ion:TIC Resp: 15922



Manual Integration Approval Summary

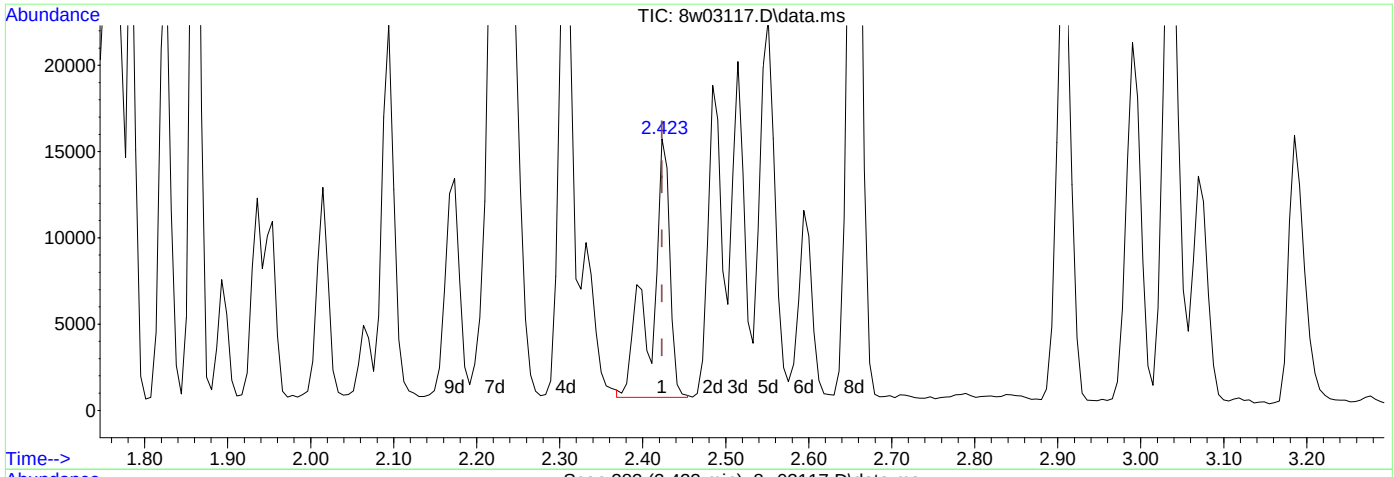
Sample Number:	V8W124-IC0124	**Method:**	TO-15
Lab FileID:	8W03117.D	**Analyst approved:**	12/21/23 10:34 Taylor Sauter
Injection Time:	12/19/23 22:56	**Supervisor approved:**	12/21/23 12:31 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03117.D
Acq On : 19 Dec 2023 10:56 pm
Operator : taylors
Sample : ic0124-0.50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:25:45 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 08:25:34 2023
Response via : Initial Calibration



TIC: 8w03117.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 0.50PPBV

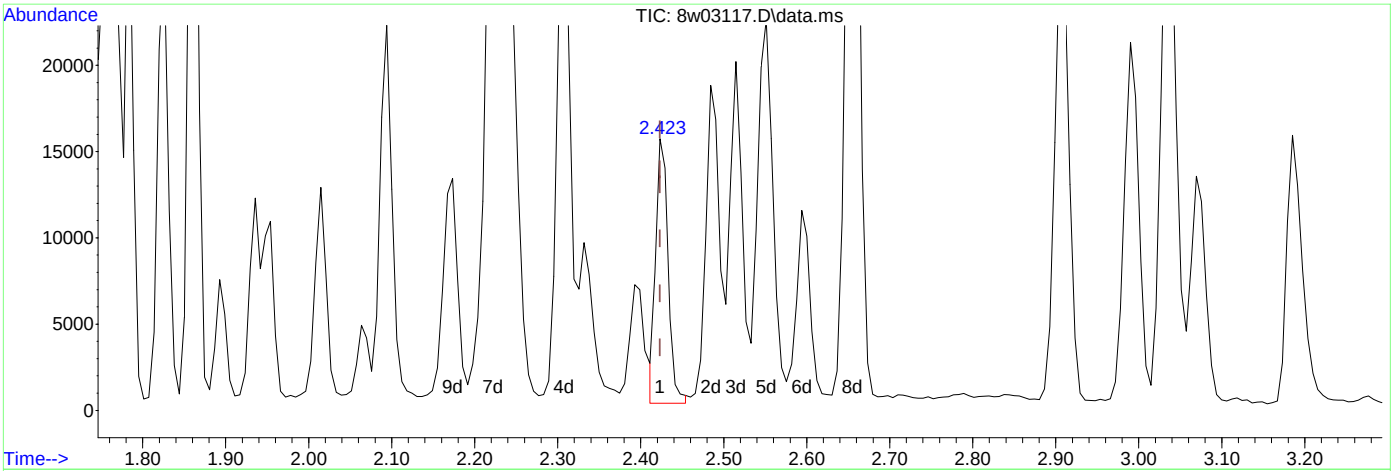
response 23094

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03117.D
Acq On : 19 Dec 2023 10:56 pm
Operator : taylors
Sample : ic0124-0.50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 08:25:45 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 08:25:34 2023
Response via : Initial Calibration



TIC: 8w03117.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 0.35PPBV m

response 15922

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/21/23 12:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03119.D
Acq On : 20 Dec 2023 12:03 am
Operator : taylors
Sample : ic0124-5
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:44:29 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	160060	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	790131	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.720	117	746022	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	160060	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.152	95	576310	9.98	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	48729	5.09	PPBV		100
4) CHLORODIFLUOROMETHANE	1.752	67	21704	5.18	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.764	116	101001	5.11	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.783	85	173475	5.11	PPBV		100
7) PROPYLENE	1.758	41	47999	5.20	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.819	65	115637	5.15	PPBV	#	100
9) FREON 114	1.856	85	131344	5.14	PPBV		99
10) CHLOROMETHANE	1.825	52	9142	5.25	PPBV		100
11) VINYL CHLORIDE	1.892	62	39182	5.06	PPBV		100
12) 1,3-BUTADIENE	1.929	54	26952	5.04	PPBV		99
13) N-BUTANE	1.947	43	44481	5.12	PPBV		99
14) BROMOMETHANE	2.008	94	41197	5.11	PPBV		100
15) CHLOROETHANE	2.063	64	21599	5.11	PPBV		99
16) DICHLOROFLUOROMETHANE	2.088	67	104946	5.12	PPBV		99
17) ACETONITRILE	2.161	41	25560	5.20	PPBV		99
18) ACROLEIN	2.203	56	17772	5.14	PPBV		99
19) FREON 123	2.216	83	104086	5.10	PPBV		99
20) FREON 123A	2.234	117	67524	5.07	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.301	101	159110	5.10	PPBV		99
22) ISOPROPYL ALCOHOL	2.325	45	69691	5.09	PPBV		98
23) ACETONE	2.240	58	19306	5.28	PPBV		97
24) PENTANE	2.423	42	30466	5.19	PPBV		99
25) IODOMETHANE	2.484	142	119046	5.03	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.514	96	42590	5.16	PPBV		99
27) CARBON DISULFIDE	2.655	76	87041	4.88	PPBV	#	100
28) ETHANOL	2.094	45	15281	5.16	PPBV		99
29) BROMOETHENE	2.167	106	42526	5.03	PPBV		99
30) ACRYLONITRILE	2.392	52	25132	5.14	PPBV		100
31) METHYLENE CHLORIDE	2.551	84	36606	5.11	PPBV		99
32) 3-CHLOROPROPENE	2.594	76	18268	5.03	PPBV		100
33) FREON 113	2.655	151	83391	5.04	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.904	96	73879	5.15	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.526	59	89363	4.96	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.026	73	208815	4.96	PPBV		100
37) TETRAHYDROFURAN	3.795	72	36339	4.93	PPBV		98
38) HEXANE	3.532	57	128998	5.37	PPBV		100
39) VINYL ACETATE	3.069	86	18561	4.64	PPBV		91
40) 1,1-DICHLOROETHANE	2.990	63	138350	5.10	PPBV		100
41) METHYL ETHYL KETONE	3.173	72	38860	5.04	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.392	96	84635	5.02	PPBV		99
43) DIISOPROPYL ETHER	3.545	59	38338	5.29	PPBV		95
44) ETHYL ACETATE	3.545	61	23767	5.21	PPBV		92
45) METHYL ACRYLATE	3.532	55	154201	5.23	PPBV	#	99
46) CHLOROFORM	3.557	83	165885	5.18	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.099	57	158045	5.09	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.185	97	162163	4.85	PPBV		98
49) CARBON TETRACHLORIDE	4.642	117	163607	4.79	PPBV		99
50) 1,2-DICHLOROETHANE	4.008	62	119929	5.07	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03119.D
Acq On : 20 Dec 2023 12:03 am
Operator : taylors
Sample : ic0124-5
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:44:29 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.520	78	231835	5.02	PPBV	99
53)	CYCLOHEXANE	4.752	84	104641	5.01	PPBV	98
54)	2,3-DIMETHYLPENTANE	5.026	71	53207	5.06	PPBV	100
55)	TRICHLOROETHENE	5.489	95	108718	5.10	PPBV	100
56)	1,2-DICHLOROPROPANE	5.239	63	89160	5.15	PPBV	99
57)	DIBROMOMETHANE	5.197	174	98785	5.07	PPBV	100
58)	ETHYL ACRYLATE	5.367	55	184853	5.00	PPBV	99
59)	BROMODICHLOROMETHANE	5.434	83	171753	4.99	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.593	57	414777	5.19	PPBV	100
61)	1,4-DIOXANE	5.508	88	58063	5.17	PPBV	98
62)	HEPTANE	5.928	43	128970	5.16	PPBV	99
63)	METHYL METHACRYLATE	5.819	69	84145	4.99	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.599	58	78226	5.14	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	6.489	75	118578	4.77	PPBV	99
66)	TOLUENE	7.757	91	289355	5.06	PPBV	100
67)	1,3-DICHLOROPROPANE	7.818	76	142789	5.12	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	7.202	75	100671	4.58	PPBV	99
69)	1,1,2-TRICHLOROETHANE	7.367	83	83047	5.19	PPBV	99
70)	2-HEXANONE	8.355	58	104689	5.16	PPBV	98
71)	ETHYL METHACRYLATE	8.489	69	133387	4.94	PPBV	99
72)	TETRACHLOROETHENE	9.556	164	122493	5.33	PPBV	100
73)	DIBROMOCHLOROMETHANE	8.318	129	161455	4.82	PPBV	100
74)	1,2-DIBROMOETHANE	8.672	107	155231	5.08	PPBV	100
75)	OCTANE	9.702	43	190750	5.60	PPBV	98
77)	1,1,1,2-TETRACHLOROETHANE	10.812	131	123932	4.99	PPBV	100
78)	CHLOROBENZENE	10.799	112	249312	5.14	PPBV	98
79)	ETHYLBENZENE	11.702	91	410471	5.07	PPBV	99
80)	M,P-XYLENE	12.098	91	647084	10.25	PPBV	98
81)	O-XYLENE	13.098	91	328092	5.15	PPBV	99
82)	STYRENE	12.878	104	247304	5.05	PPBV	100
83)	NONANE	14.220	43	199206	5.20	PPBV	98
84)	BROMOFORM	11.952	173	154222	4.73	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	13.104	83	228785	5.23	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	13.390	75	181827	5.13	PPBV	100
88)	ISOPROPYLBENZENE	14.628	120	122831	5.16	PPBV	100
89)	BROMOBENZENE	14.506	77	228044	5.15	PPBV	99
90)	2-CHLOROTOLUENE	15.652	126	110144	5.06	PPBV	100
91)	N-PROPYLBENZENE	15.975	120	126976	5.12	PPBV	100
92)	4-ETHYLTOLUENE	16.262	105	472772	5.20	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.402	105	397085	5.22	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.585	118	192294	5.17	PPBV	100
95)	TERT-BUTYLBENZENE	16.823	134	90115	5.52	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.829	105	388717	5.36	PPBV	99
97)	BENZYL CHLORIDE	16.908	91	150182	4.07	PPBV	100
98)	M-DICHLOROBENZENE	16.884	146	257396	5.27	PPBV	99
99)	P-DICHLOROBENZENE	16.963	146	258401	5.25	PPBV	100
100)	O-DICHLOROBENZENE	17.231	146	241965	5.36	PPBV	99
101)	SEC-BUTYLBENZENE	17.079	134	111104	5.30	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	17.182	105	396242	5.28	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.243	134	119990	5.40	PPBV	100
104)	N-BUTYLBENZENE	17.566	134	115835	5.29	PPBV	99
105)	HEXACHLOROETHANE	17.731	117	120669	4.83	PPBV	100
106)	HEXACHLOROBUTADIENE	18.676	225	196221	5.03	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.402	180	230222	5.02	PPBV	99
108)	NAPHTHALENE	18.444	128	528613	5.06	PPBV	100
110)	TVHC as equiv Pentane	2.423	TIC	165771m	3.58	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03119.D
Acq On : 20 Dec 2023 12:03 am
Operator : taylors
Sample : ic0124-5
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:44:29 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

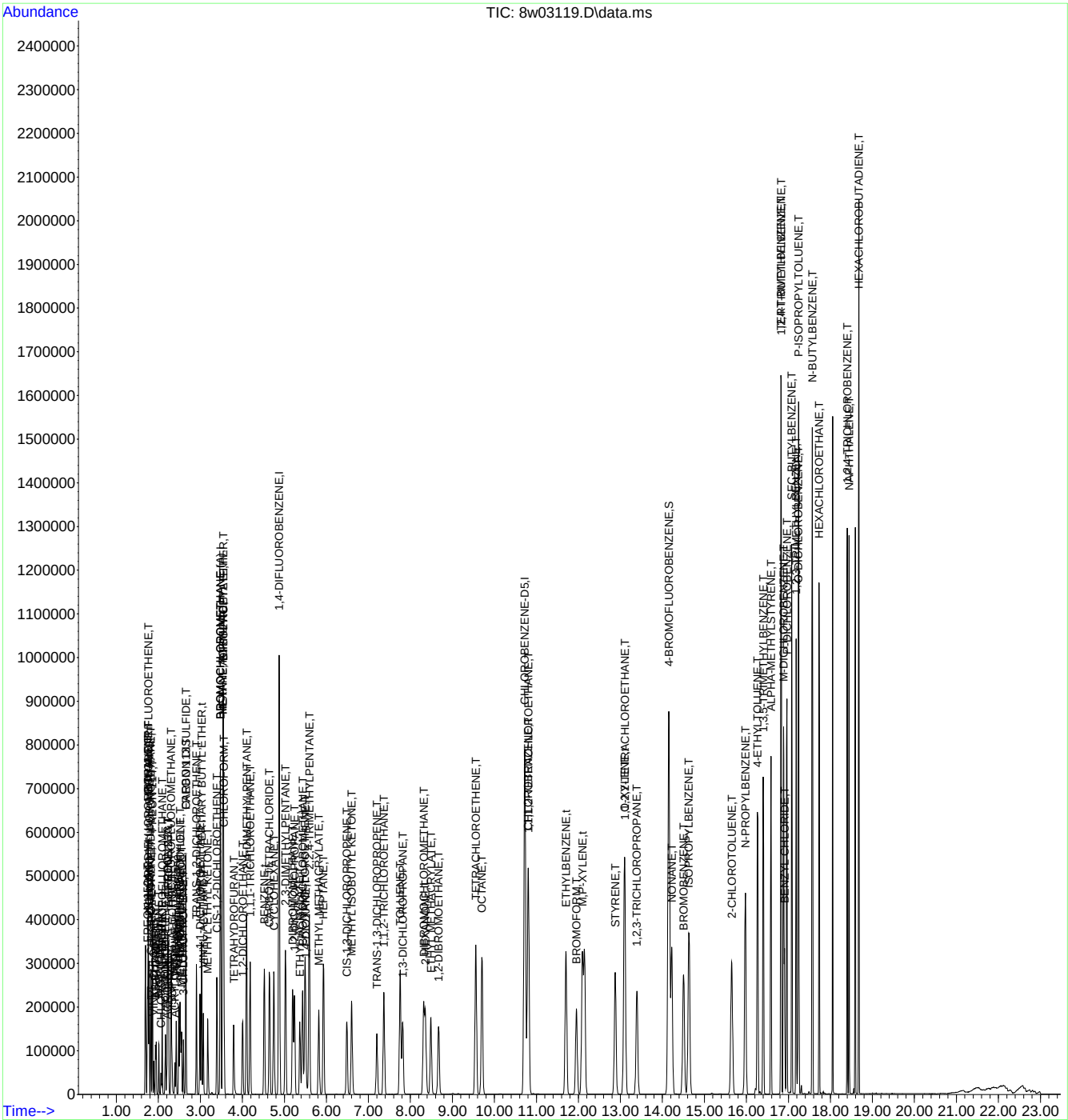
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

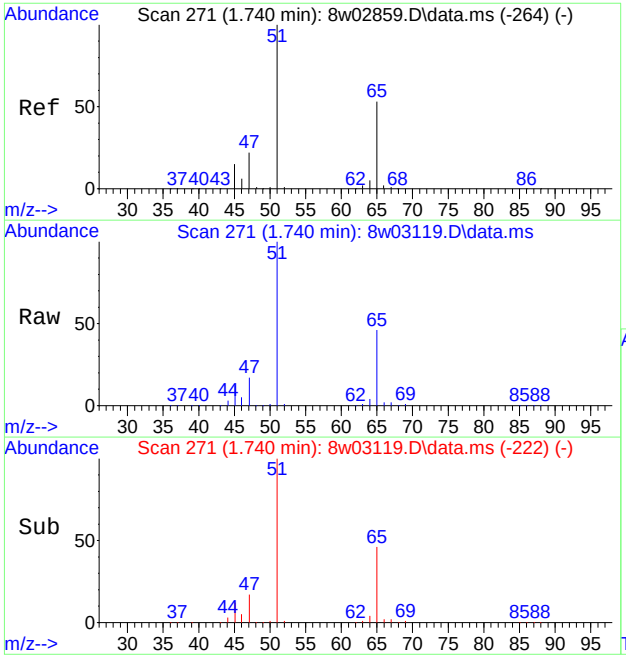
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03119.D
Acq On : 20 Dec 2023 12:03 am
Operator : taylors
Sample : ic0124-5
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:44:29 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

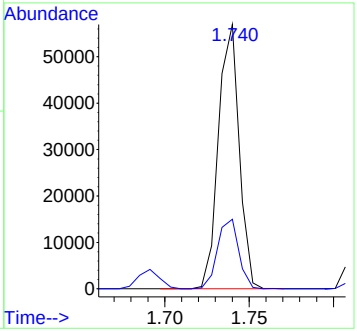


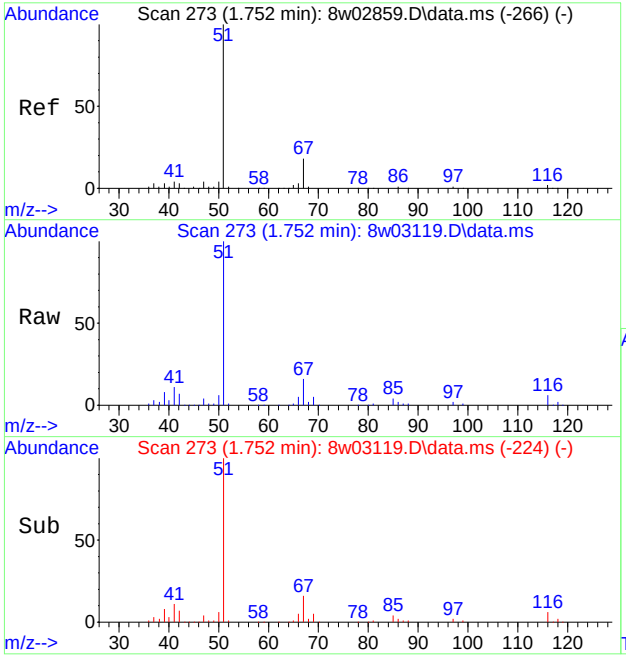


#3
FREON 152A
Concen: 5.09 PPBV
RT: 1.740 min Scan# 271
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 65 Resp: 48729

Ion	Ratio	Lower	Upper
65	100		
45	27.1	21.5	32.3

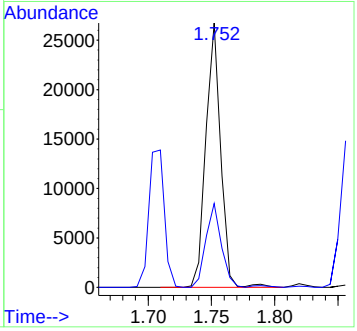


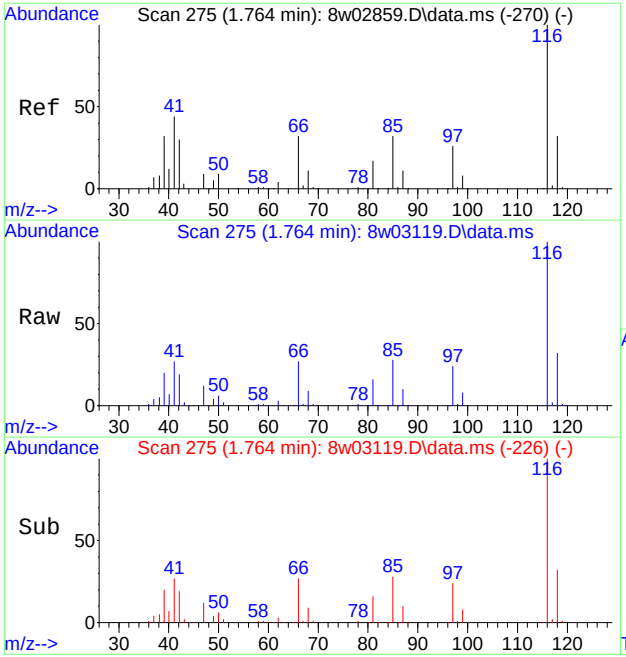


#4
CHLORODIFLUOROMETHANE
Concen: 5.18 PPBV
RT: 1.752 min Scan# 273
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 67 Resp: 21704

Ion	Ratio	Lower	Upper
67	100		
69	34.0	27.3	40.9

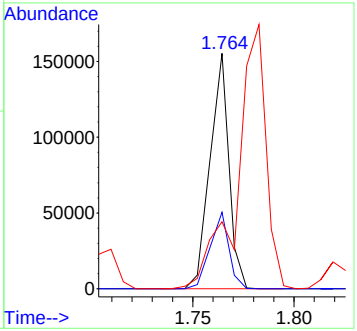


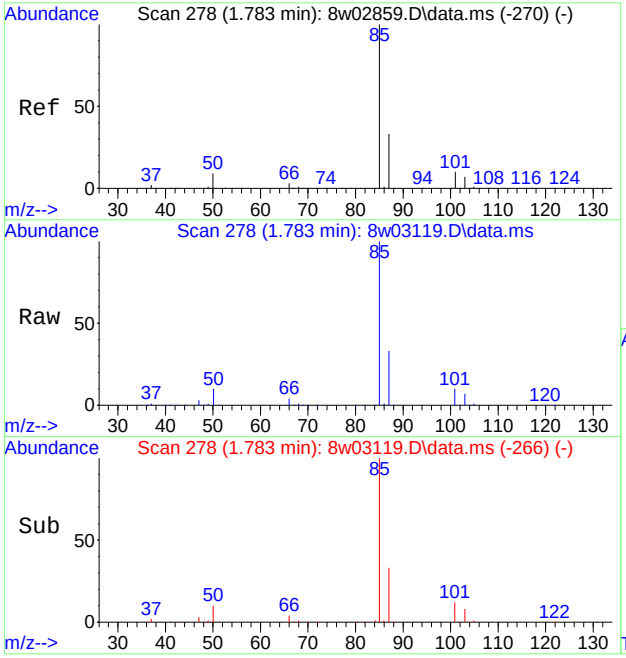


#5
CHLOROTRIFLUOROETHENE
Concen: 5.11 PPBV
RT: 1.764 min Scan# 275
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:116 Resp: 101001

Ion	Ratio	Lower	Upper
116	100		
118	32.3	26.1	39.1
85	171.8	137.4	206.2

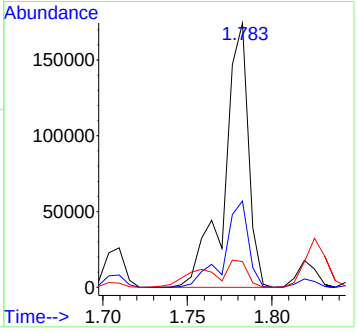


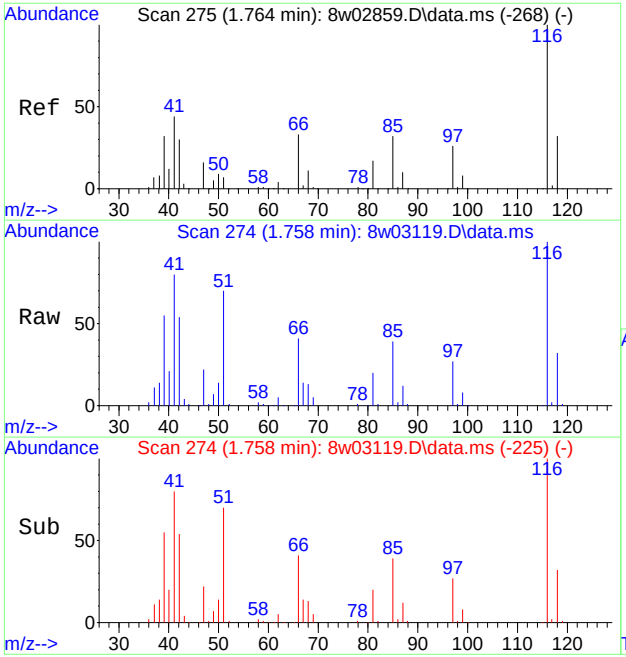


#6
DICHLORODIFLUOROMETHANE
Concen: 5.11 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 85 Resp: 173475

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.3	39.5
50	17.0	13.8	20.6

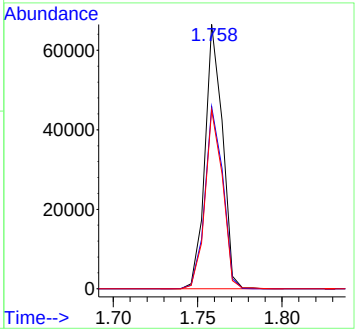


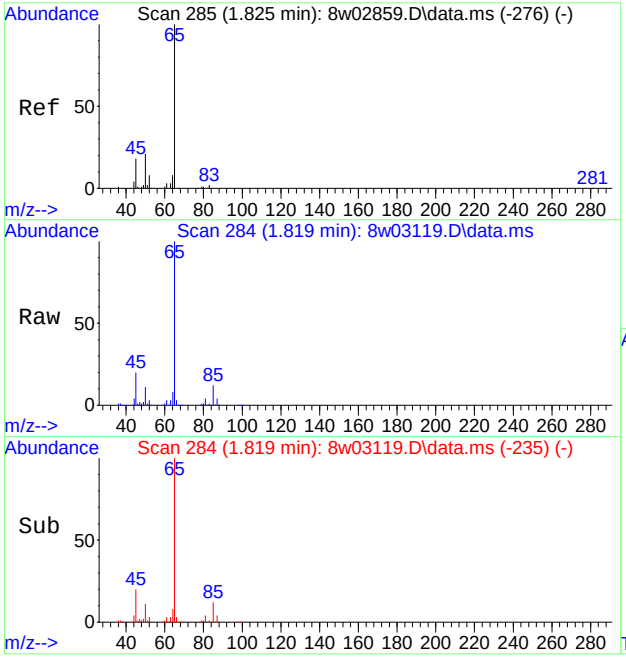


#7
PROPYLENE
Concen: 5.20 PPBV
RT: 1.758 min Scan# 274
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 41 Resp: 47999

Ion	Ratio	Lower	Upper
41	100		
39	70.3	55.8	83.6
42	67.8	53.8	80.6

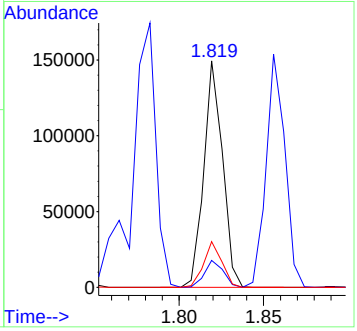


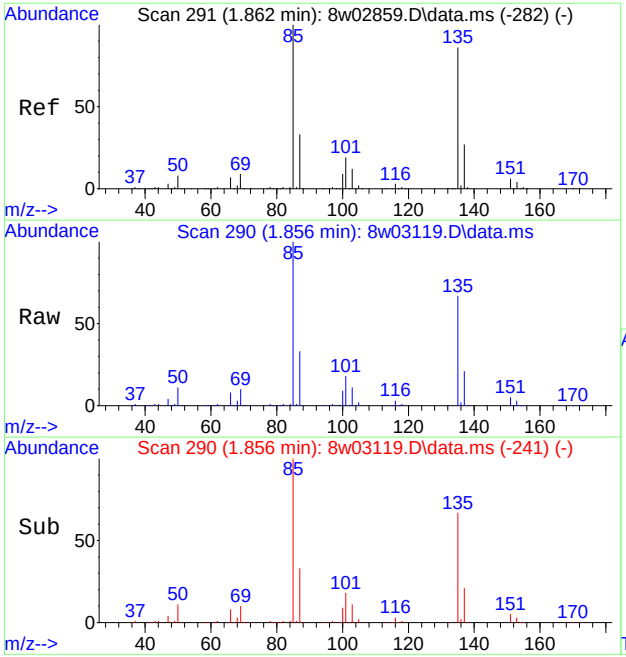


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 5.15 PPBV
RT: 1.819 min Scan# 284
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 65 Resp: 115637

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	19.7	15.9	23.9

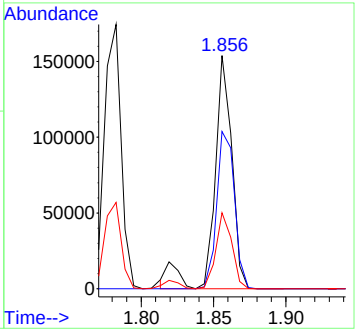


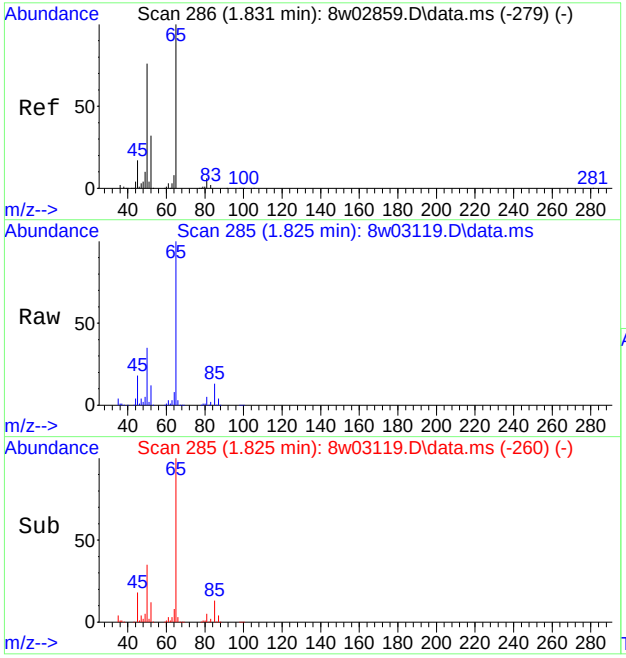


#9
FREON 114
Concen: 5.14 PPBV
RT: 1.856 min Scan# 290
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 85 Resp: 131344

Ion	Ratio	Lower	Upper
85	100		
135	67.8	54.9	82.3
87	32.5	25.8	38.8

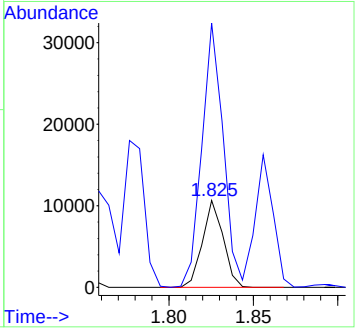


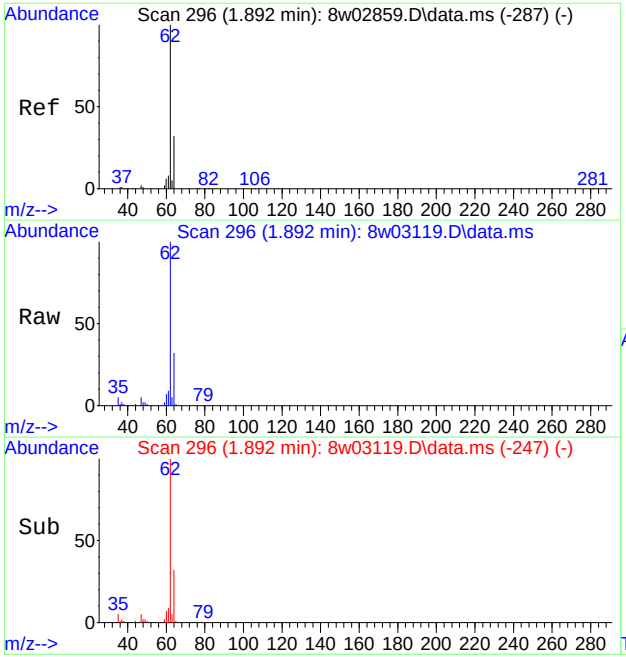


#10
CHLOROMETHANE
Concen: 5.25 PPBV
RT: 1.825 min Scan# 285
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 52 Resp: 9142

Ion	Ratio	Lower	Upper
52	100		
50	447.2	358.1	537.1

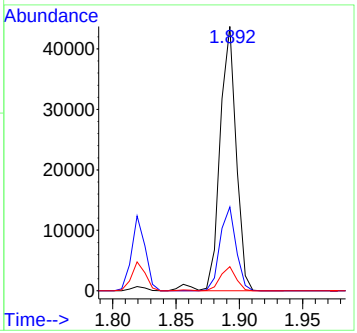


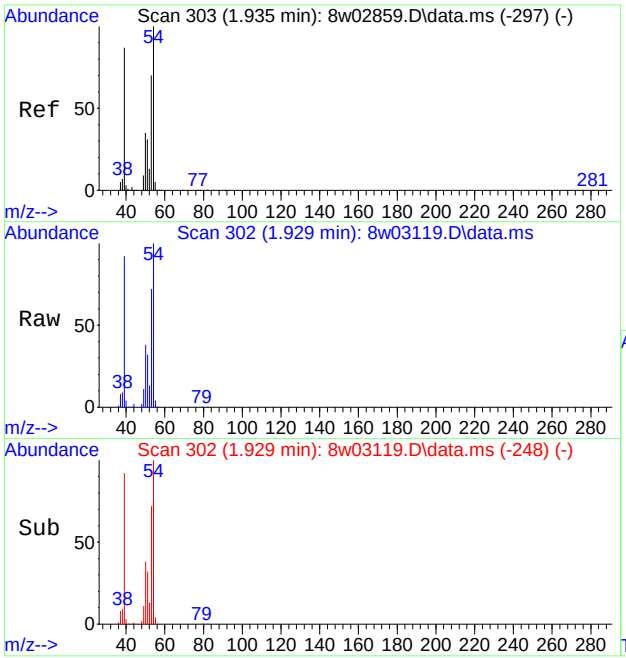


#11
VINYL CHLORIDE
Concen: 5.06 PPBV
RT: 1.892 min Scan# 296
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 62 Resp: 39182

Ion	Ratio	Lower	Upper
62	100		
64	31.2	24.9	37.3
61	9.1	7.0	10.4

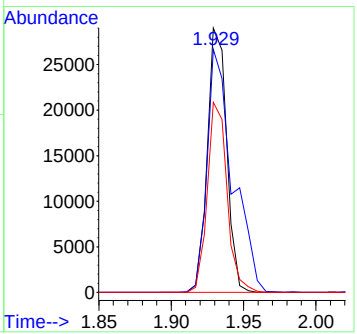


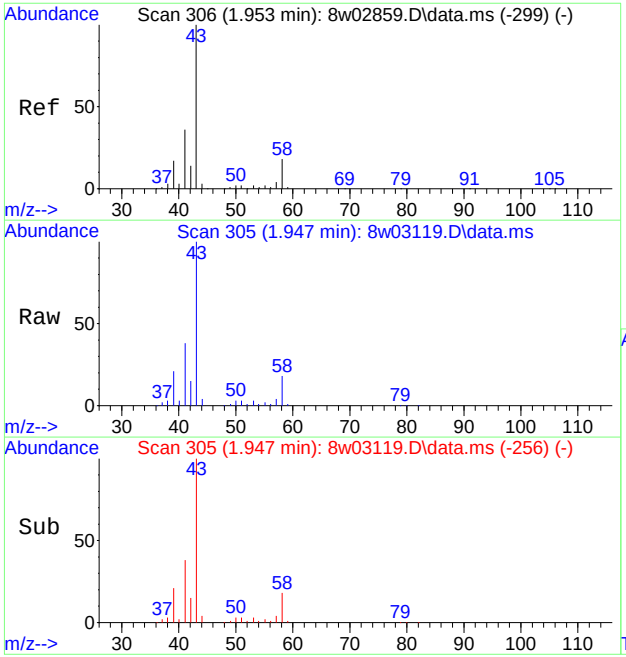


#12
1,3-BUTADIENE
Concen: 5.04 PPBV
RT: 1.929 min Scan# 302
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 54 Resp: 26952

Ion	Ratio	Lower	Upper
54	100		
39	122.3	101.6	141.6
53	73.4	51.8	91.8

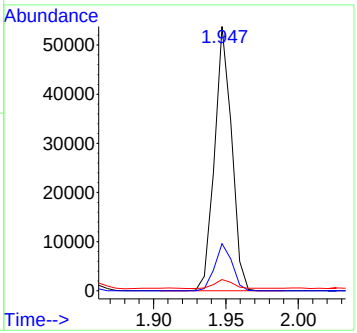


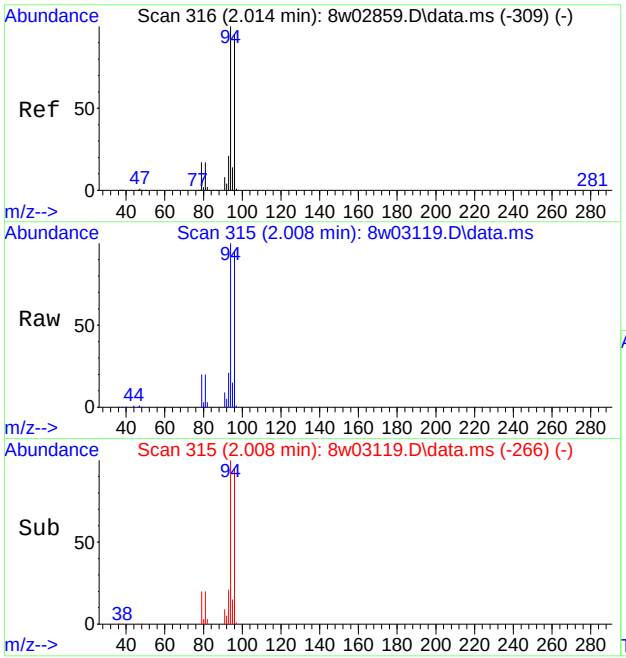


#13
N-BUTANE
Concen: 5.12 PPBV
RT: 1.947 min Scan# 305
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 43 Resp: 44481

Ion	Ratio	Lower	Upper
43	100		
58	18.1	14.2	21.4
44	3.4	2.9	4.3

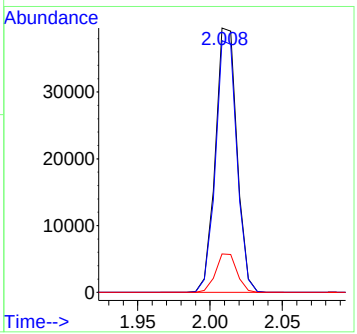


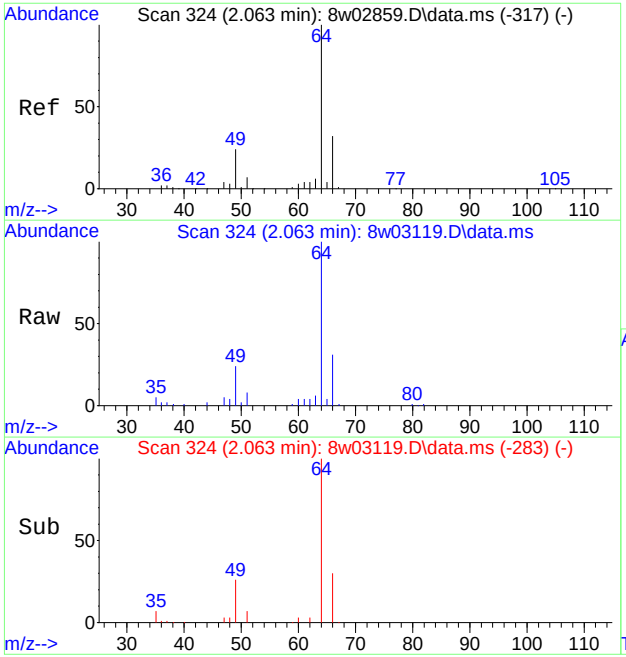


#14
BROMOMETHANE
Concen: 5.11 PPBV
RT: 2.008 min Scan# 315
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 94 Resp: 41197

Ion	Ratio	Lower	Upper
94	100		
96	94.5	76.0	114.0
95	14.4	11.5	17.3

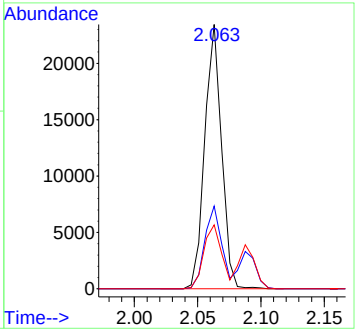


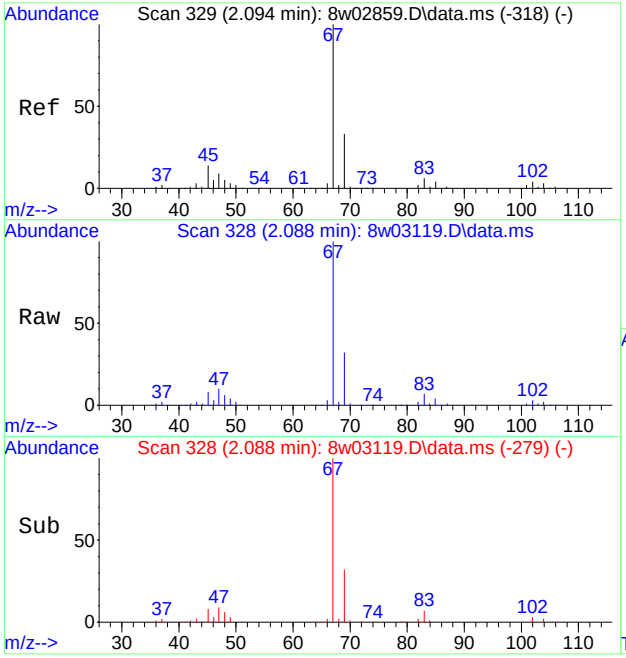


#15
CHLOROETHANE
Concen: 5.11 PPBV
RT: 2.063 min Scan# 324
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 64 Resp: 21599

Ion	Ratio	Lower	Upper
64	100		
66	45.9	36.3	54.5
49	42.2	33.8	50.8

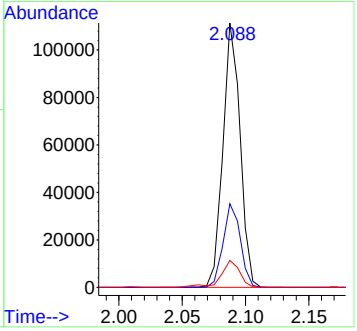


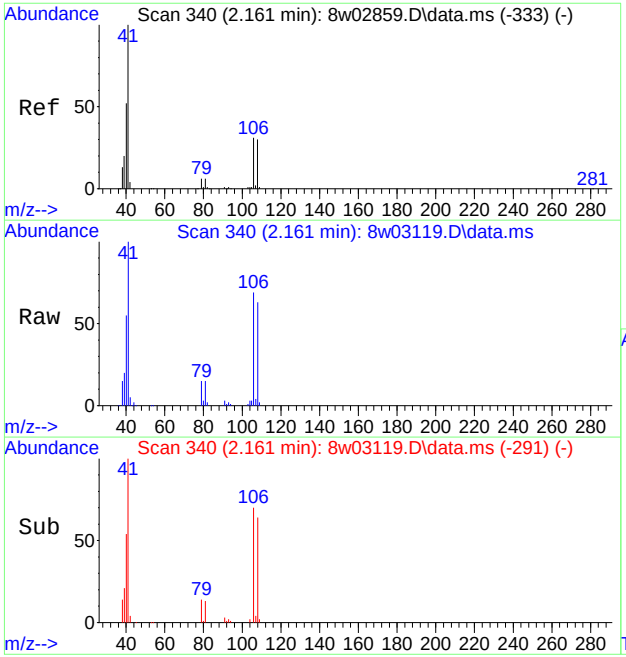


#16
DICHLOROFLUOROMETHANE
Concen: 5.12 PPBV
RT: 2.088 min Scan# 328
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 67 Resp: 104946

Ion	Ratio	Lower	Upper
67	100		
69	31.7	25.7	38.5
47	11.0	8.7	13.1

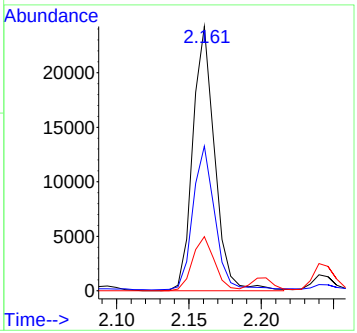


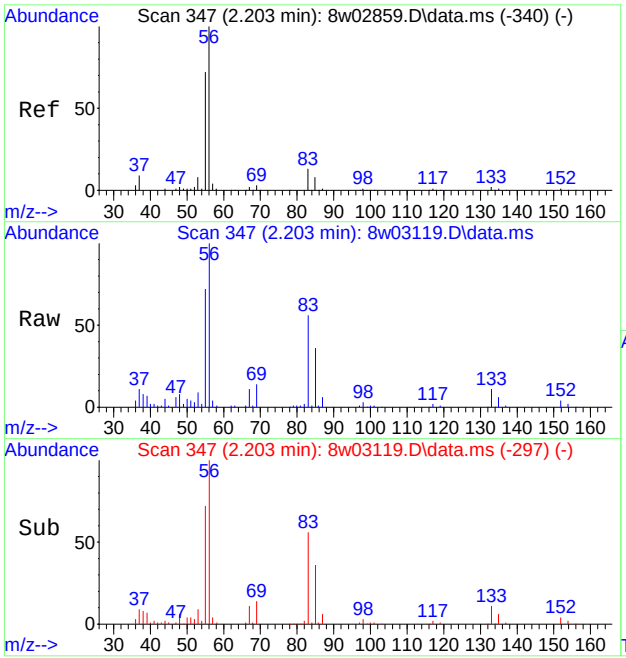


#17
ACETONITRILE
Concen: 5.20 PPBV
RT: 2.161 min Scan# 340
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 41 Resp: 25560

Ion	Ratio	Lower	Upper
41	100		
40	54.2	43.3	64.9
39	21.5	17.8	26.6

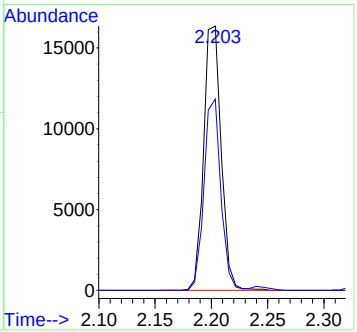


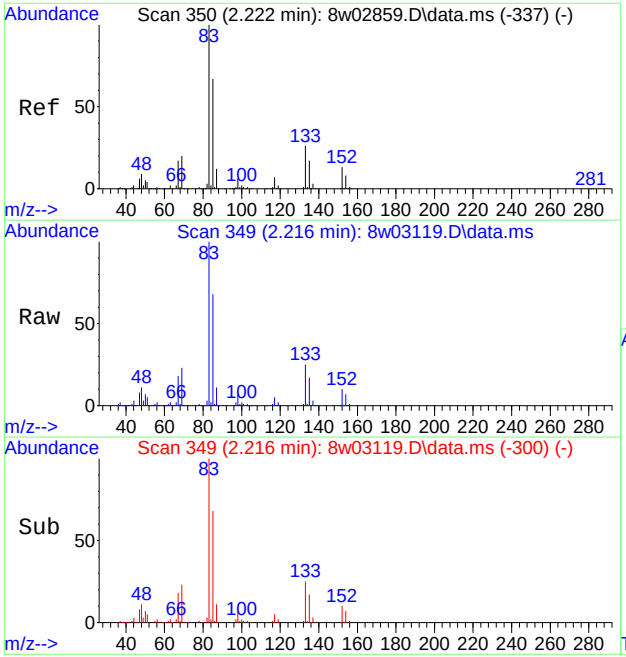


#18
ACROLEIN
Concen: 5.14 PPBV
RT: 2.203 min Scan# 347
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 56 Resp: 17772

Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.2	85.8

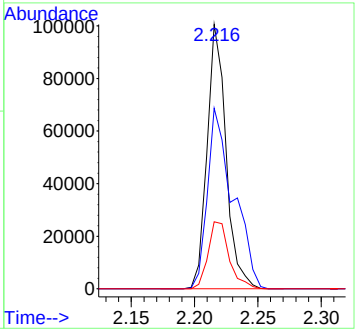


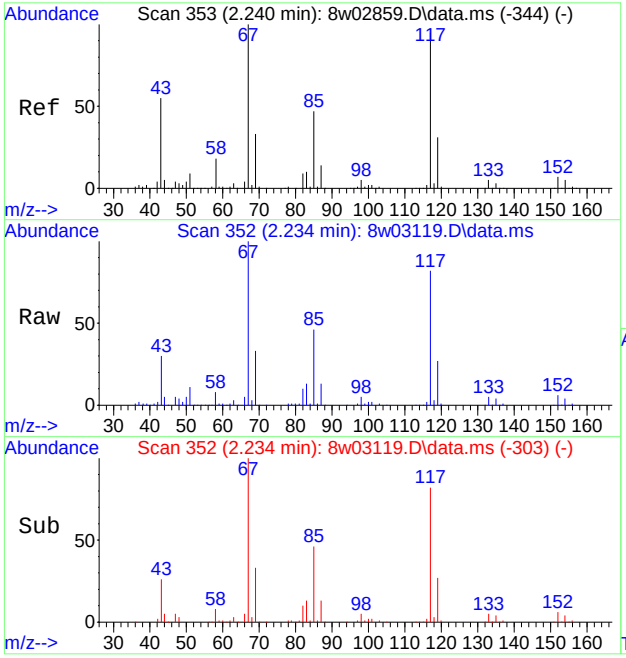


#19
FREON 123
Concen: 5.10 PPBV
RT: 2.216 min Scan# 349
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 83 Resp: 104086

Ion	Ratio	Lower	Upper
83	100		
85	92.9	73.7	110.5
133	28.3	22.6	34.0

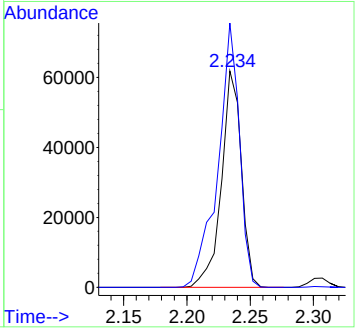


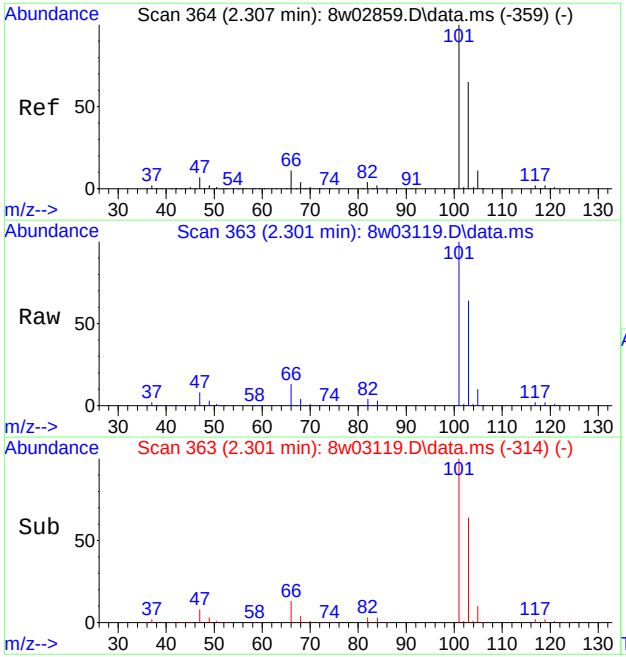


#20
FREON 123A
Concen: 5.07 PPBV
RT: 2.234 min Scan# 352
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:117 Resp: 67524

Ion	Ratio	Lower	Upper
117	100		
67	131.9	103.7	155.5

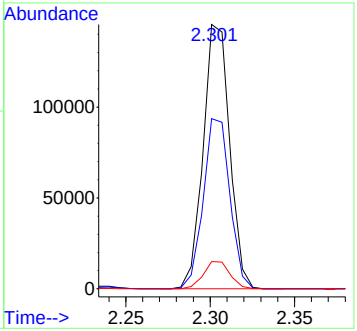


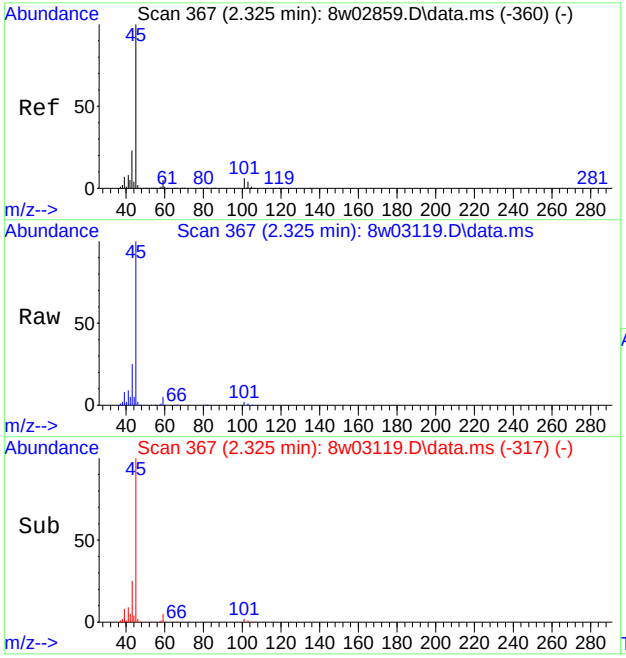


#21
TRICHLOROFLUOROMETHANE
Concen: 5.10 PPBV
RT: 2.301 min Scan# 363
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:101 Resp: 159110

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.0	78.0
105	10.3	8.3	12.5

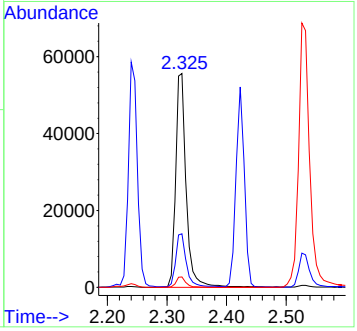


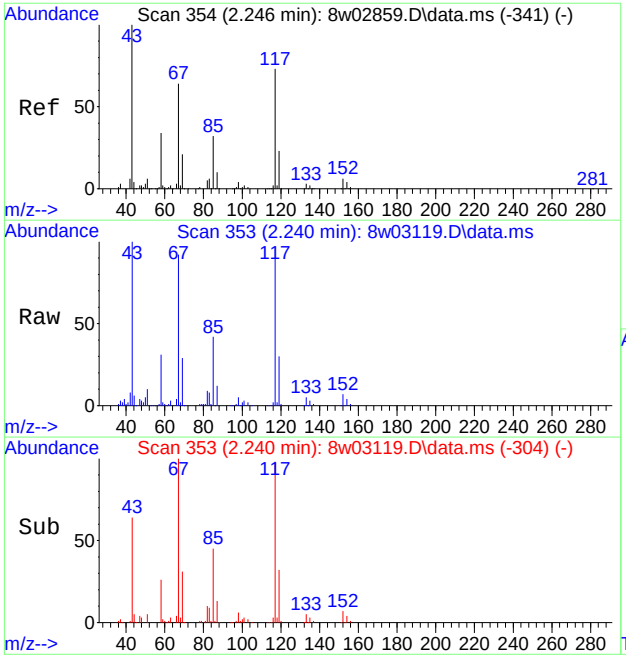


#22
ISOPROPYL ALCOHOL
Concen: 5.09 PPBV
RT: 2.325 min Scan# 367
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 45 Resp: 69691

Ion	Ratio	Lower	Upper
45	100		
43	24.6	18.8	28.2
59	4.7	3.8	5.6

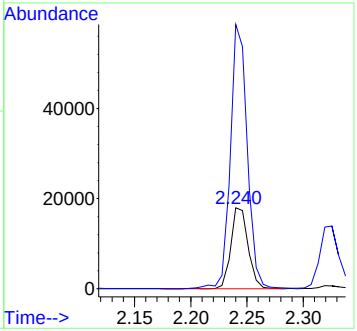


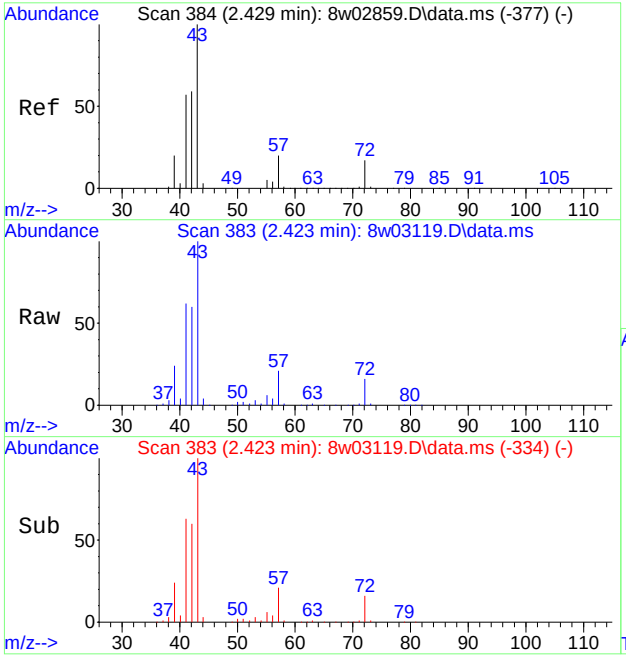


#23
ACETONE
Concen: 5.28 PPBV
RT: 2.240 min Scan# 353
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 58 Resp: 19306

Ion	Ratio	Lower	Upper
58	100		
43	319.8	261.4	392.2

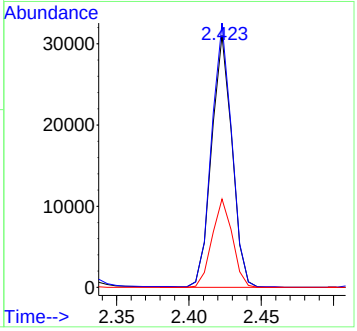


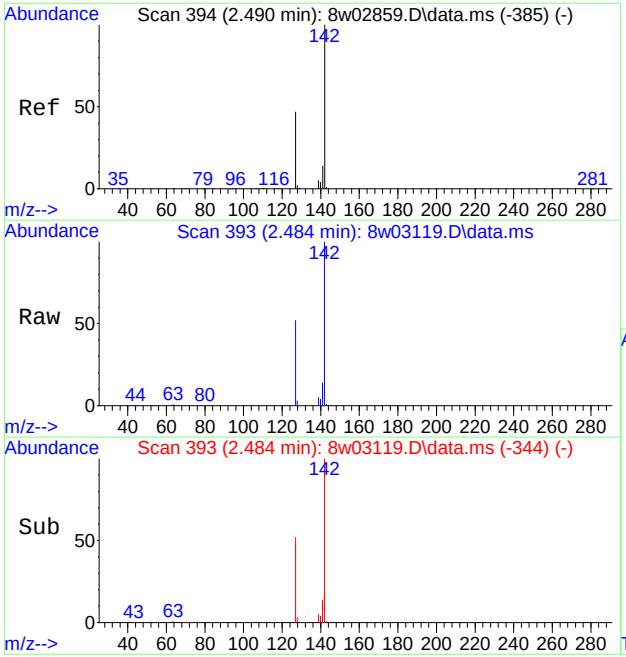


#24
PENTANE
Concen: 5.19 PPBV
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 42 Resp: 30466

Ion	Ratio	Lower	Upper
42	100		
41	104.4	84.2	126.4
57	34.9	28.9	43.3

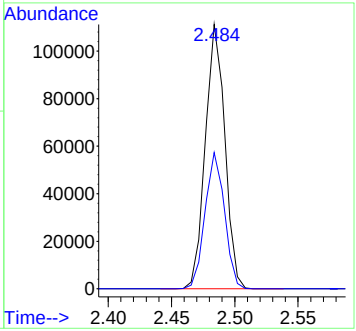


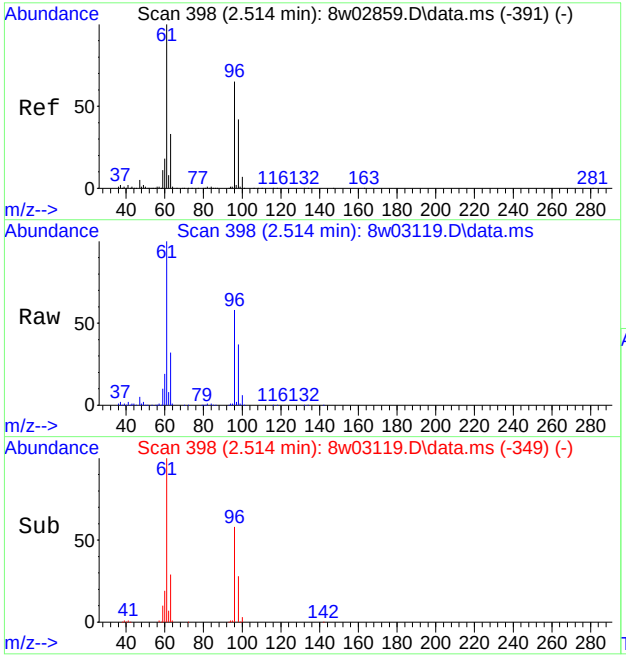


#25
IODOMETHANE
Concen: 5.03 PPBV
RT: 2.484 min Scan# 393
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:142 Resp: 119046

Ion	Ratio	Lower	Upper
142	100		
127	51.3	41.2	61.8

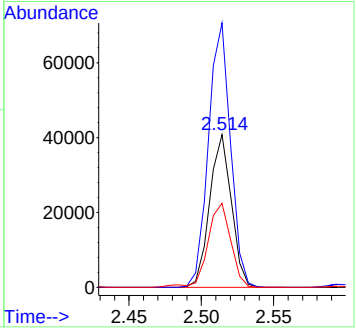


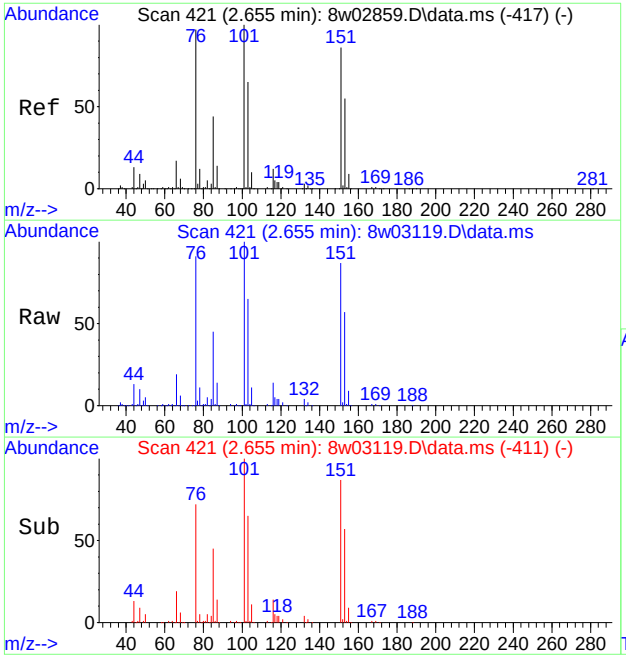


#26
1,1-DICHLOROETHYLENE
Concen: 5.16 PPBV
RT: 2.514 min Scan# 398
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 96 Resp: 42590

Ion	Ratio	Lower	Upper
96	100		
61	175.6	141.9	212.9
63	58.1	47.2	70.8

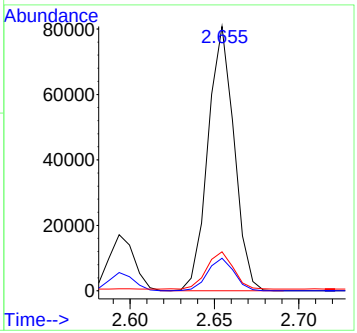


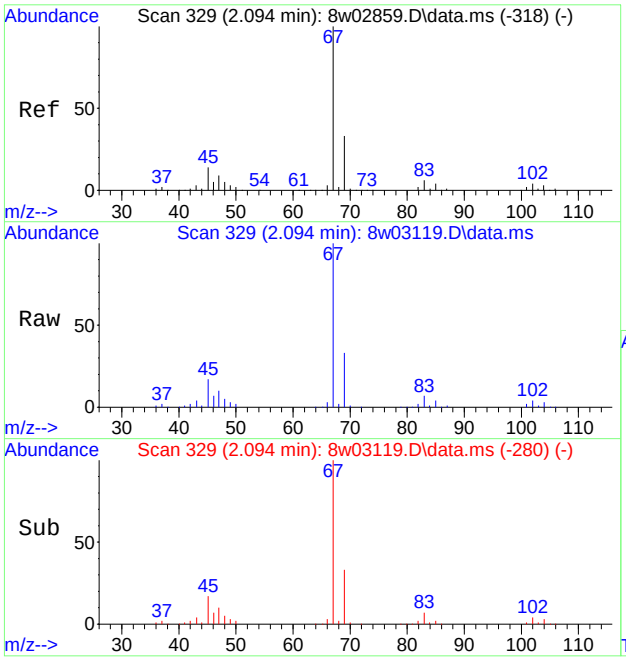


#27
CARBON DISULFIDE
Concen: 4.88 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 76 Resp: 87041

Ion	Ratio	Lower	Upper
76	100		
78	12.5	0.0	0.0#
44	14.5	0.0	0.0#

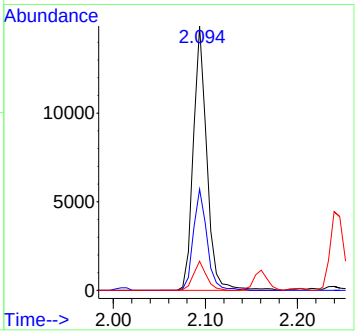


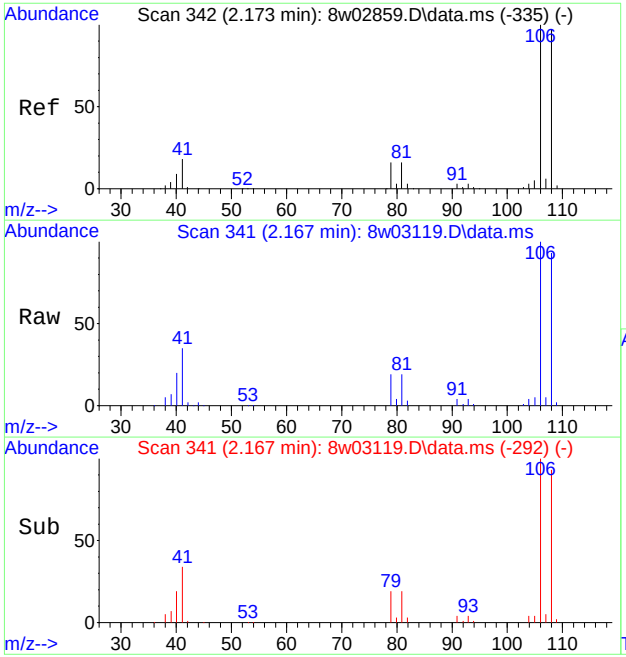


#28
ETHANOL
Concen: 5.16 PPBV
RT: 2.094 min Scan# 329
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 45 Resp: 15281

Ion	Ratio	Lower	Upper
45	100		
46	38.6	30.1	45.1
42	10.7	8.3	12.5

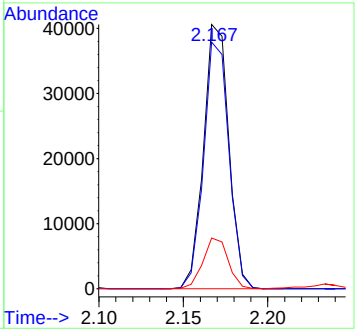


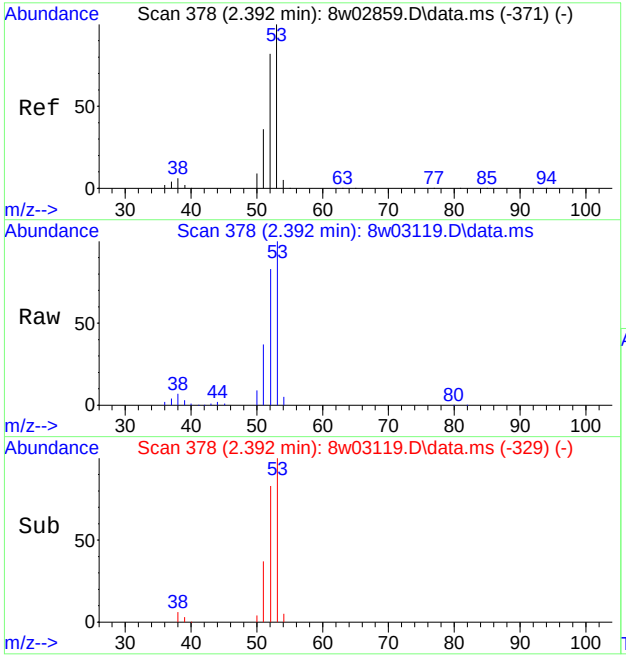


#29
BROMOETHENE
Concen: 5.03 PPBV
RT: 2.167 min Scan# 341
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:106 Resp: 42526

Ion	Ratio	Lower	Upper
106	100		
108	93.0	74.6	111.8
81	19.2	14.5	21.7

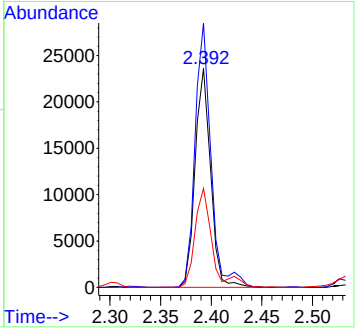


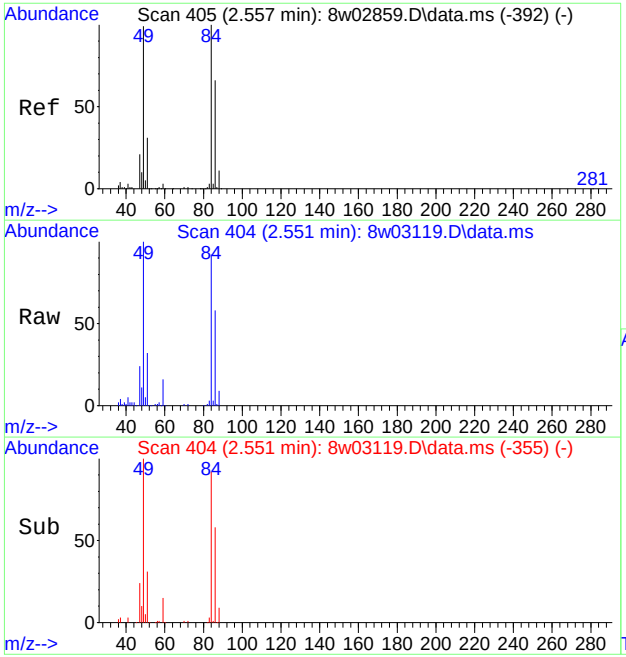


#30
ACRYLONITRILE
Concen: 5.14 PPBV
RT: 2.392 min Scan# 378
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 52 Resp: 25132

Ion	Ratio	Lower	Upper
52	100		
53	123.9	99.6	149.4
51	50.1	40.1	60.1

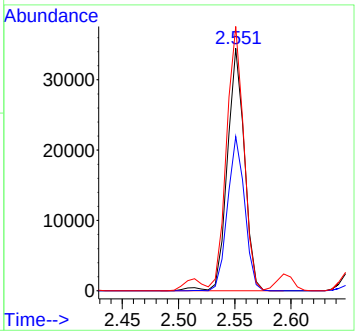


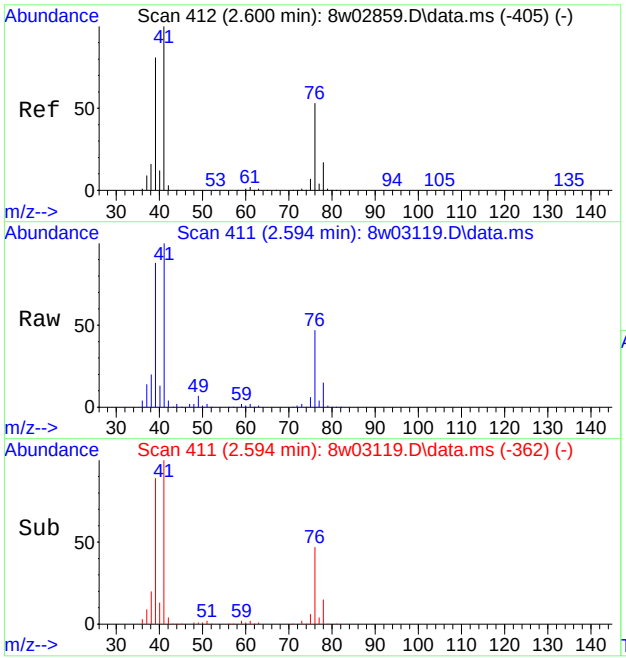


#31
METHYLENE CHLORIDE
Concen: 5.11 PPBV
RT: 2.551 min Scan# 404
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 84 Resp: 36606

Ion	Ratio	Lower	Upper
84	100		
86	63.7	51.0	76.4
49	116.0	92.1	138.1

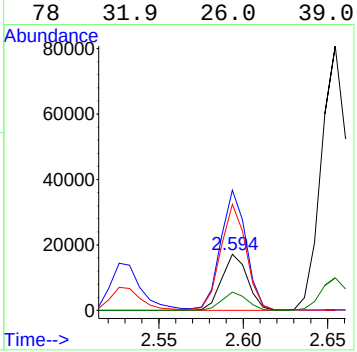


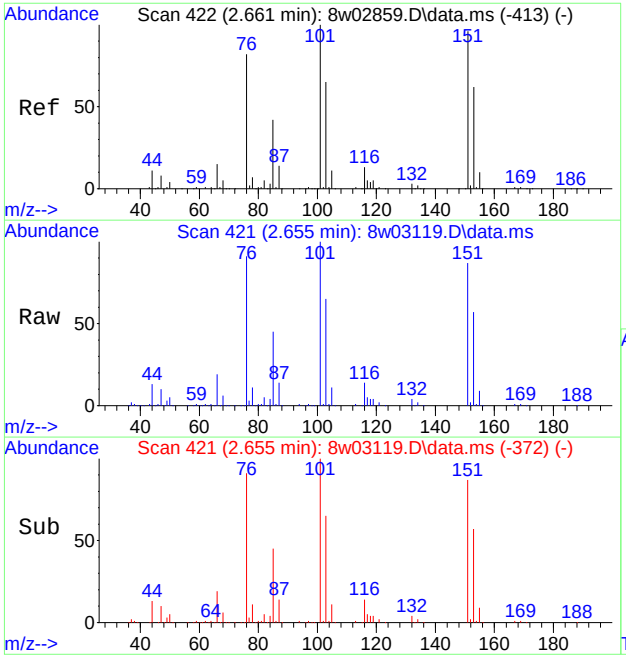


#32
3-CHLOROPROPENE
Concen: 5.03 PPBV
RT: 2.594 min Scan# 411
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 76 Resp: 18268

Ion	Ratio	Lower	Upper
76	100		
41	213.7	170.6	256.0
39	188.7	151.0	226.4
78	31.9	26.0	39.0

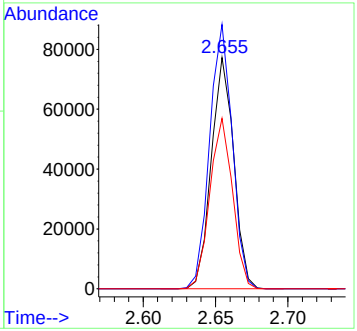


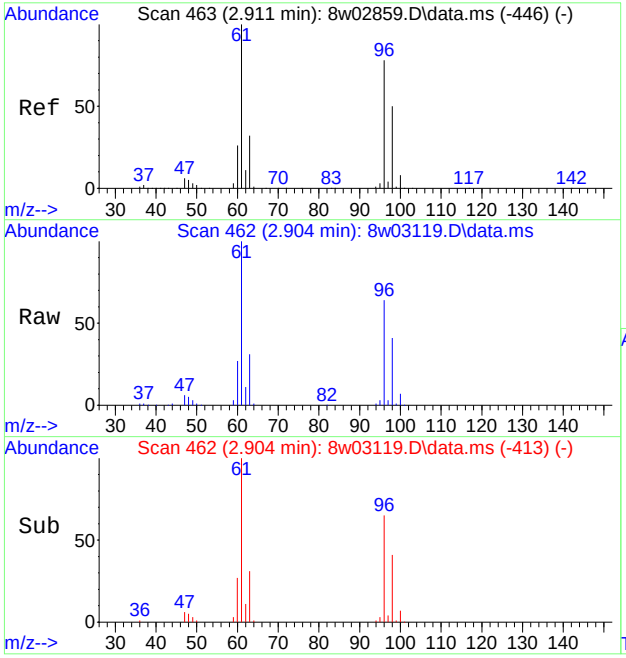


#33
FREON 113
Concen: 5.04 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:151 Resp: 83391

Ion	Ratio	Lower	Upper
151	100		
101	115.4	89.6	134.4
103	74.5	58.4	87.6

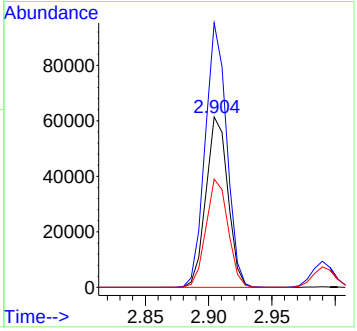


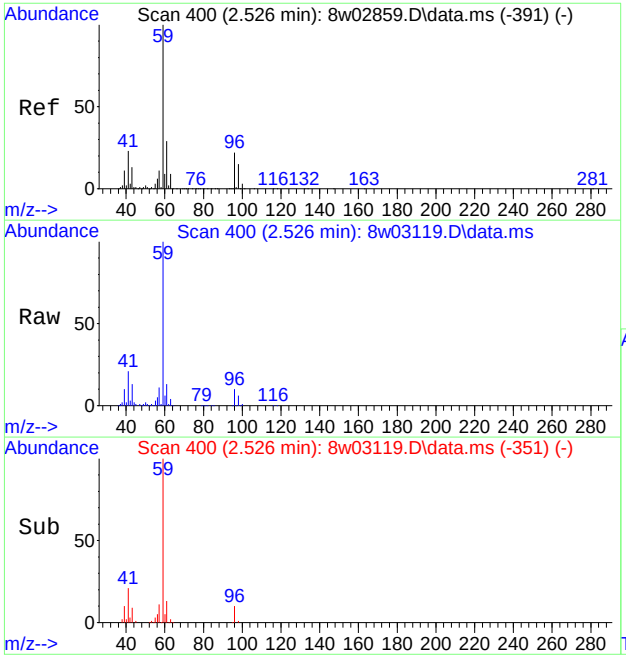


#34
TRANS-1,2-DICHLOROETHENE
Concen: 5.15 PPBV
RT: 2.904 min Scan# 462
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 96 Resp: 73879

Ion	Ratio	Lower	Upper
96	100		
61	151.6	120.8	181.2
98	63.8	51.0	76.4

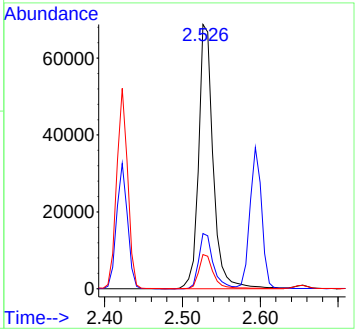


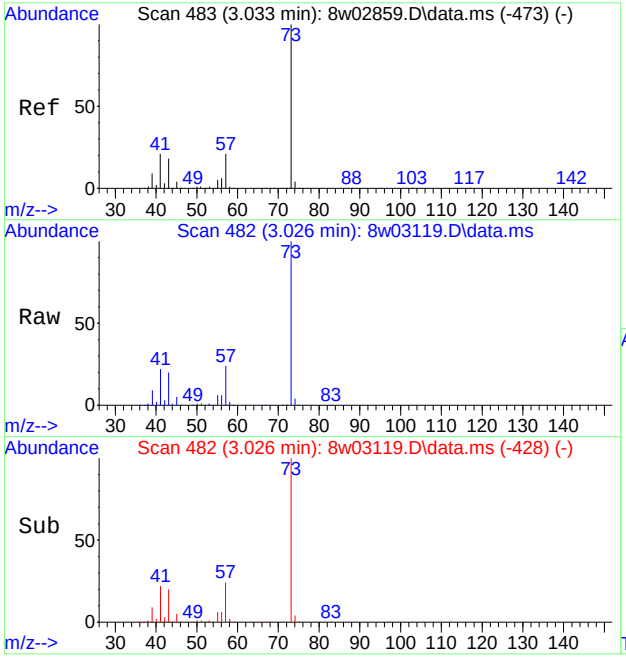


#35
TERTIARY BUTYL ALCOHOL
Concen: 4.96 PPBV
RT: 2.526 min Scan# 400
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 59 Resp: 89363

Ion	Ratio	Lower	Upper
59	100		
41	20.7	16.1	24.1
43	12.8	10.2	15.4

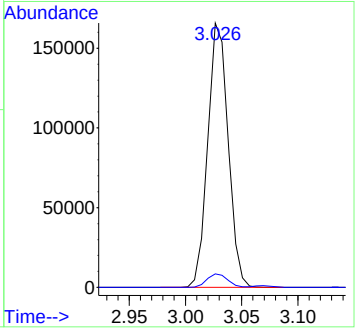


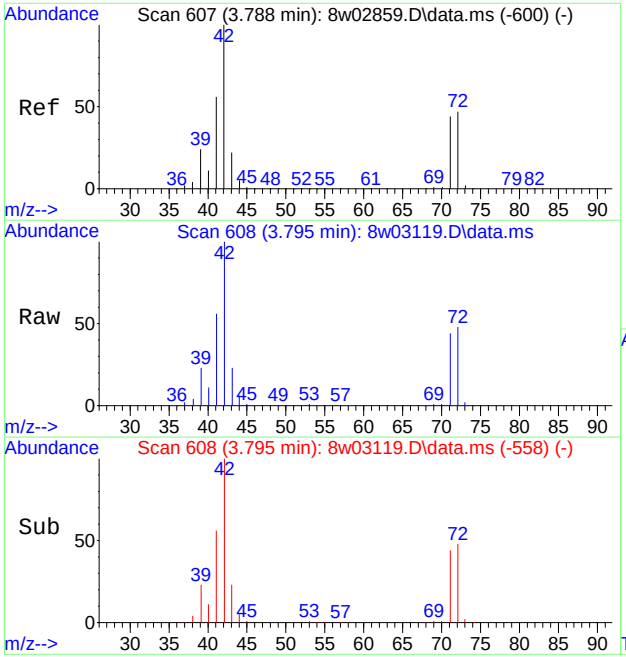


#36
METHYL TERTIARY BUTYL ETHER
Concen: 4.96 PPBV
RT: 3.026 min Scan# 482
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 73 Resp: 208815

Ion	Ratio	Lower	Upper
73	100		
45	5.8	4.7	7.1

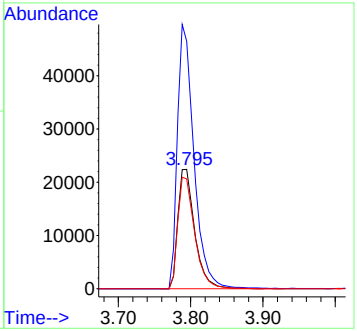


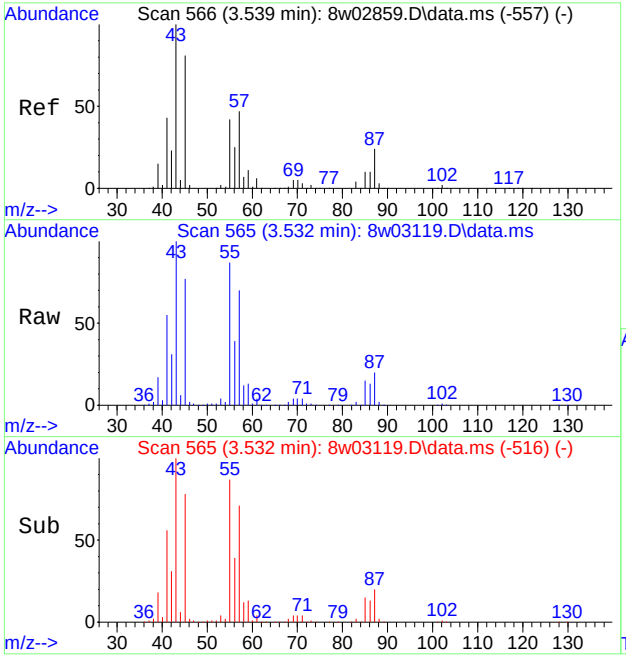


#37
TETRAHYDROFURAN
Concen: 4.93 PPBV
RT: 3.795 min Scan# 608
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 72 Resp: 36339

Ion	Ratio	Lower	Upper
72	100		
42	218.0	170.8	256.2
71	93.9	74.3	111.5

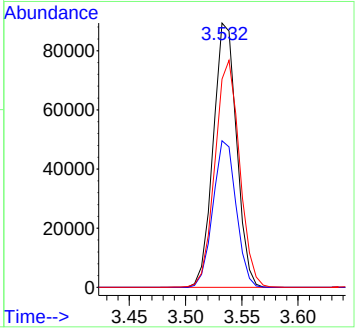


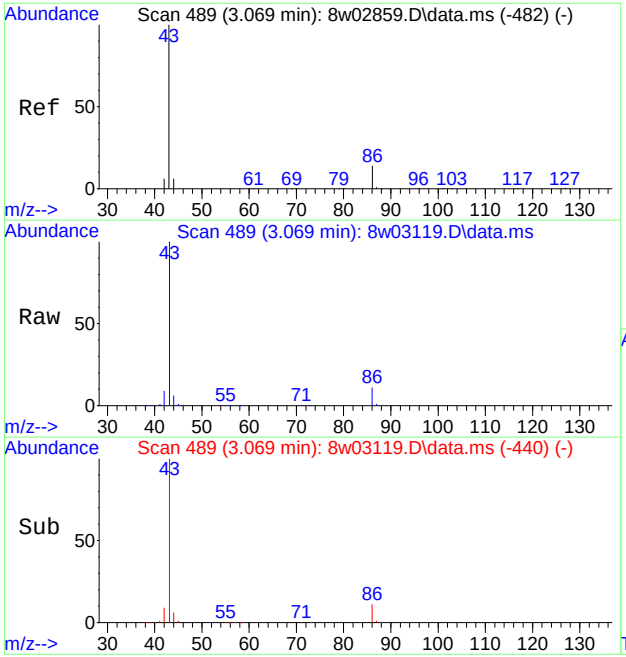


#38
HEXANE
Concen: 5.37 PPBV
RT: 3.532 min Scan# 565
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 57 Resp: 128998

Ion	Ratio	Lower	Upper
57	100		
56	55.3	43.8	65.8
41	90.7	72.2	108.4

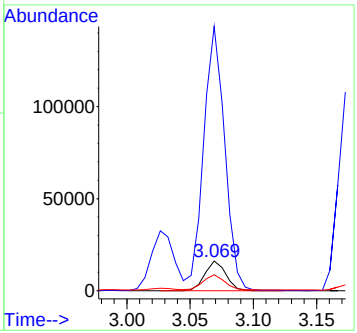


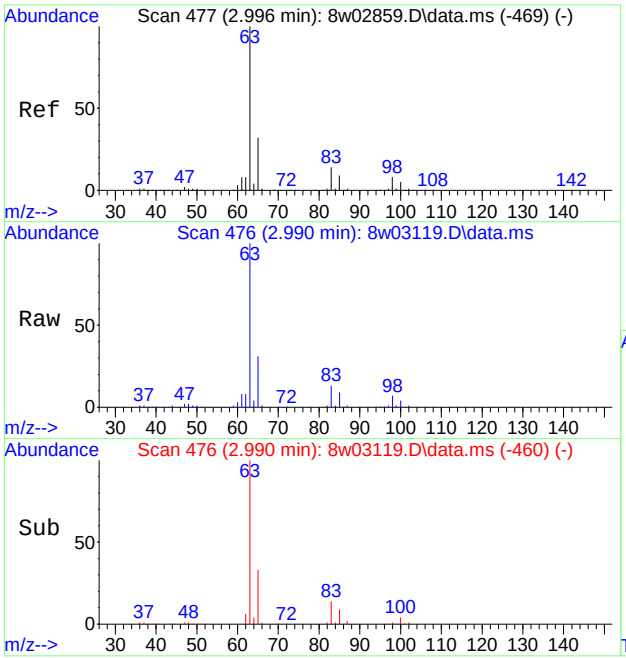


#39
VINYL ACETATE
Concen: 4.64 PPBV
RT: 3.069 min Scan# 489
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 86 Resp: 18561

Ion	Ratio	Lower	Upper
86	100		
43	1119.4	860.3	1290.5
44	61.9	44.2	66.2

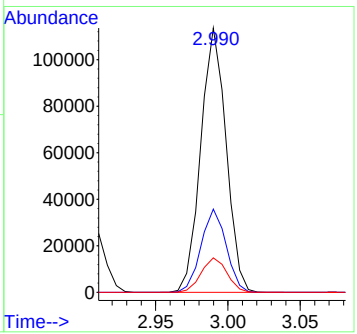


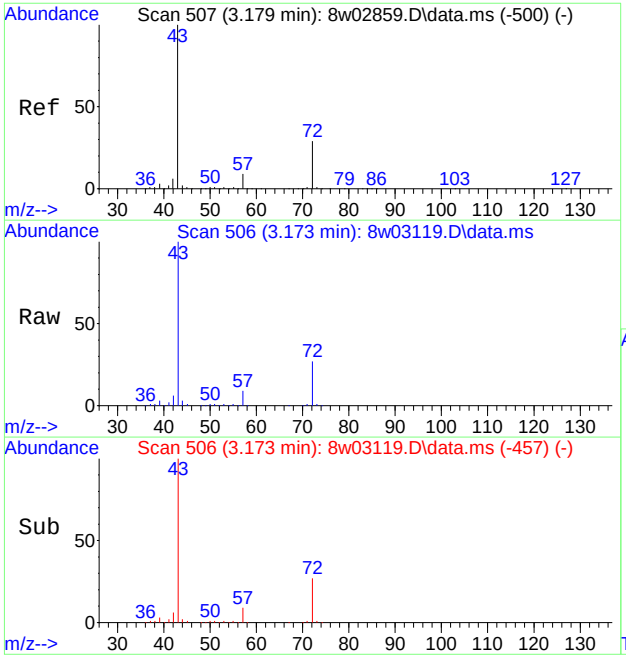


#40
1,1-DICHLOROETHANE
Concen: 5.10 PPBV
RT: 2.990 min Scan# 476
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 63 Resp: 138350

Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.4
83	13.2	10.5	15.7

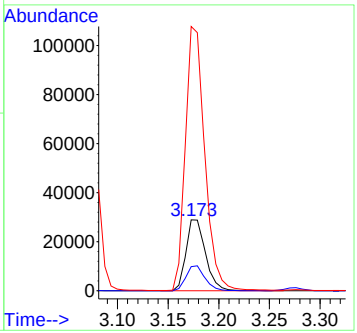


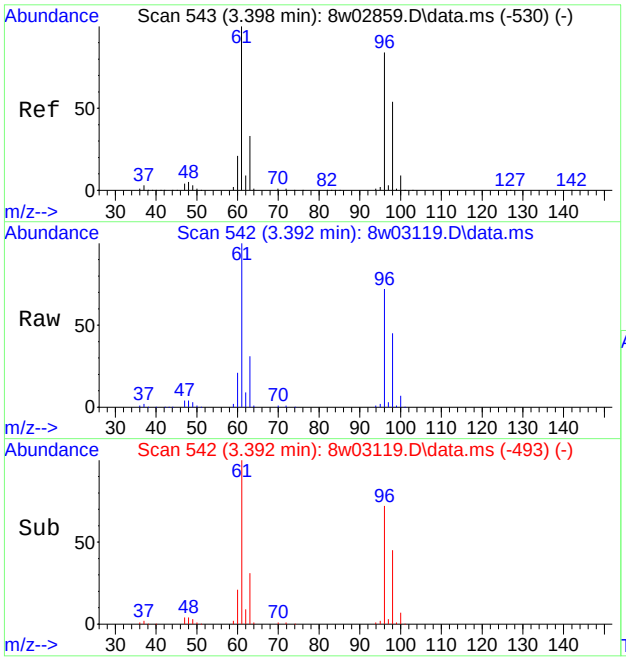


#41
METHYL ETHYL KETONE
Concen: 5.04 PPBV
RT: 3.173 min Scan# 506
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 72 Resp: 38860

Ion	Ratio	Lower	Upper
72	100		
57	34.5	27.8	41.8
43	370.9	292.3	438.5

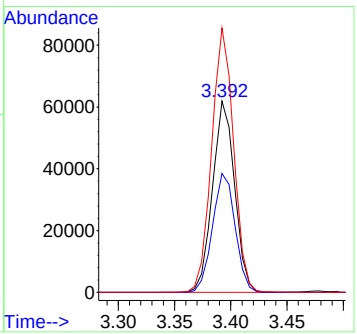


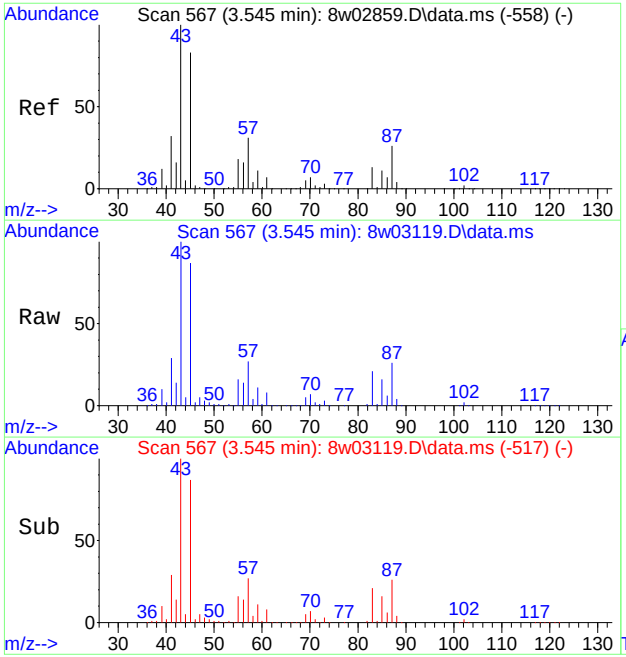


#42
CIS-1,2-DICHLOROETHENE
Concen: 5.02 PPBV
RT: 3.392 min Scan# 542
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 96 Resp: 84635

Ion	Ratio	Lower	Upper
96	100		
98	63.6	50.9	76.3
61	137.4	109.1	163.7

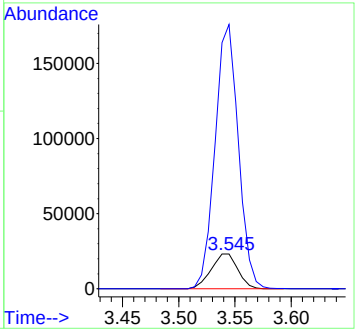


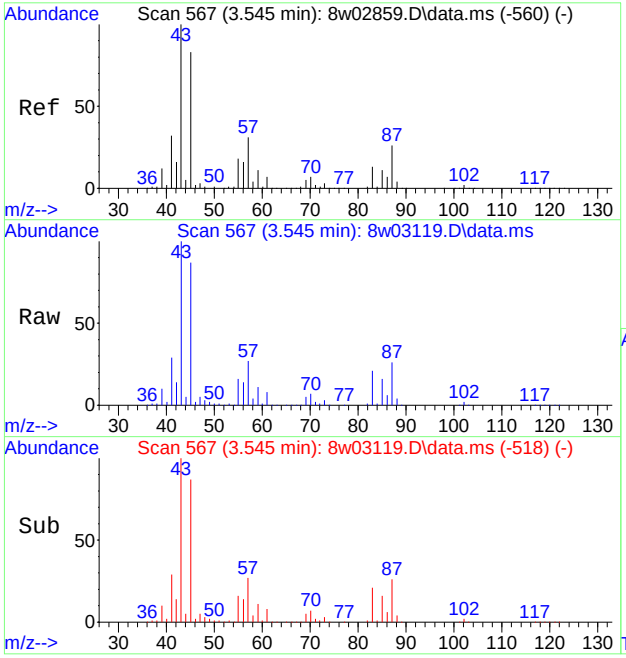


#43
DIISOPROPYL ETHER
Concen: 5.29 PPBV
RT: 3.545 min Scan# 567
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 59 Resp: 38338

Ion	Ratio	Lower	Upper
59	100		
45	663.6	517.9	776.9

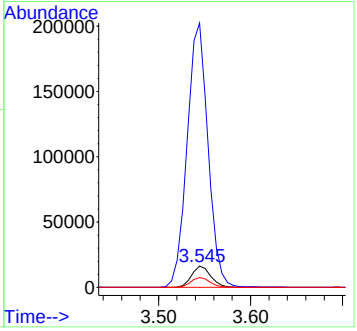


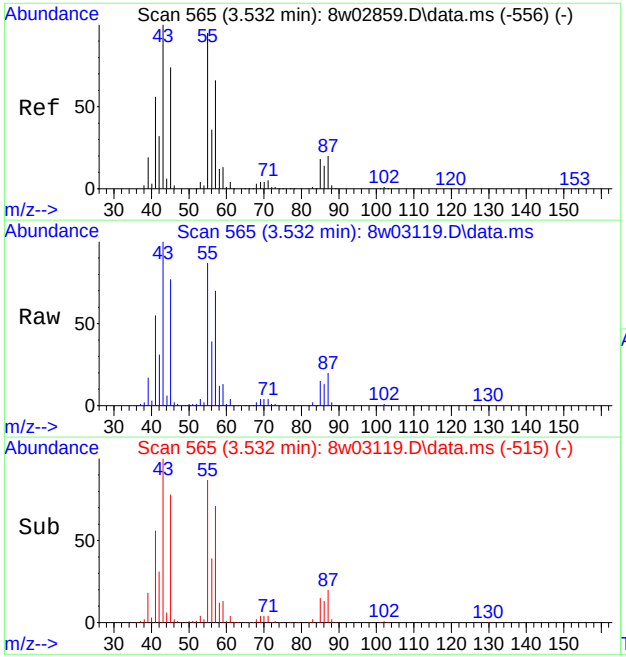


#44
ETHYL ACETATE
Concen: 5.21 PPBV
RT: 3.545 min Scan# 567
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 61 Resp: 23767

Ion	Ratio	Lower	Upper
61	100		
43	1346.5	1039.8	1559.8
88	46.7	37.8	56.8

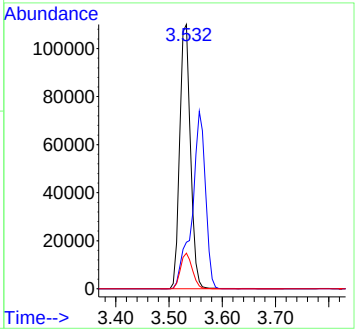


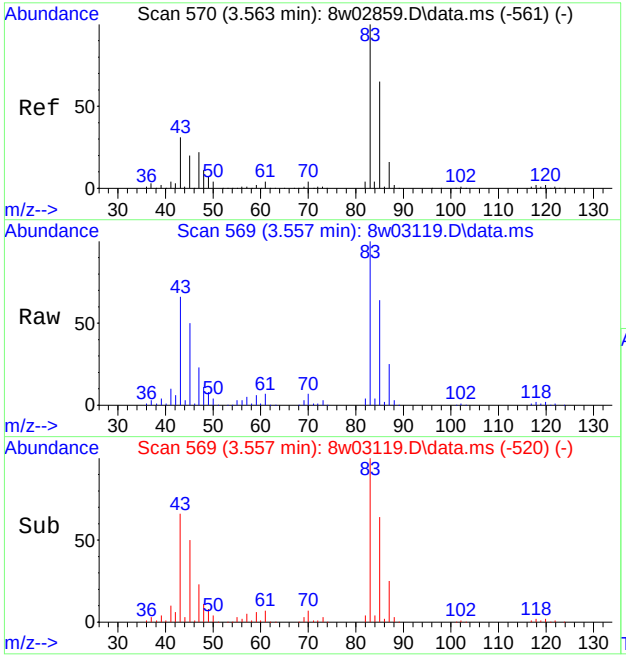


#45
METHYL ACRYLATE
Concen: 5.23 PPBV
RT: 3.532 min Scan# 565
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 55 Resp: 154201

Ion	Ratio	Lower	Upper
55	100		
85	0.0	0.0	0.0
58	14.8	11.5	17.3

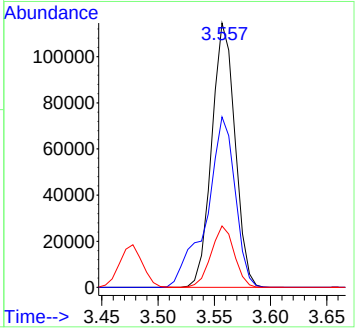


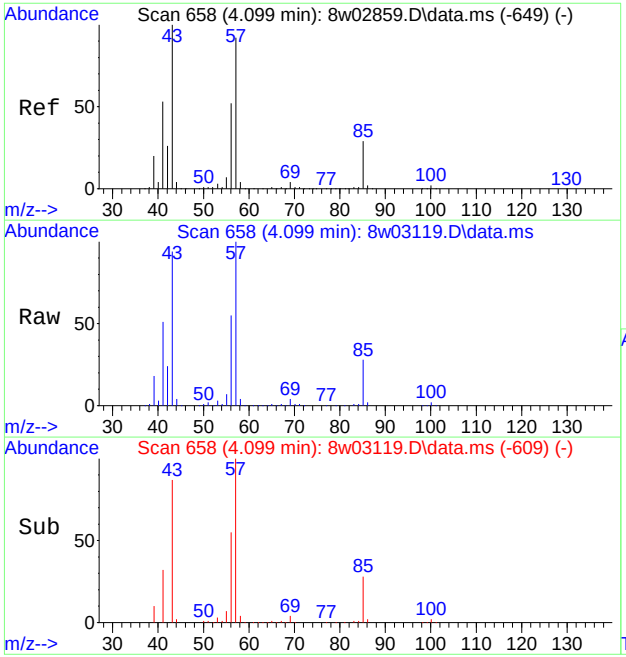


#46
CHLOROFORM
Concen: 5.18 PPBV
RT: 3.557 min Scan# 569
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 83 Resp: 165885

Ion	Ratio	Lower	Upper
83	100		
85	78.5	63.4	95.2
47	23.1	18.5	27.7

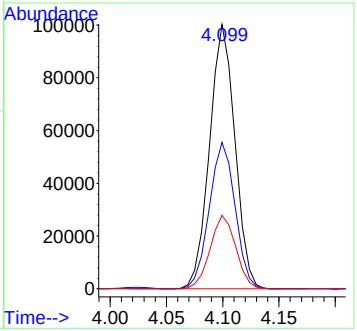


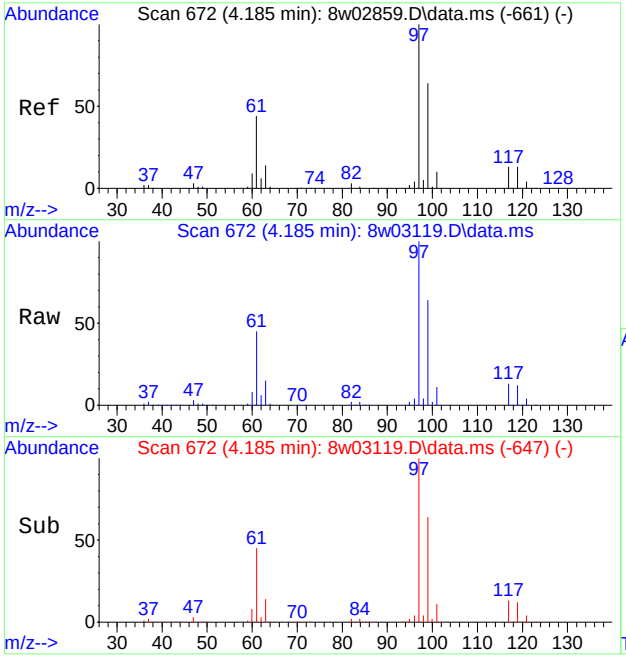


#47
2,4-DIMETHYLPENTANE
Concen: 5.09 PPBV
RT: 4.099 min Scan# 658
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 57 Resp: 158045

Ion	Ratio	Lower	Upper
57	100		
56	56.3	44.2	66.4
85	28.0	22.3	33.5

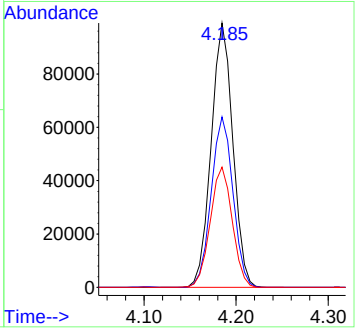


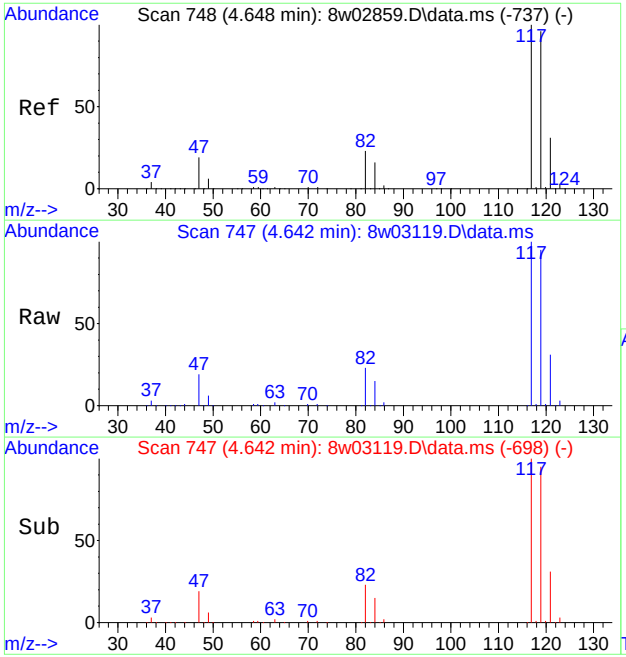


#48
1,1,1-TRICHLOROETHANE
Concen: 4.85 PPBV
RT: 4.185 min Scan# 672
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 97 Resp: 162163

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.3	76.9
61	46.3	35.8	53.6

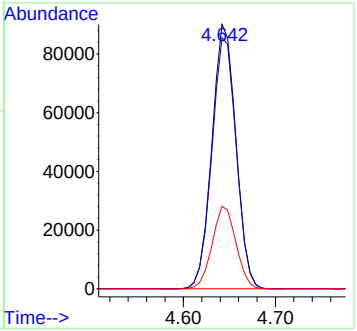


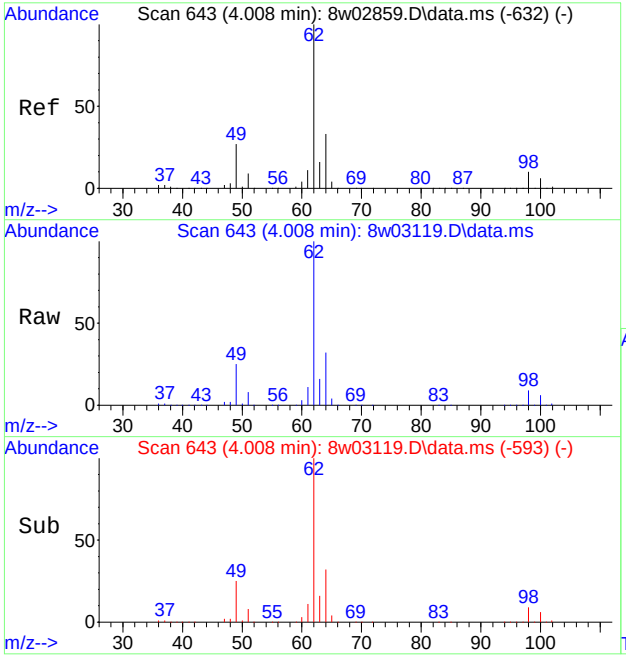


#49
CARBON TETRACHLORIDE
Concen: 4.79 PPBV
RT: 4.642 min Scan# 747
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:117 Resp: 163607

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.2	114.2
121	30.9	24.4	36.6

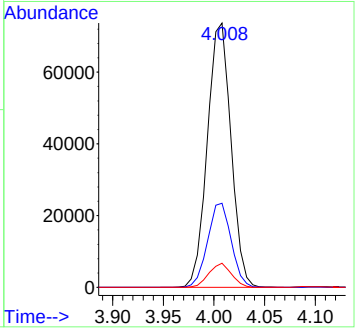


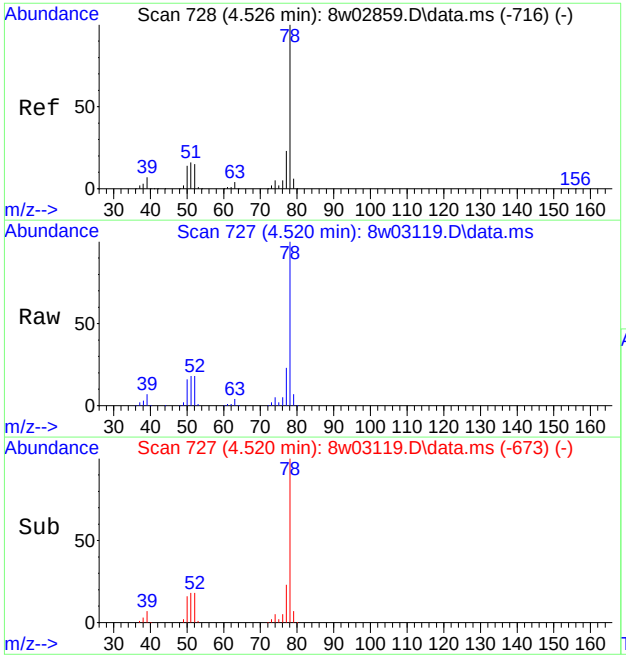


#50
1,2-DICHLOROETHANE
Concen: 5.07 PPBV
RT: 4.008 min Scan# 643
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 62 Resp: 119929

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.6	38.4
98	8.8	7.1	10.7

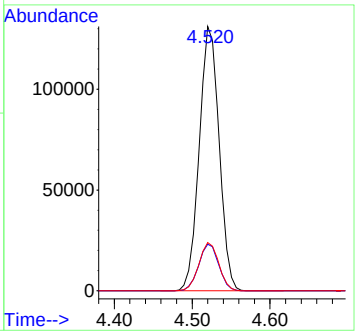


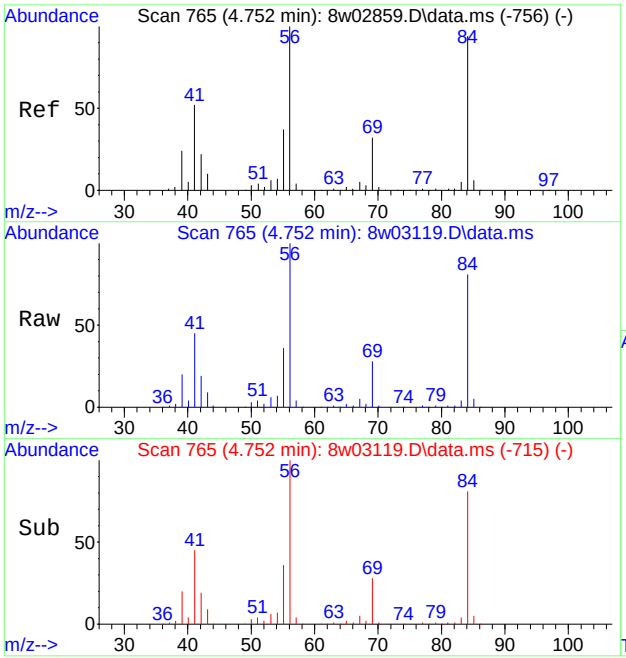


#51
BENZENE
Concen: 5.02 PPBV
RT: 4.520 min Scan# 727
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 78 Resp: 231835

Ion	Ratio	Lower	Upper
78	100		
52	17.8	0.0	37.6
51	18.3	0.0	38.0

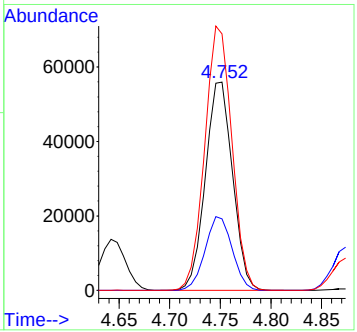


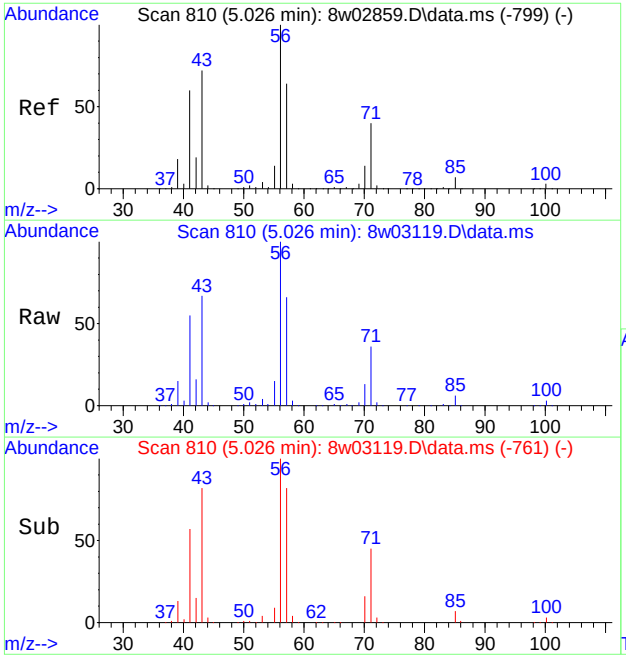


#53
CYCLOHEXANE
Concen: 5.01 PPBV
RT: 4.752 min Scan# 765
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 84 Resp: 104641

Ion	Ratio	Lower	Upper
84	100		
69	35.3	27.7	41.5
56	126.8	99.1	148.7

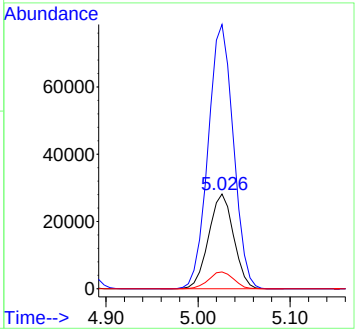


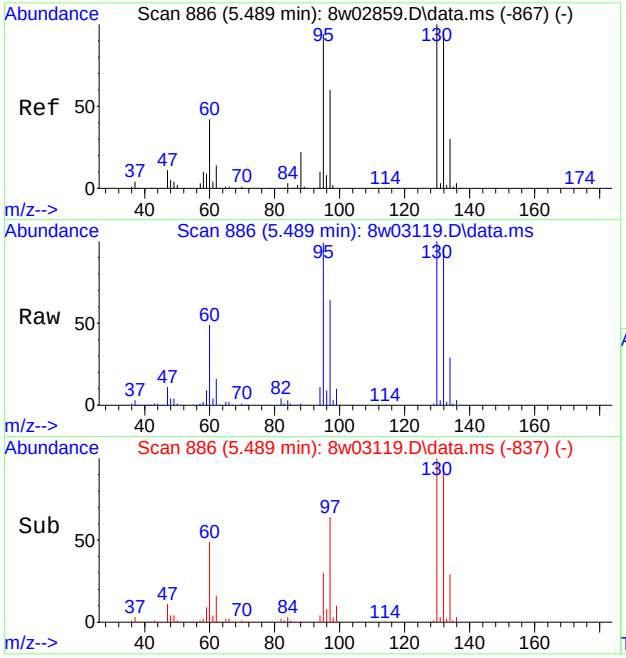


#54
2,3-DIMETHYLPENTANE
Concen: 5.06 PPBV
RT: 5.026 min Scan# 810
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 71 Resp: 53207

Ion	Ratio	Lower	Upper
71	100		
56	281.8	224.9	337.3
85	18.0	14.3	21.5

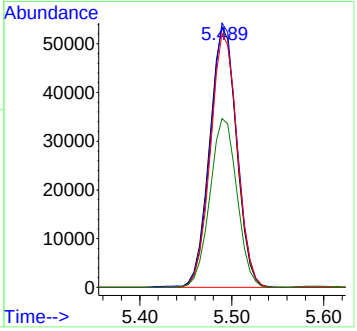


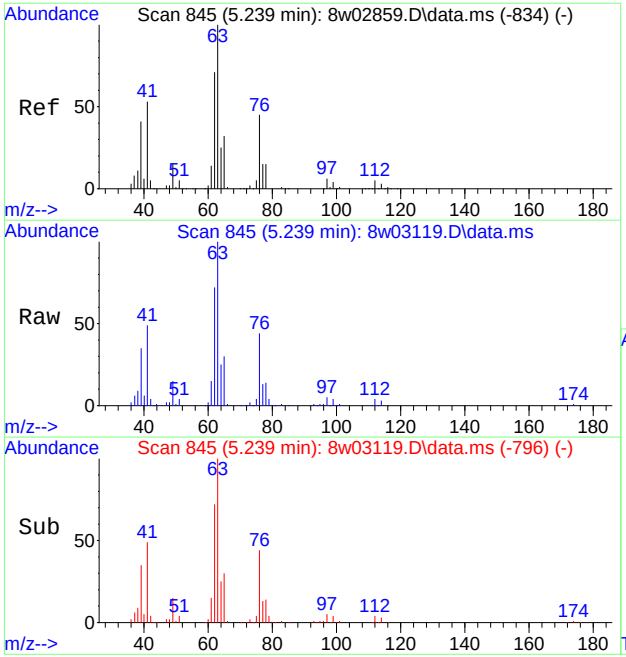


#55
TRICHLOROETHENE
Concen: 5.10 PPBV
RT: 5.489 min Scan# 886
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 95 Resp: 108718

Ion	Ratio	Lower	Upper
95	100		
130	100.6	80.6	120.8
132	96.4	77.0	115.4
97	65.0	51.6	77.4

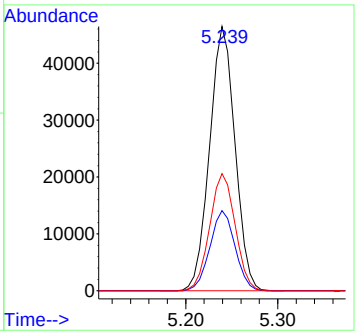


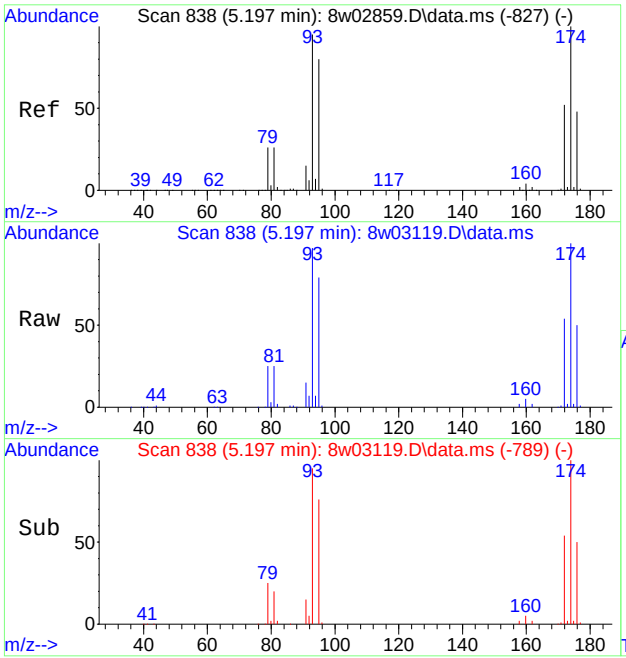


#56
1,2-DICHLOROPROPANE
Concen: 5.15 PPBV
RT: 5.239 min Scan# 845
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 63 Resp: 89160

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.1	36.1
76	44.4	36.4	54.6

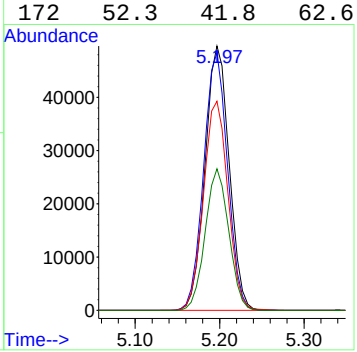


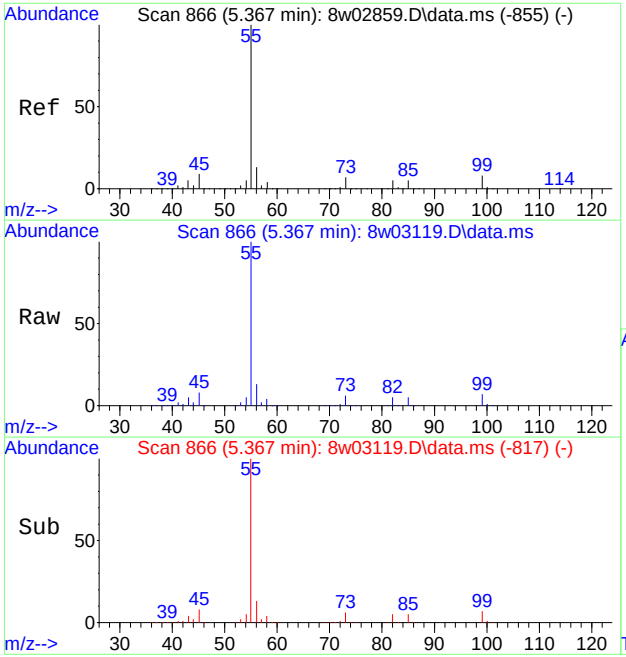


#57
DIBROMOMETHANE
Concen: 5.07 PPBV
RT: 5.197 min Scan# 838
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:174 Resp: 98785

Ion	Ratio	Lower	Upper
174	100		
93	96.7	77.0	115.6
95	80.2	64.2	96.4
172	52.3	41.8	62.6

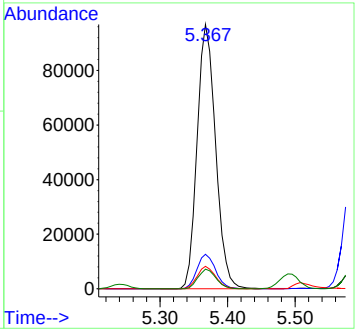


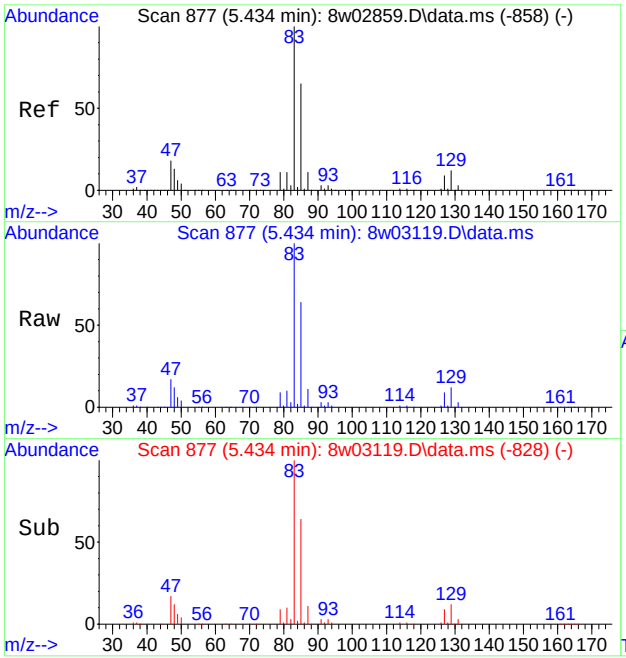


#58
ETHYL ACRYLATE
Concen: 5.00 PPBV
RT: 5.367 min Scan# 866
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 55 Resp: 184853

Ion	Ratio	Lower	Upper
55	100		
56	13.2	10.9	16.3
45	8.7	6.7	10.1
99	7.2	5.8	8.8

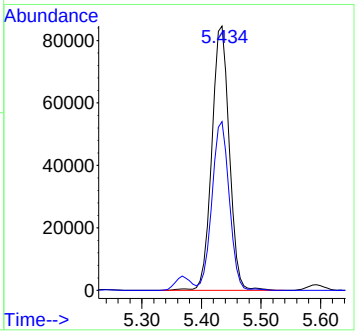


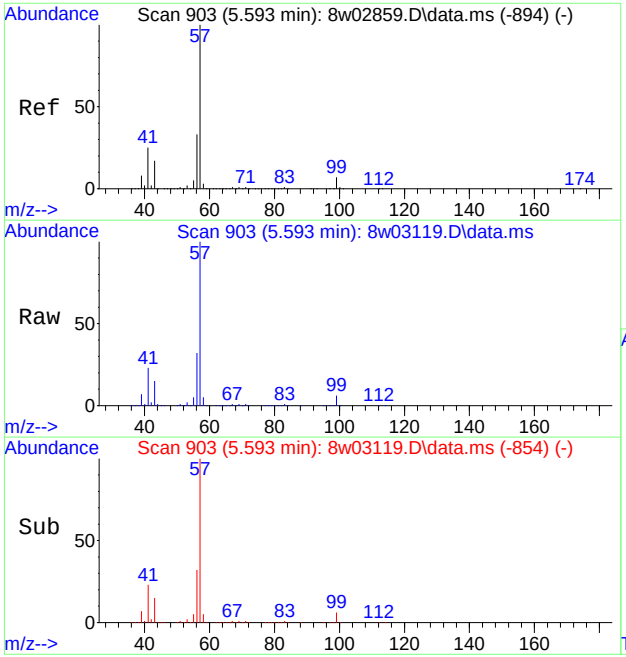


#59
BROMODICHLOROMETHANE
Concen: 4.99 PPBV
RT: 5.434 min Scan# 877
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 83 Resp: 171753

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.6

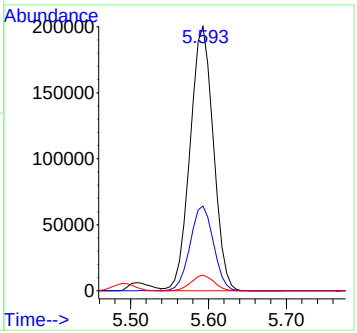


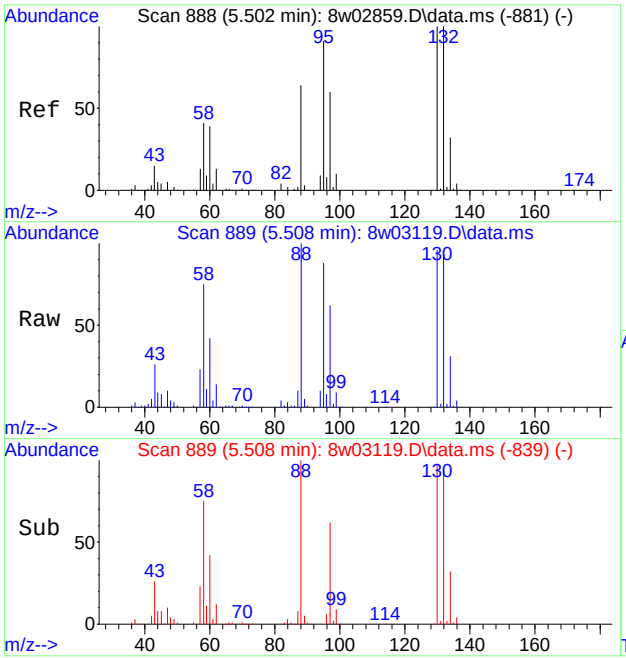


#60
2,2,4-TRIMETHYLPENTANE
Concen: 5.19 PPBV
RT: 5.593 min Scan# 903
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 57 Resp: 414777

Ion	Ratio	Lower	Upper
57	100		
56	32.3	25.8	38.8
99	5.8	4.7	7.1

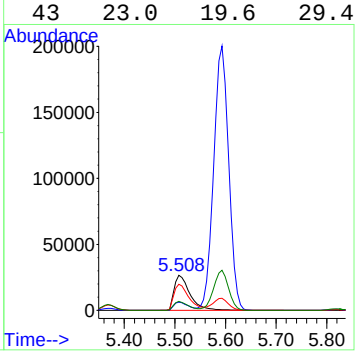


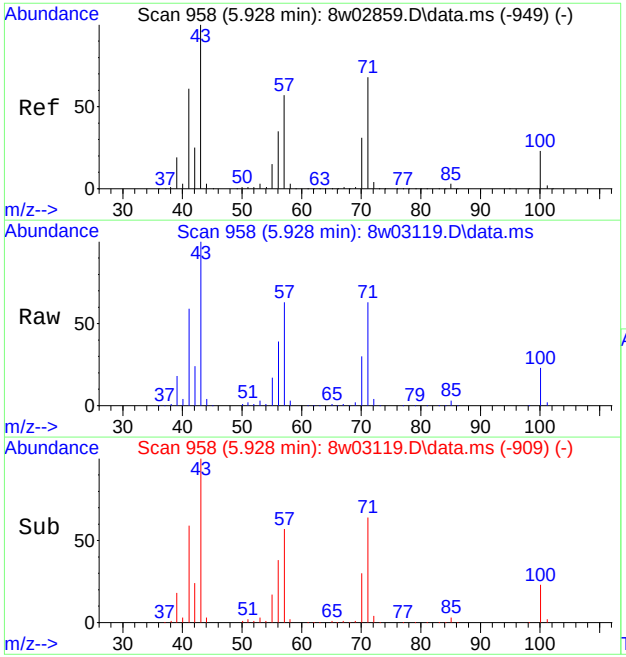


#61
1,4-DIOXANE
Concen: 5.17 PPBV
RT: 5.508 min Scan# 889
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 88 Resp: 58063

Ion	Ratio	Lower	Upper
88	100		
57	21.8	18.4	27.6
58	70.5	57.3	85.9
43	23.0	19.6	29.4

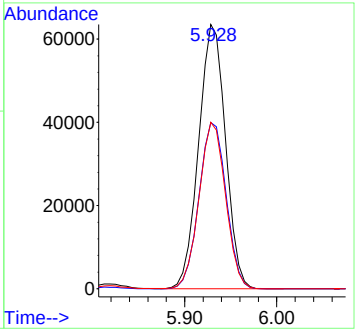


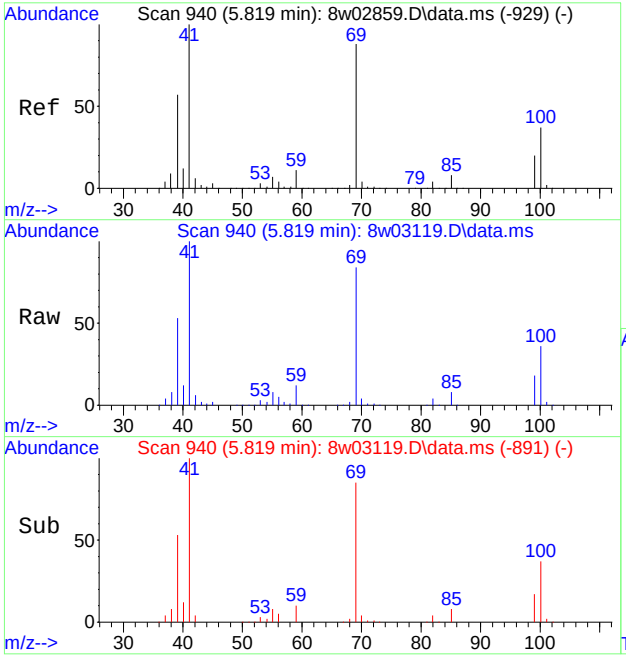


#62
HEPTANE
Concen: 5.16 PPBV
RT: 5.928 min Scan# 958
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 43 Resp: 128970

Ion	Ratio	Lower	Upper
43	100		
71	63.7	52.2	78.2
57	62.3	50.4	75.6

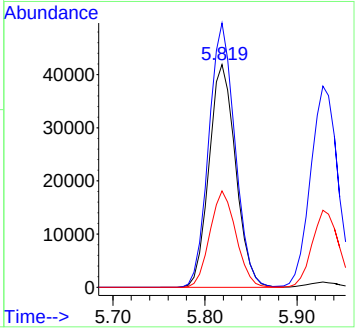


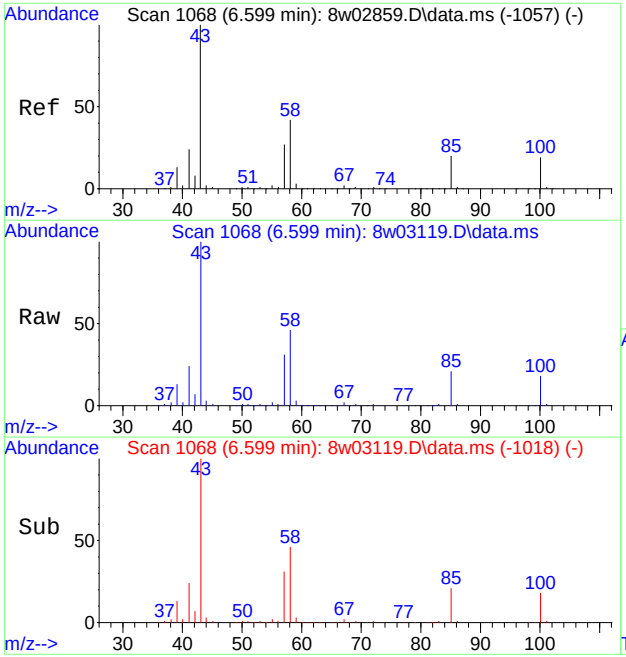


#63
METHYL METHACRYLATE
Concen: 4.99 PPBV
RT: 5.819 min Scan# 940
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 69 Resp: 84145

Ion	Ratio	Lower	Upper
69	100		
41	116.9	91.9	137.9
100	42.6	34.2	51.4

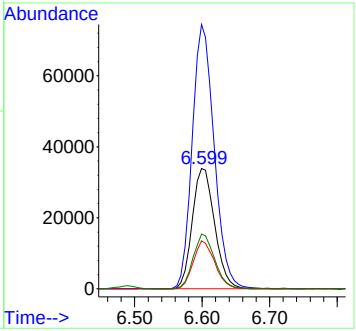


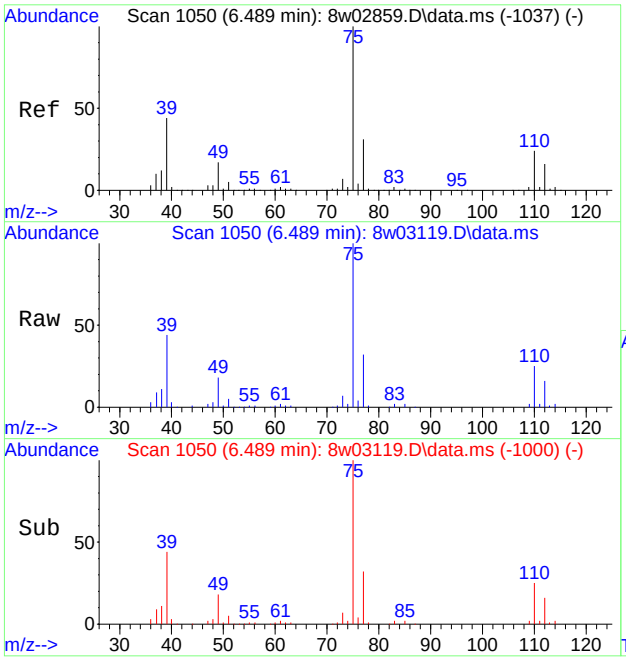


#64
METHYL ISOBUTYL KETONE
Concen: 5.14 PPBV
RT: 6.599 min Scan# 1068
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 58 Resp: 78226

Ion	Ratio	Lower	Upper
58	100		
43	215.7	171.6	257.4
100	38.3	31.4	47.0
85	43.9	35.8	53.6

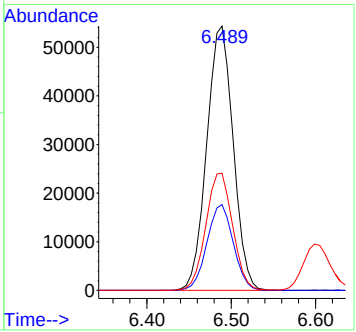


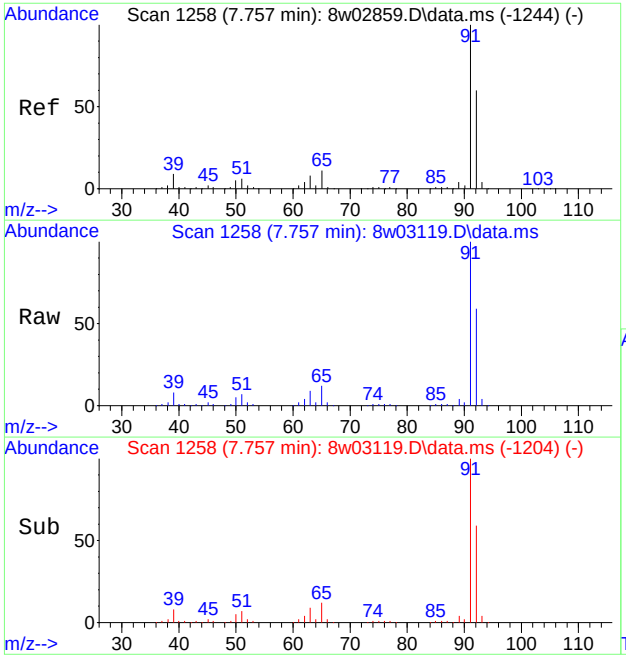


#65
CIS-1,3-DICHLOROPROPENE
Concen: 4.77 PPBV
RT: 6.489 min Scan# 1050
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 75 Resp: 118578

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	45.1	35.8	53.8

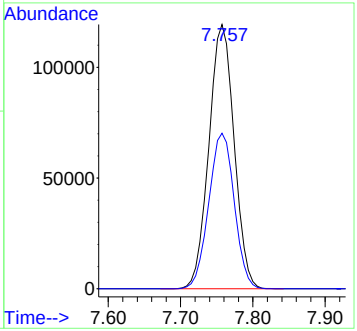


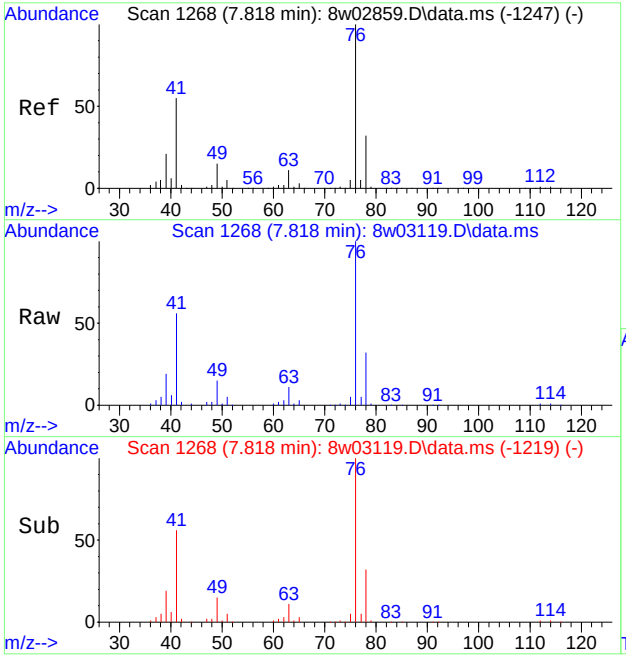


#66
TOLUENE
Concen: 5.06 PPBV
RT: 7.757 min Scan# 1258
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 91 Resp: 289355

Ion	Ratio	Lower	Upper
91	100		
92	59.5	39.8	79.8

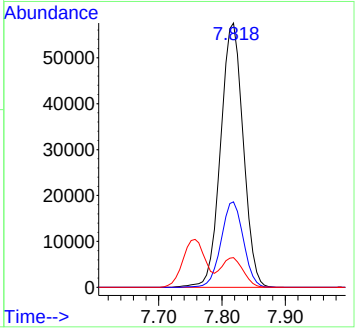


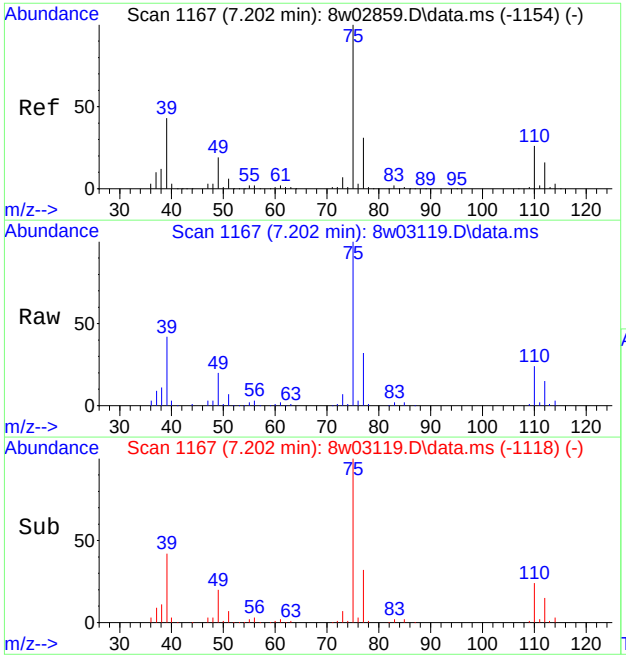


#67
1,3-DICHLOROPROPANE
Concen: 5.12 PPBV
RT: 7.818 min Scan# 1268
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 76 Resp: 142789

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9
63	11.0	8.6	12.8

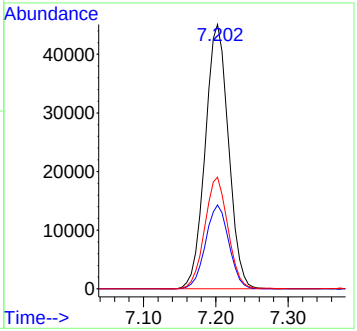


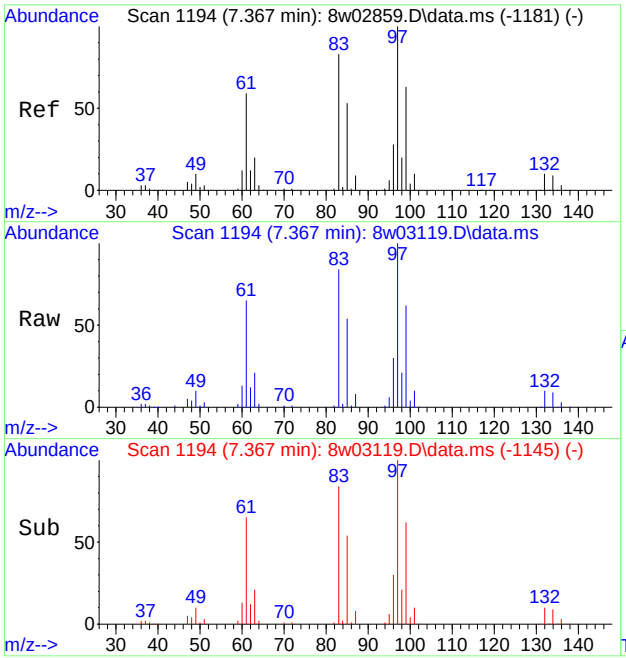


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 4.58 PPBV
RT: 7.202 min Scan# 1167
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 75 Resp: 100671

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	42.3	33.4	50.0

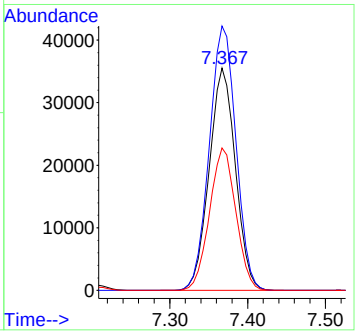


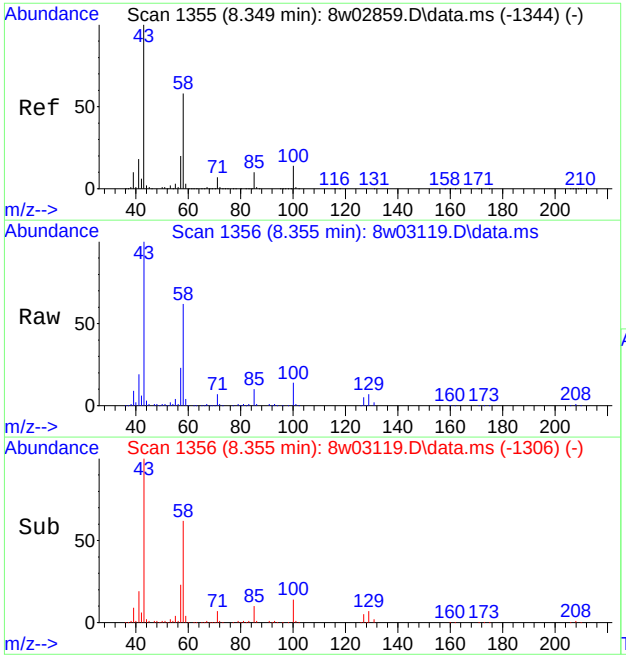


#69
1,1,2-TRICHLOROETHANE
Concen: 5.19 PPBV
RT: 7.367 min Scan# 1194
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 83 Resp: 83047

Ion	Ratio	Lower	Upper
83	100		
97	120.5	98.2	147.2
85	64.2	51.7	77.5

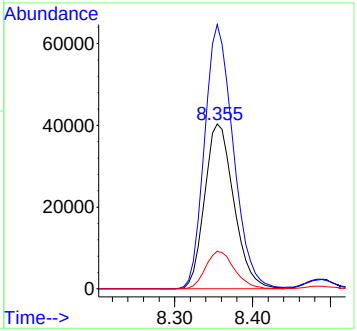


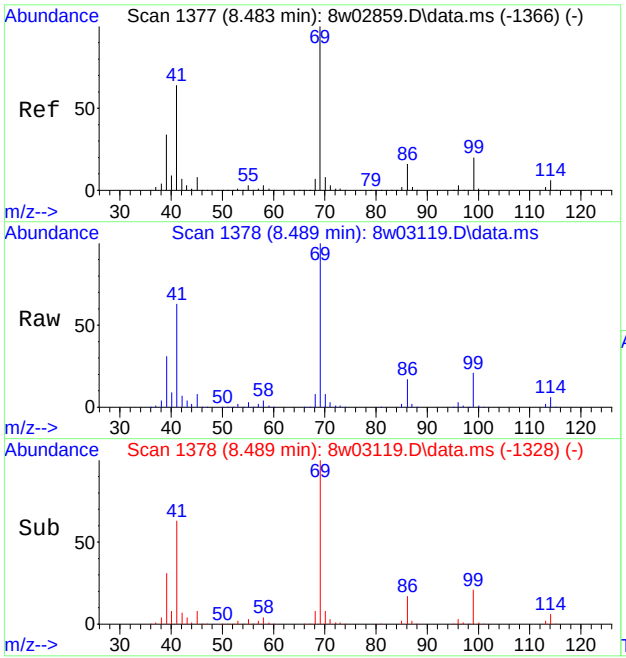


#70
2-HEXANONE
Concen: 5.16 PPBV
RT: 8.355 min Scan# 1356
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 58 Resp: 104689

Ion	Ratio	Lower	Upper
58	100		
43	157.9	124.3	186.5
100	22.6	18.0	27.0

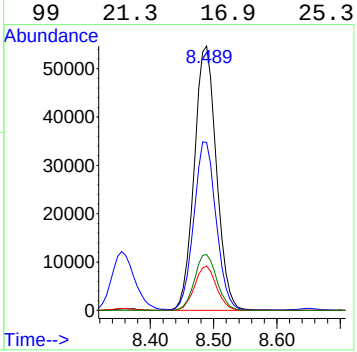


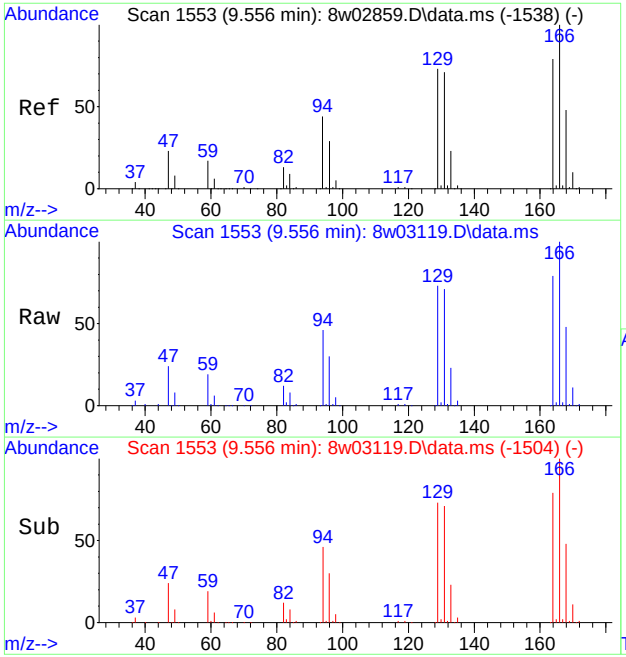


#71
ETHYL METHACRYLATE
Concen: 4.94 PPBV
RT: 8.489 min Scan# 1378
Delta R.T. 0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 69 Resp: 133387

Ion	Ratio	Lower	Upper
69	100		
41	64.2	50.3	75.5
86	16.5	13.0	19.4
99	21.3	16.9	25.3

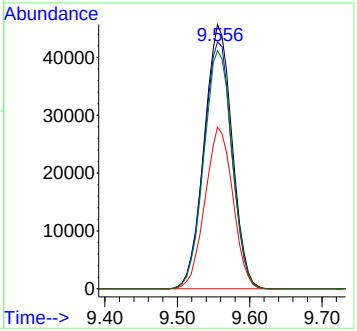


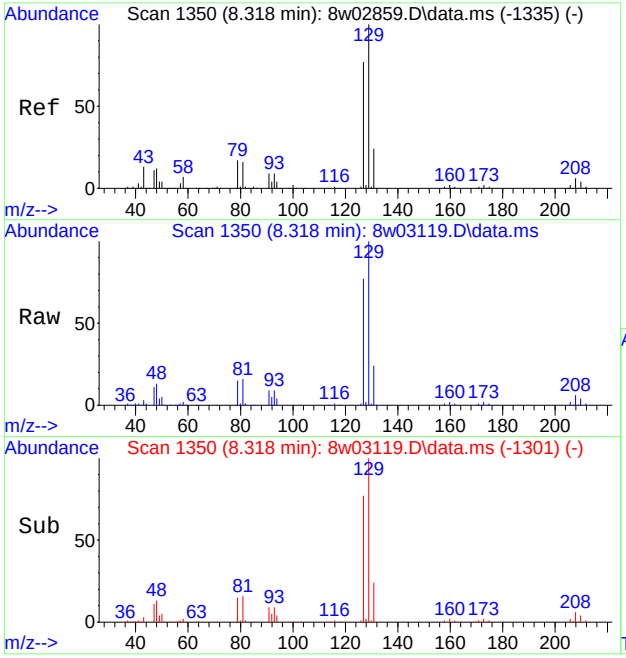


#72
TETRACHLOROETHENE
Concen: 5.33 PPBV
RT: 9.556 min Scan# 1553
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:164 Resp: 122493

Ion	Ratio	Lower	Upper
164	100		
129	94.9	75.8	113.8
168	61.1	48.8	73.2
131	91.4	73.0	109.4

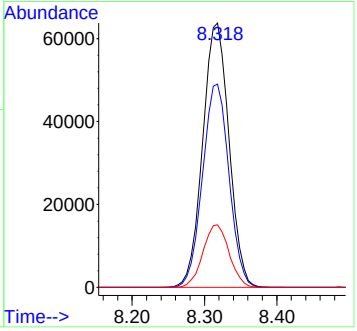


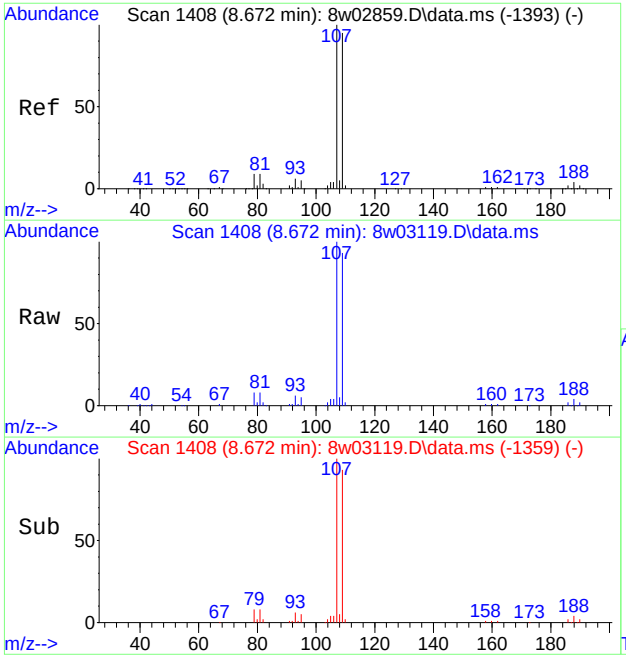


#73
DIBROMOCHLOROMETHANE
Concen: 4.82 PPBV
RT: 8.318 min Scan# 1350
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:129 Resp: 161455

Ion	Ratio	Lower	Upper
129	100		
127	77.2	62.0	93.0
131	23.6	19.1	28.7

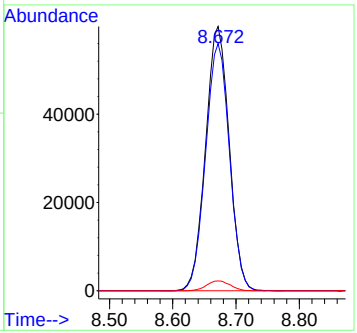


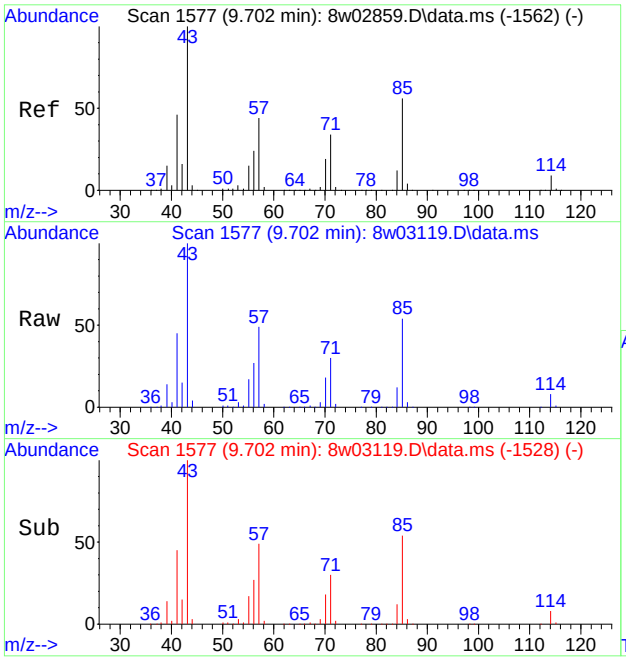


#74
1,2-DIBROMOETHANE
Concen: 5.08 PPBV
RT: 8.672 min Scan# 1408
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:107 Resp: 155231

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0
188	3.8	3.0	4.6

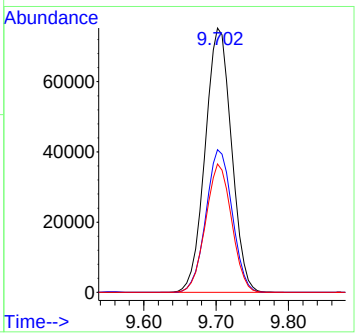


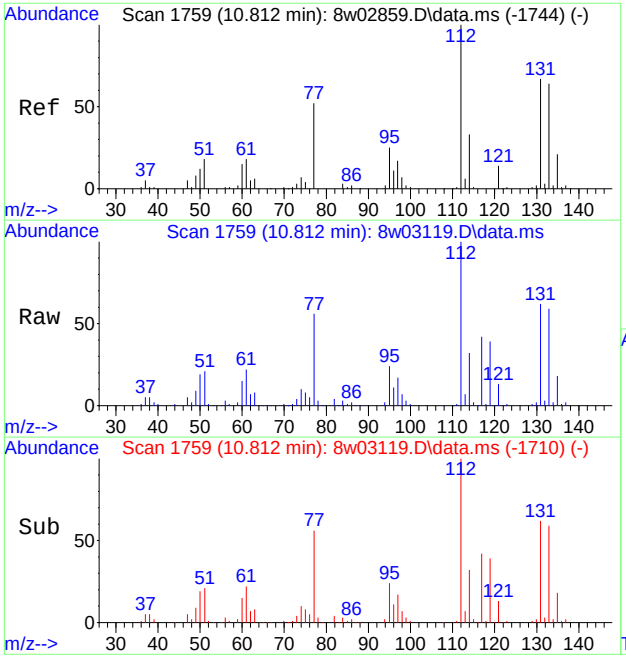


#75
OCTANE
Concen: 5.60 PPBV
RT: 9.702 min Scan# 1577
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 43 Resp: 190750

Ion	Ratio	Lower	Upper
43	100		
85	53.9	45.1	67.7
57	48.0	39.0	58.6

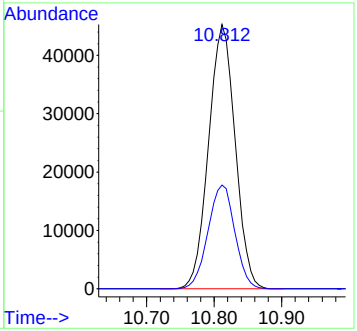


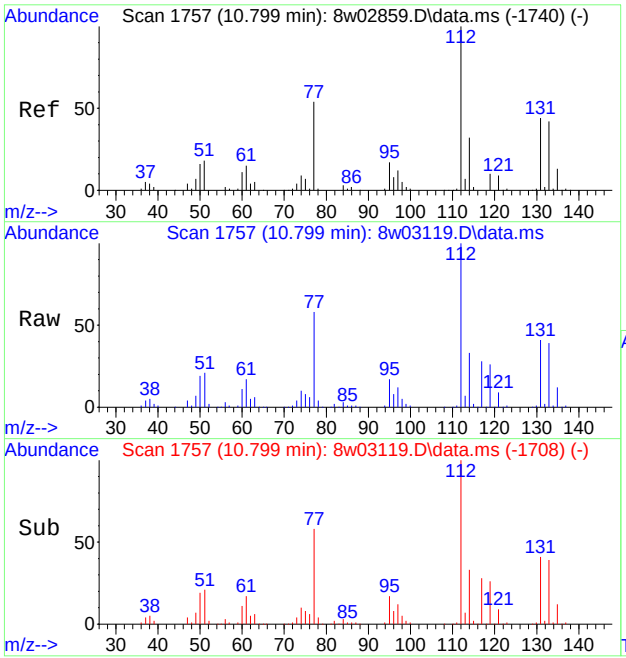


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 4.99 PPBV
RT: 10.812 min Scan# 1759
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:131 Resp: 123932

Ion	Ratio	Lower	Upper
131	100		
95	39.7	31.7	47.5

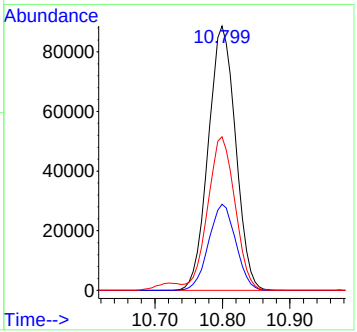




#78
CHLOROBENZENE
Concen: 5.14 PPBV
RT: 10.799 min Scan# 1757
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

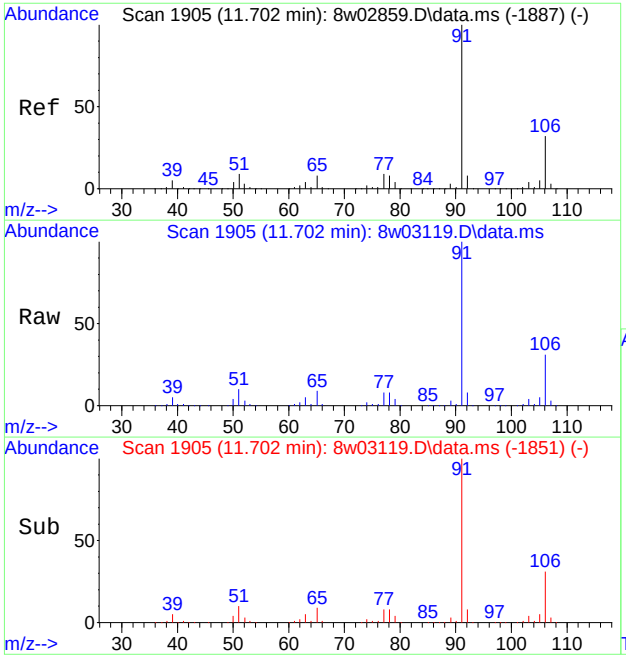
Tgt Ion:112 Resp: 249312

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.7	38.5
77	60.8	47.4	71.2



7.7.17

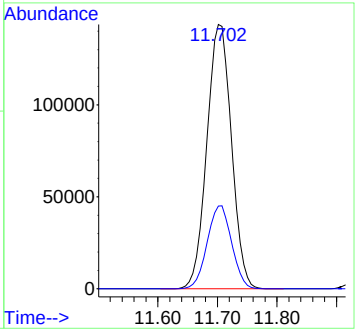
7

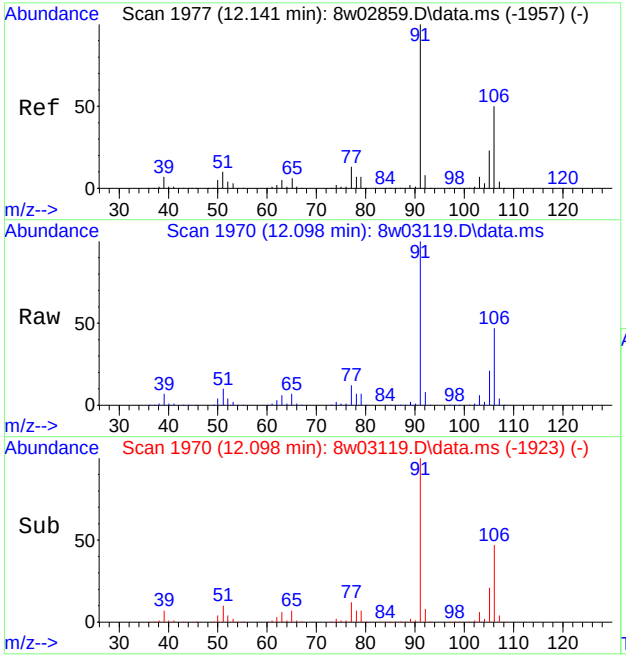


#79
ETHYLBENZENE
Concen: 5.07 PPBV
RT: 11.702 min Scan# 1905
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 91 Resp: 410471

Ion	Ratio	Lower	Upper
91	100		
106	31.2	11.5	51.5

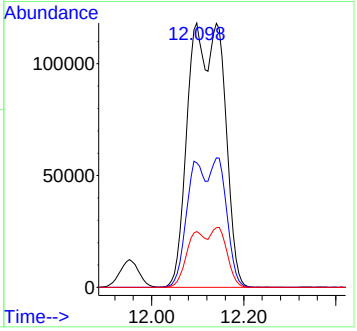


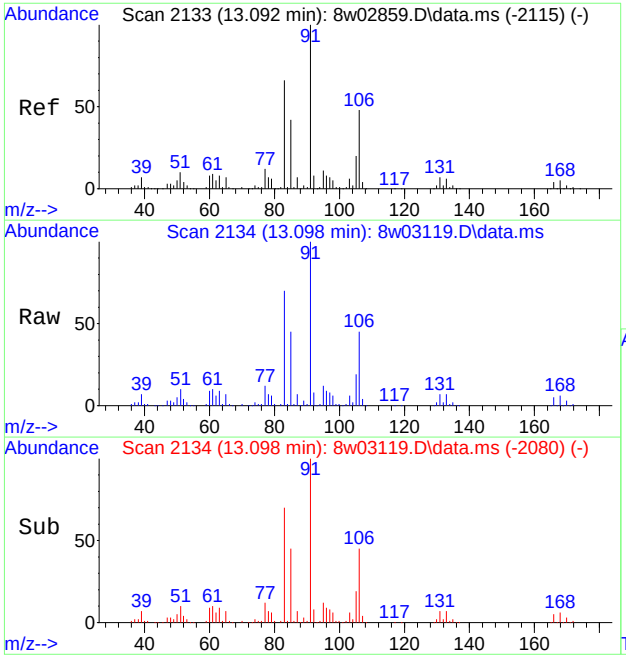


#80
M,P-XYLENE
Concen: 10.25 PPBV
RT: 12.098 min Scan# 1970
Delta R.T. -0.043 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 91 Resp: 647084

Ion	Ratio	Lower	Upper
91	100		
106	24.1	5.3	45.3
105	10.8	0.0	31.8

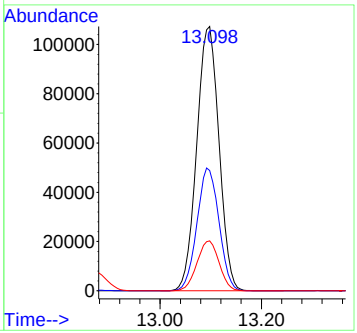


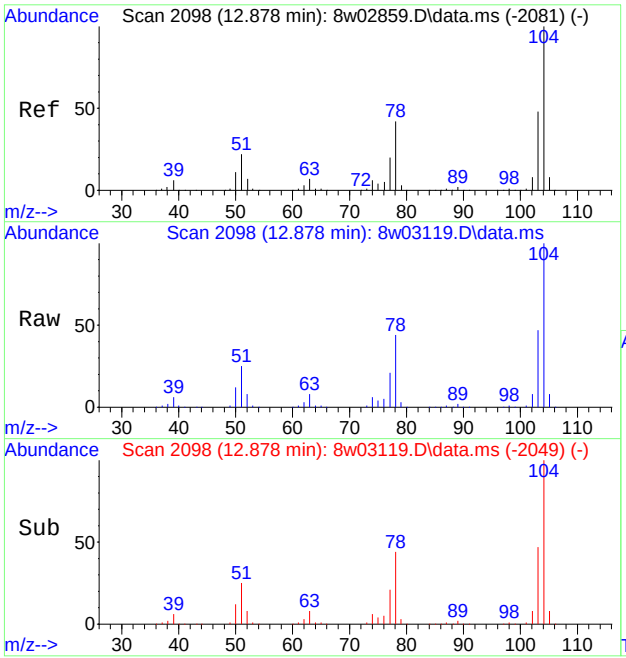


#81
O-XYLENE
Concen: 5.15 PPBV
RT: 13.098 min Scan# 2134
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 91 Resp: 328092

Ion	Ratio	Lower	Upper
91	100		
106	45.5	36.8	55.2
105	18.9	15.0	22.6

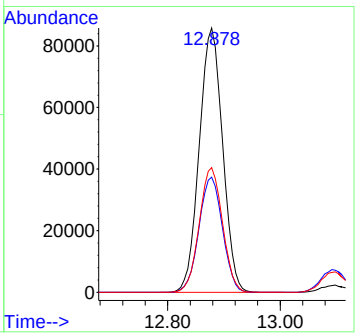


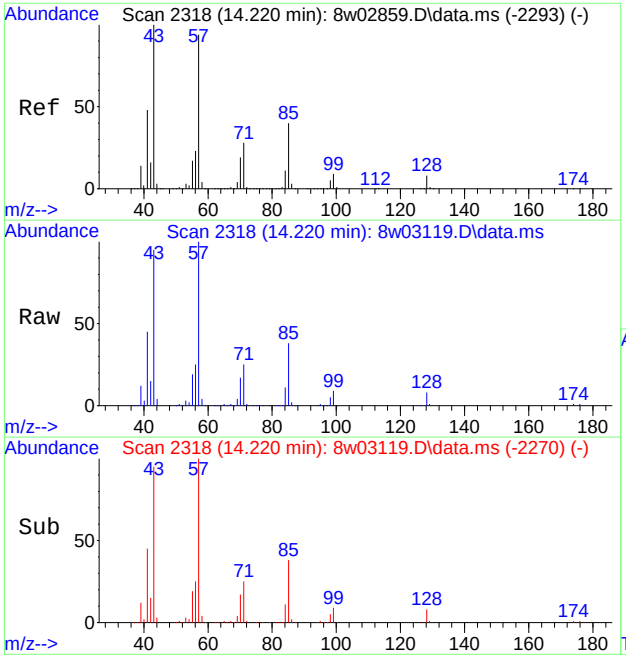


#82
STYRENE
Concen: 5.05 PPBV
RT: 12.878 min Scan# 2098
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:104 Resp: 247304

Ion	Ratio	Lower	Upper
104	100		
78	43.9	35.4	53.0
103	46.9	37.7	56.5

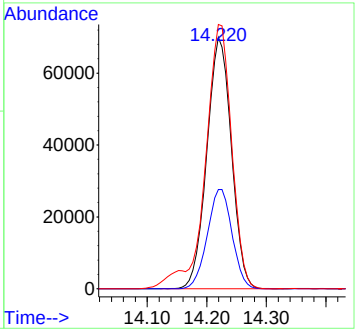


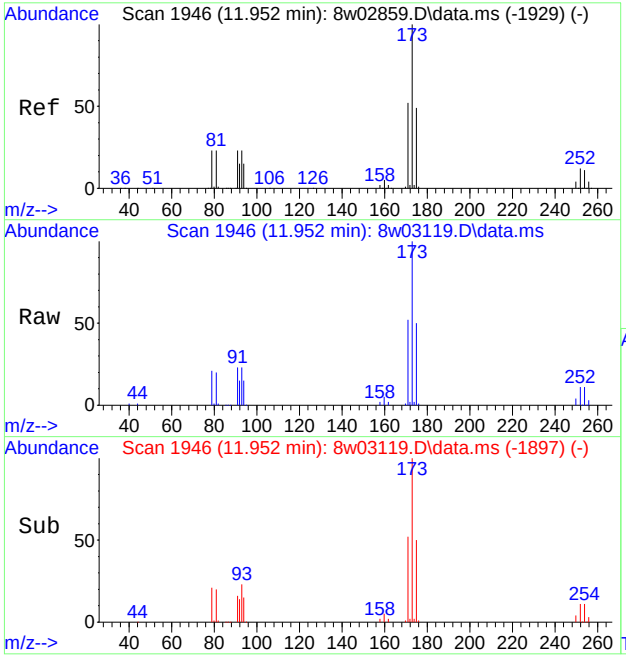


#83
NONANE
Concen: 5.20 PPBV
RT: 14.220 min Scan# 2318
Delta R.T. -0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 43 Resp: 199206

Ion	Ratio	Lower	Upper
43	100		
85	40.0	32.5	48.7
57	112.9	88.6	132.8

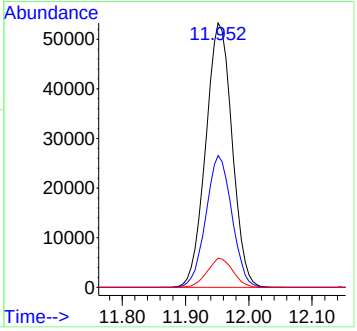


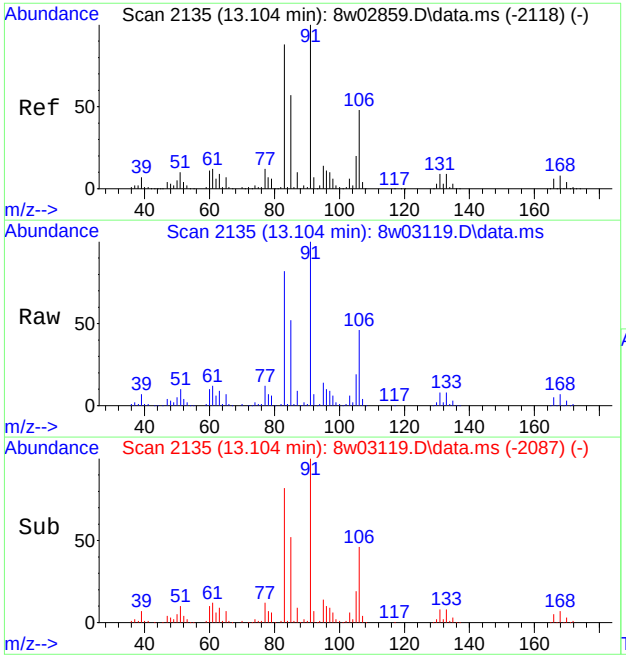


#84
BROMOFORM
Concen: 4.73 PPBV
RT: 11.952 min Scan# 1946
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:173 Resp: 154222

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
254	10.7	8.7	13.1

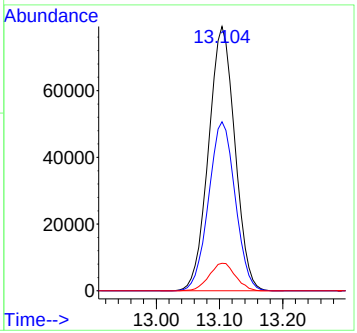


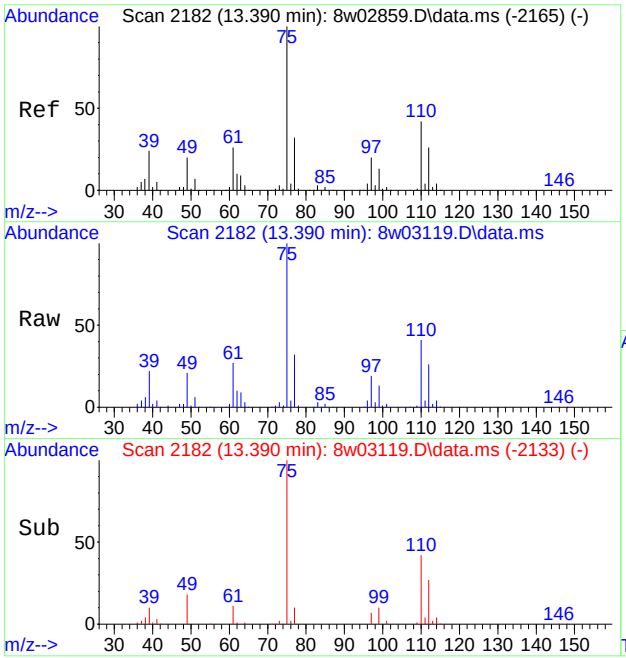


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 5.23 PPBV
RT: 13.104 min Scan# 2135
Delta R.T. -0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 83 Resp: 228785

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.9	77.9
131	10.4	8.5	12.7

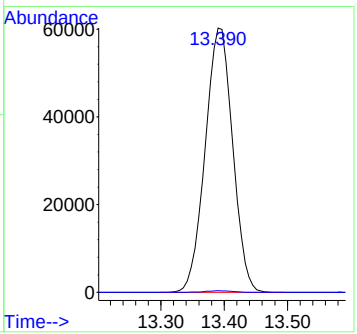


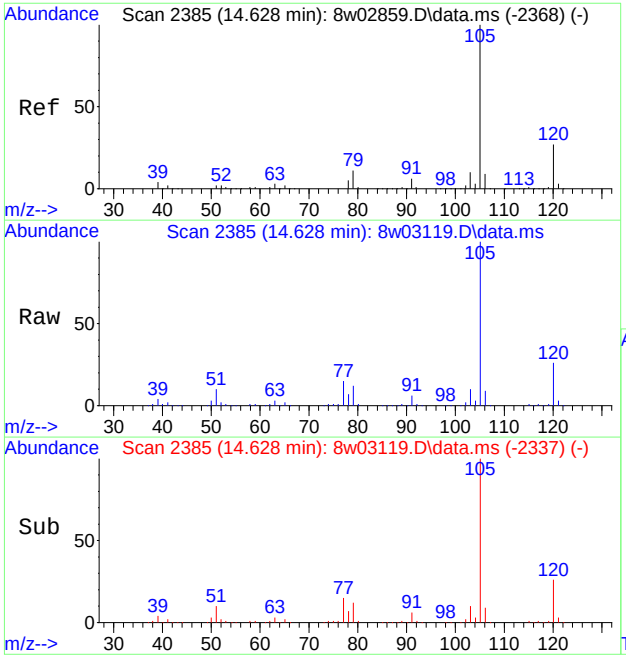


#86
1,2,3-TRICHLOROPROPANE
Concen: 5.13 PPBV
RT: 13.390 min Scan# 2182
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 75 Resp: 181827

Ion	Ratio	Lower	Upper
75	100		
100	0.6	0.5	0.7

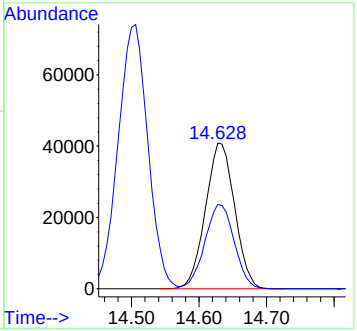


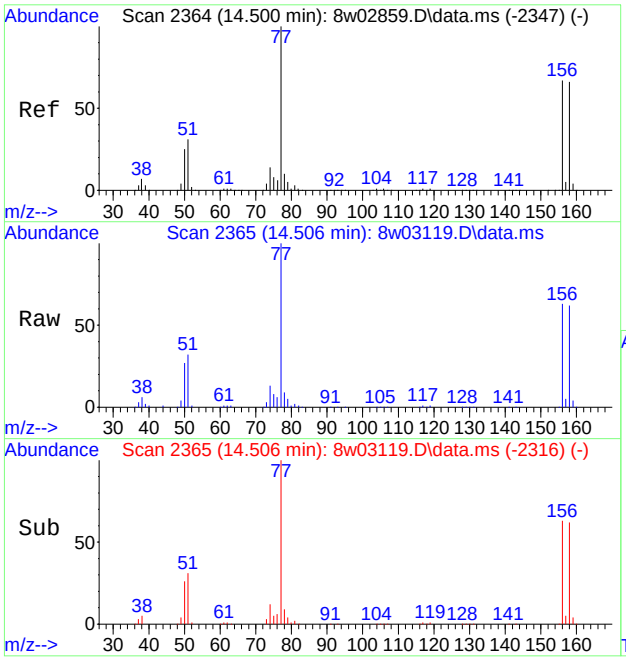


#88
ISOPROPYLBENZENE
Concen: 5.16 PPBV
RT: 14.628 min Scan# 2385
Delta R.T. -0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:120 Resp: 122831

Ion	Ratio	Lower	Upper
120	100		
77	58.5	46.8	70.2

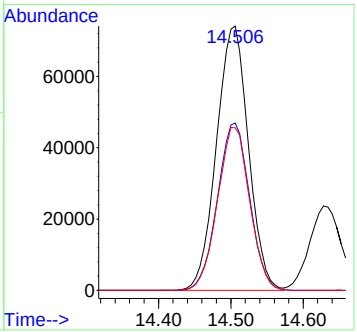


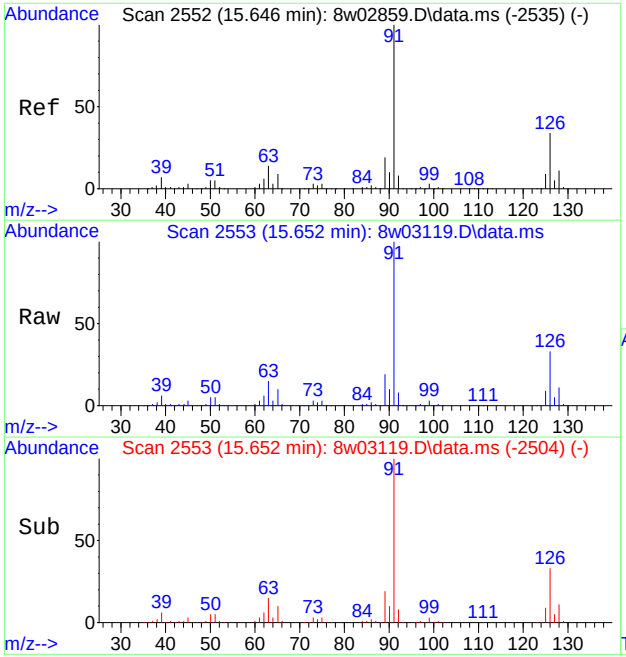


#89
BROMOBENZENE
Concen: 5.15 PPBV
RT: 14.506 min Scan# 2365
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 77 Resp: 228044

Ion	Ratio	Lower	Upper
77	100		
156	63.6	51.5	77.3
158	61.9	50.2	75.4

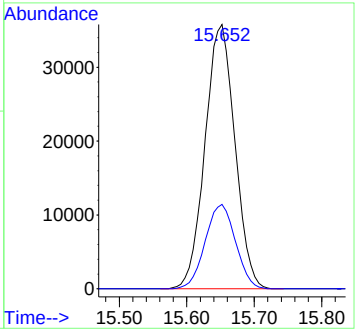


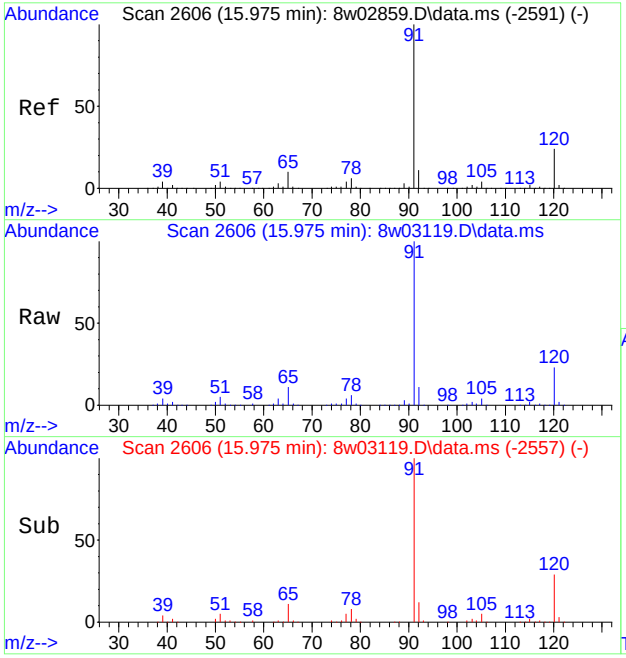


#90
2-CHLOROTOLUENE
Concen: 5.06 PPBV
RT: 15.652 min Scan# 2553
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:126 Resp: 110144

Ion	Ratio	Lower	Upper
126	100		
128	32.4	26.0	39.0

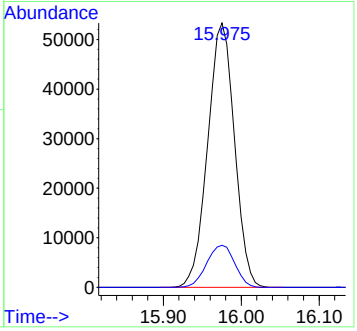


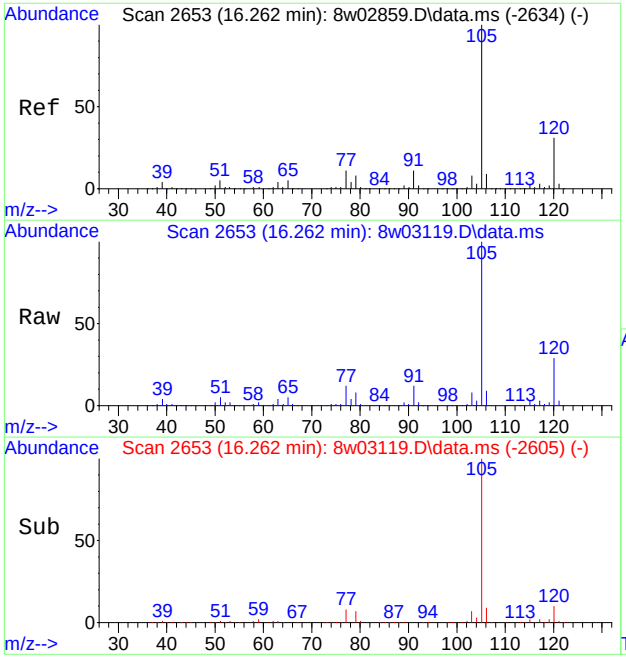


#91
N-PROPYLBENZENE
Concen: 5.12 PPBV
RT: 15.975 min Scan# 2606
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:120 Resp: 126976

Ion	Ratio	Lower	Upper
120	100		
105	16.8	13.3	19.9

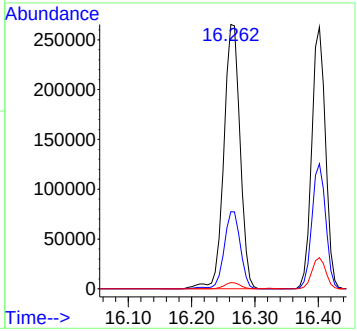


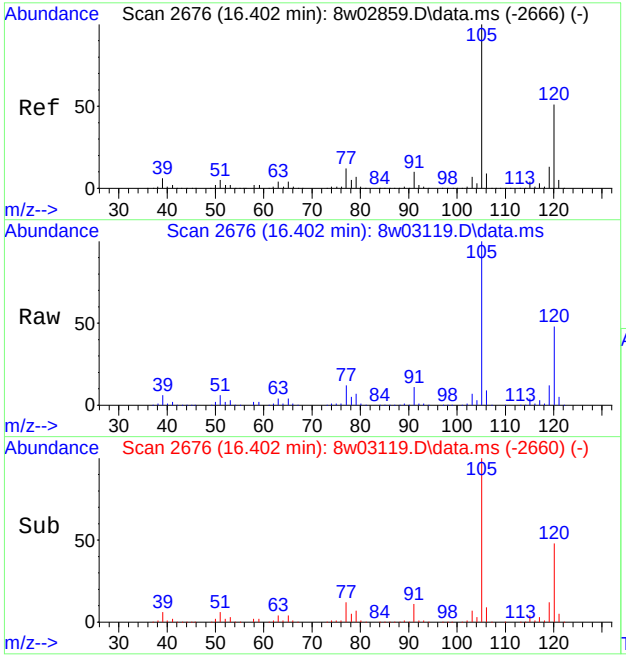


#92
4-ETHYLTOLUENE
Concen: 5.20 PPBV
RT: 16.262 min Scan# 2653
Delta R.T. -0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:105 Resp: 472772

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.2	34.8
119	2.3	1.8	2.8

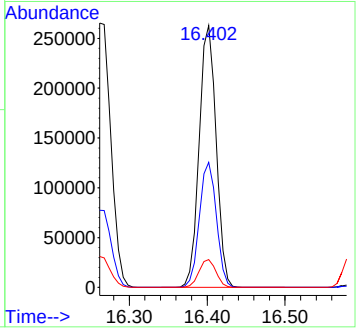


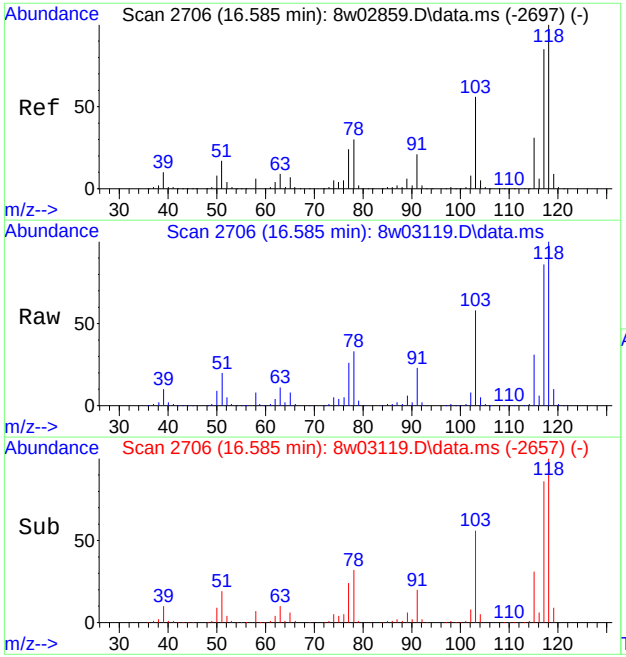


#93
1,3,5-TRIMETHYLBENZENE
Concen: 5.22 PPBV
RT: 16.402 min Scan# 2676
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:105 Resp: 397085

Ion	Ratio	Lower	Upper
105	100		
120	47.9	38.2	57.4
91	10.7	8.7	13.1

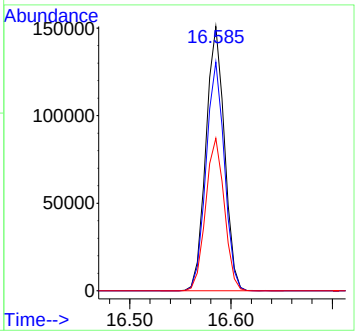


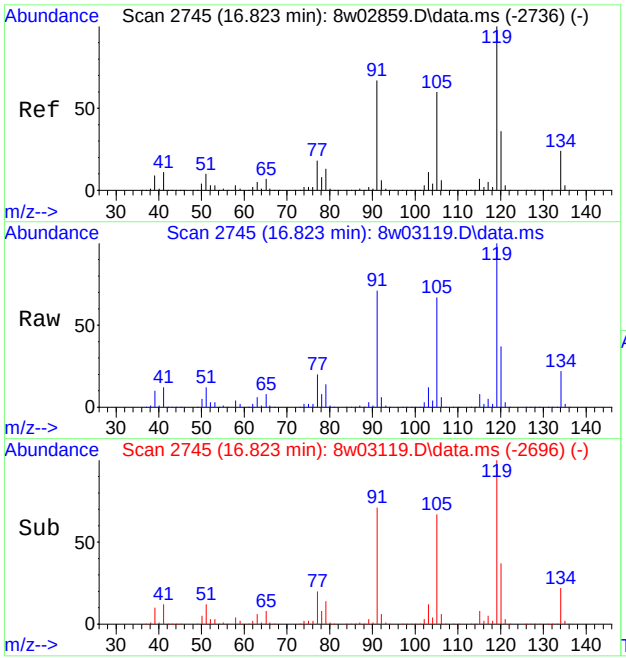


#94
ALPHA-METHYLSTYRENE
Concen: 5.17 PPBV
RT: 16.585 min Scan# 2706
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:118 Resp: 192294

Ion	Ratio	Lower	Upper
118	100		
117	85.6	68.5	102.7
103	58.2	46.9	70.3

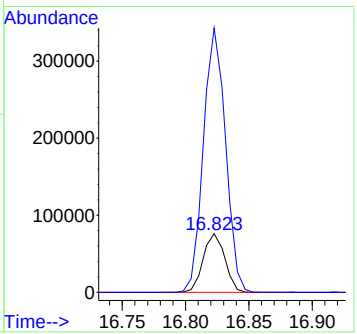


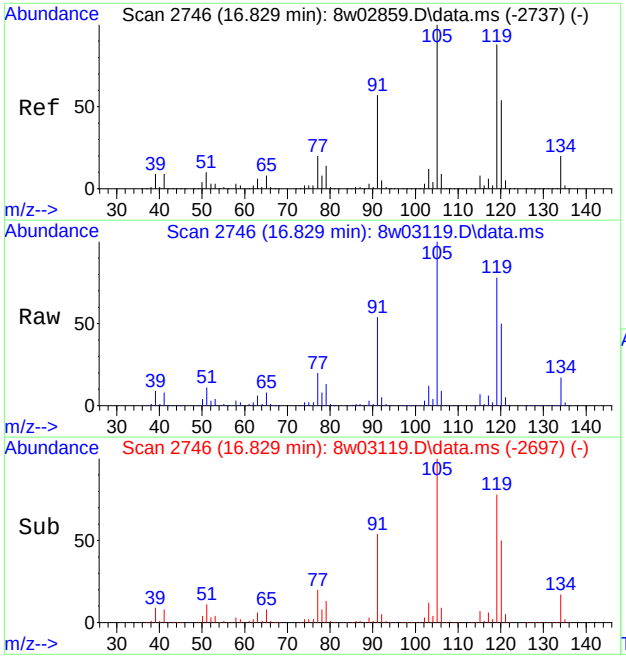


#95
TERT-BUTYLBENZENE
Concen: 5.52 PPBV
RT: 16.823 min Scan# 2745
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:134 Resp: 90115

Ion	Ratio	Lower	Upper
134	100		
119	461.9	376.4	564.6

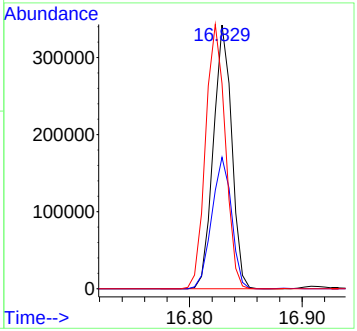


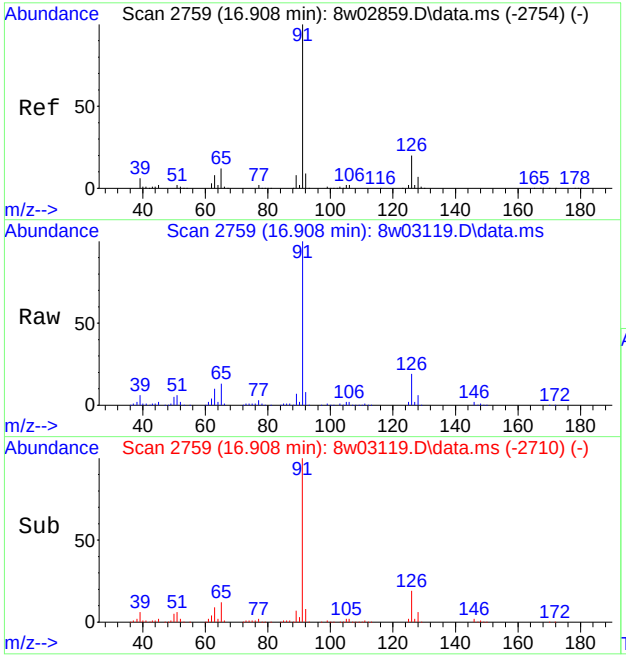


#96
1,2,4-TRIMETHYLBENZENE
Concen: 5.36 PPBV
RT: 16.829 min Scan# 2746
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:105 Resp: 388717

Ion	Ratio	Lower	Upper
105	100		
120	53.7	42.1	63.1
119	107.0	84.6	127.0

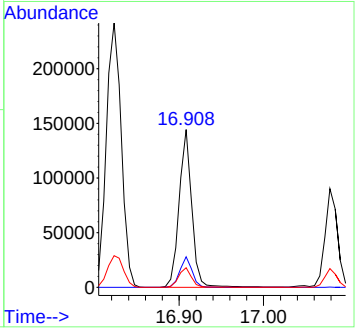


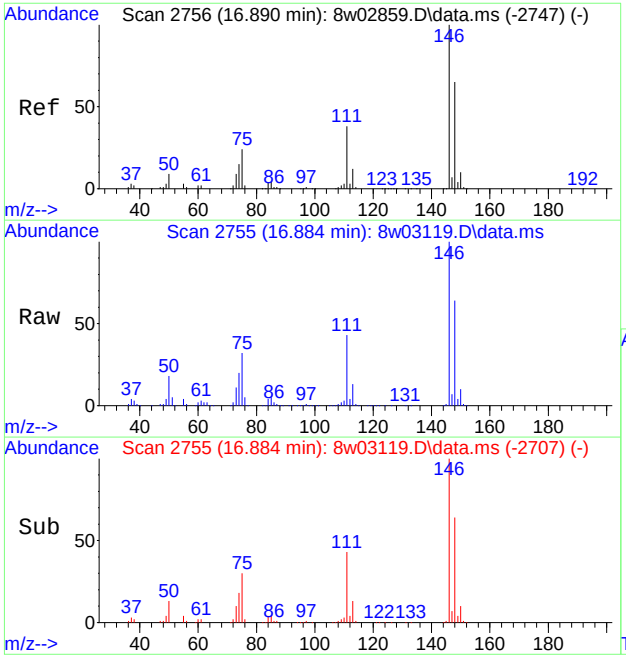


#97
BENZYL CHLORIDE
Concen: 4.07 PPBV
RT: 16.908 min Scan# 2759
Delta R.T. 0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion: 91 Resp: 150182

Ion	Ratio	Lower	Upper
91	100		
126	18.7	15.2	22.8
65	13.0	10.3	15.5

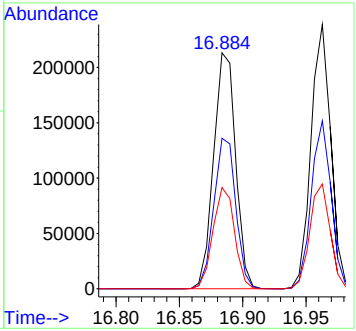


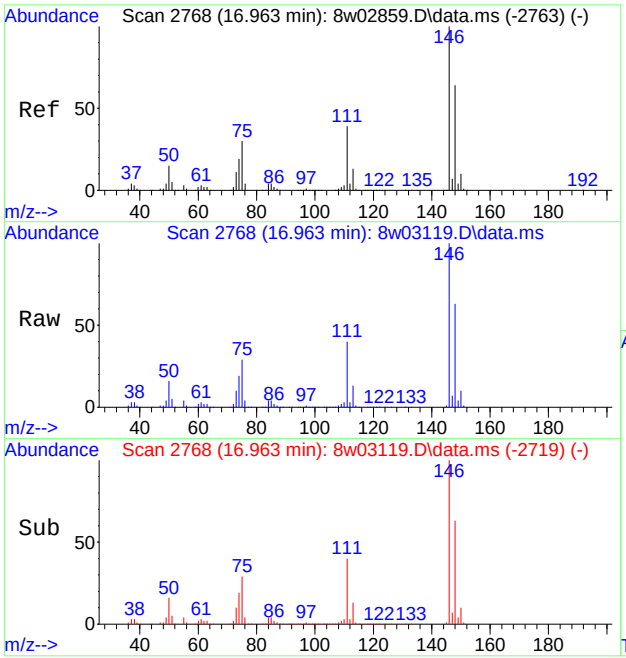


#98
M-DICHLOROBENZENE
Concen: 5.27 PPBV
RT: 16.884 min Scan# 2755
Delta R.T. -0.006 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:146 Resp: 257396

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.4
111	42.0	34.2	51.4

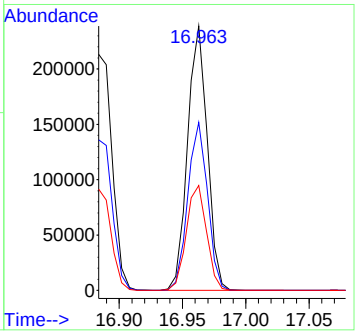


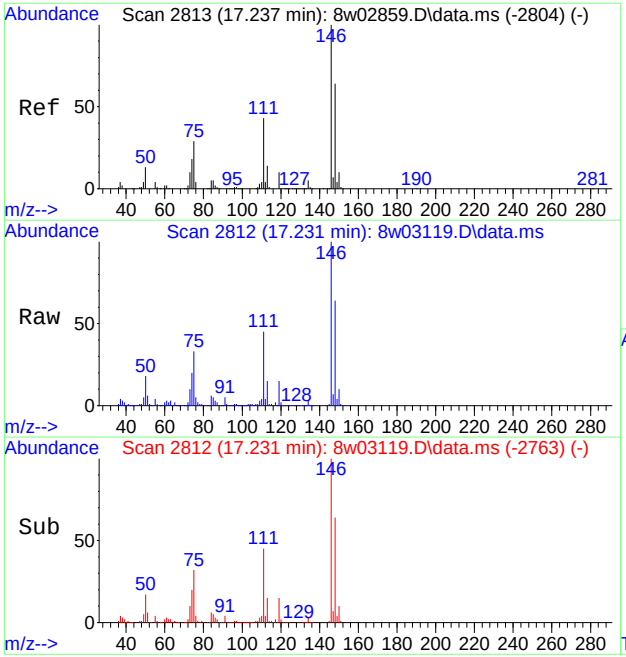


#99
P-DICHLOROBENZENE
Concen: 5.25 PPBV
RT: 16.963 min Scan# 2768
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:146 Resp: 258401

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.4
111	40.8	32.8	49.2

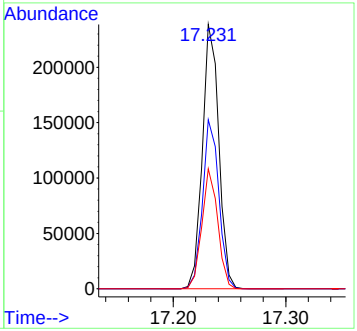


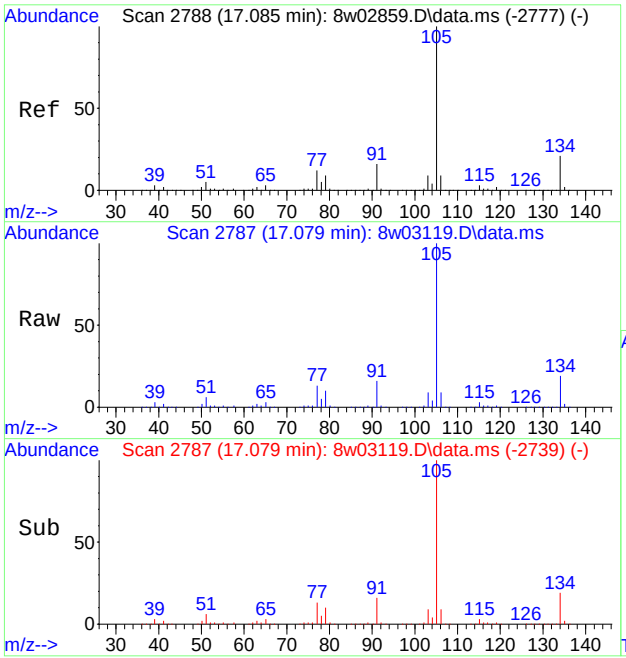


#100
O-DICHLOROBENZENE
Concen: 5.36 PPBV
RT: 17.231 min Scan# 2812
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:146 Resp: 241965

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.9	76.3
111	43.8	35.9	53.9

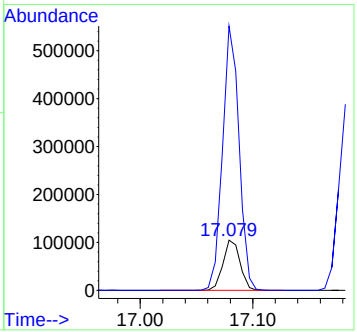


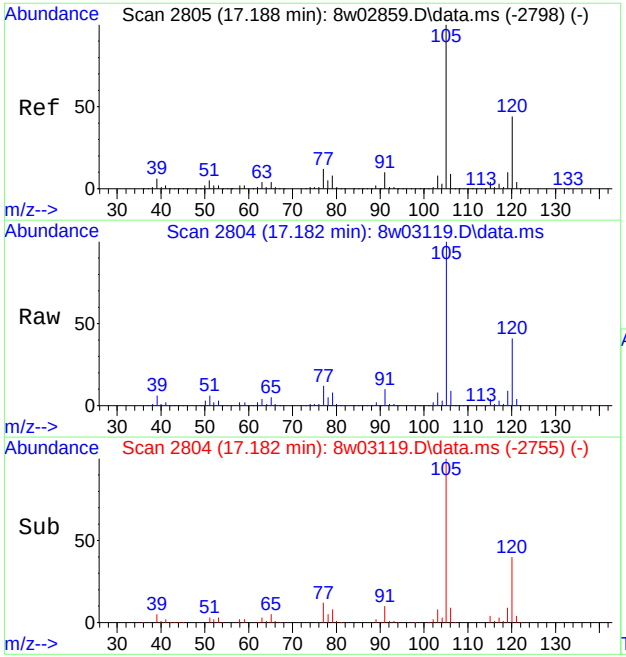


#101
SEC-BUTYLBENZENE
Concen: 5.30 PPBV
RT: 17.079 min Scan# 2787
Delta R.T. -0.007 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:134 Resp: 111104

Ion	Ratio	Lower	Upper
134	100		
105	509.8	405.0	607.6

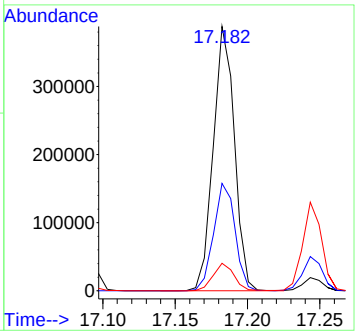


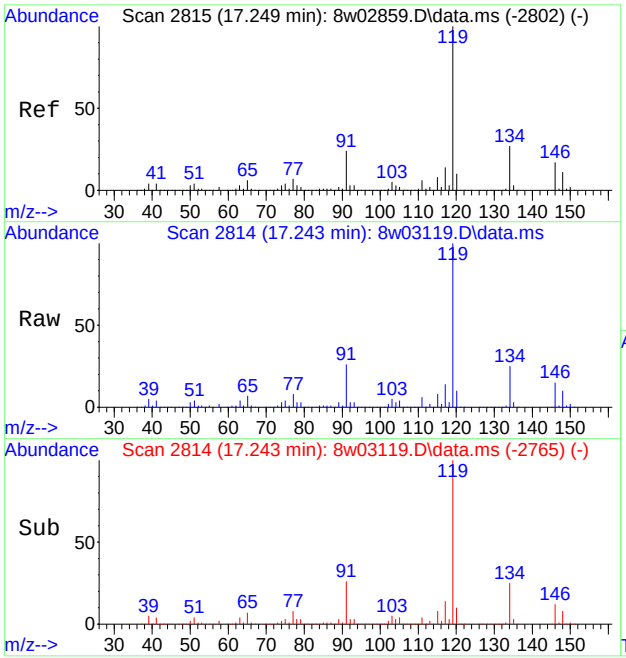


#102
1,2,3-TRIMETHYLBENZENE
Concen: 5.28 PPBV
RT: 17.182 min Scan# 2804
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:105 Resp: 396242

Ion	Ratio	Lower	Upper
105	100		
120	41.2	32.6	49.0
91	10.4	8.4	12.6

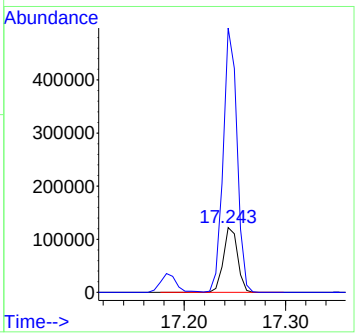


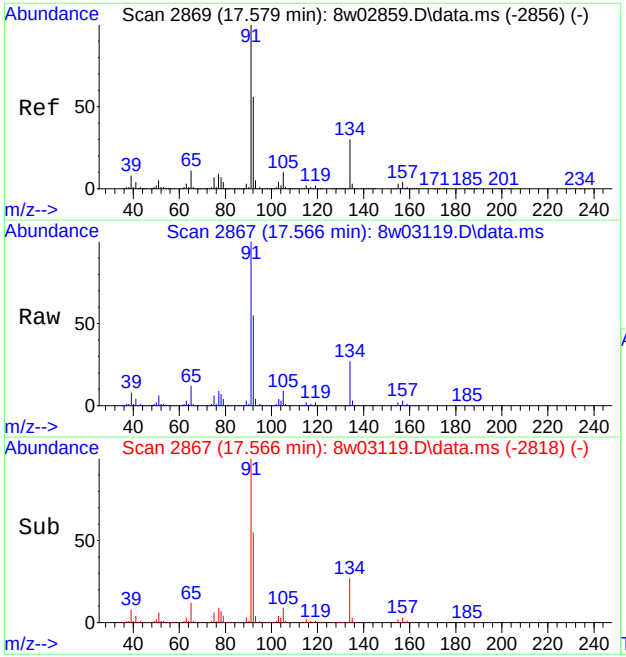


#103
P-ISOPROPYLTOLUENE
Concen: 5.40 PPBV
RT: 17.243 min Scan# 2814
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:134 Resp: 119990

Ion	Ratio	Lower	Upper
134	100		
119	395.7	316.6	474.8

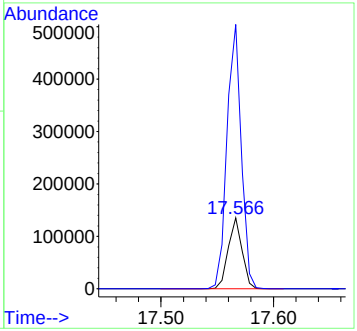


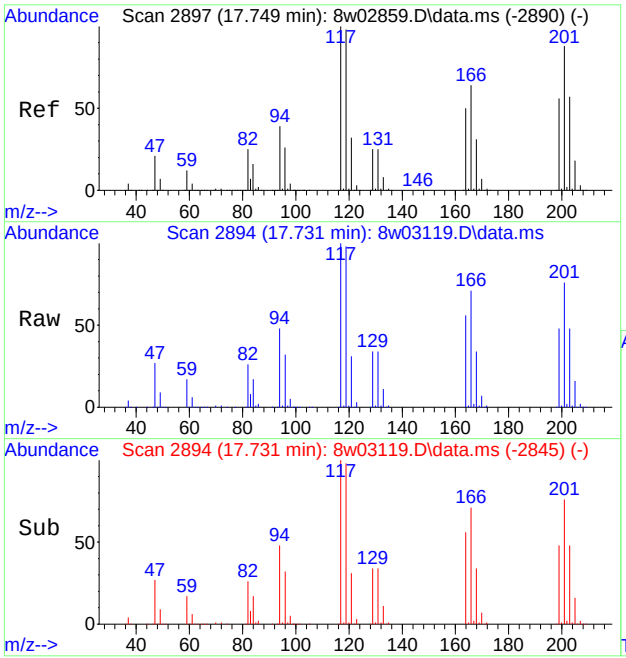


#104
N-BUTYLBENZENE
Concen: 5.29 PPBV
RT: 17.566 min Scan# 2867
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:134 Resp: 115835

Ion	Ratio	Lower	Upper
134	100		
91	384.8	305.3	457.9

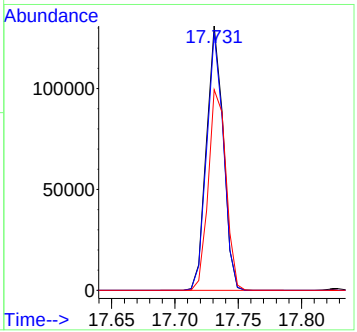


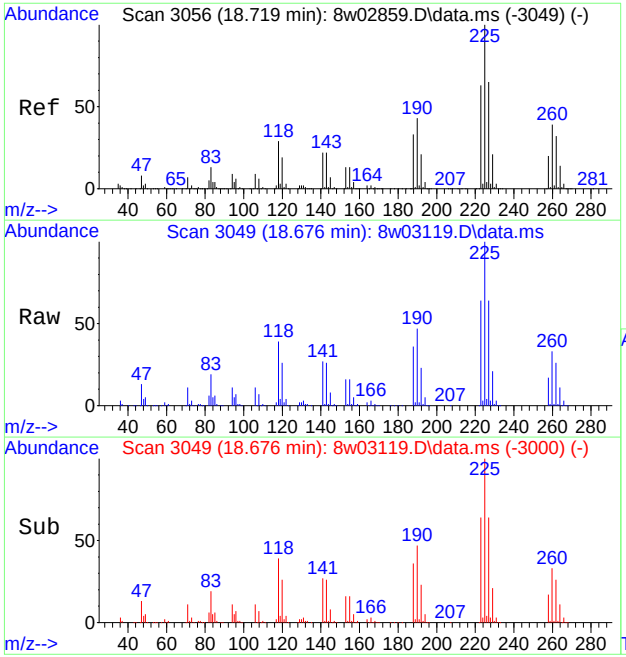


#105
HEXACHLOROETHANE
Concen: 4.83 PPBV
RT: 17.731 min Scan# 2894
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:117 Resp: 120669

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.6
201	79.9	64.2	96.2

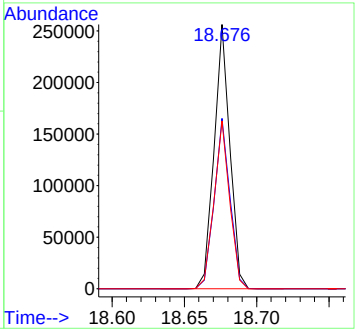


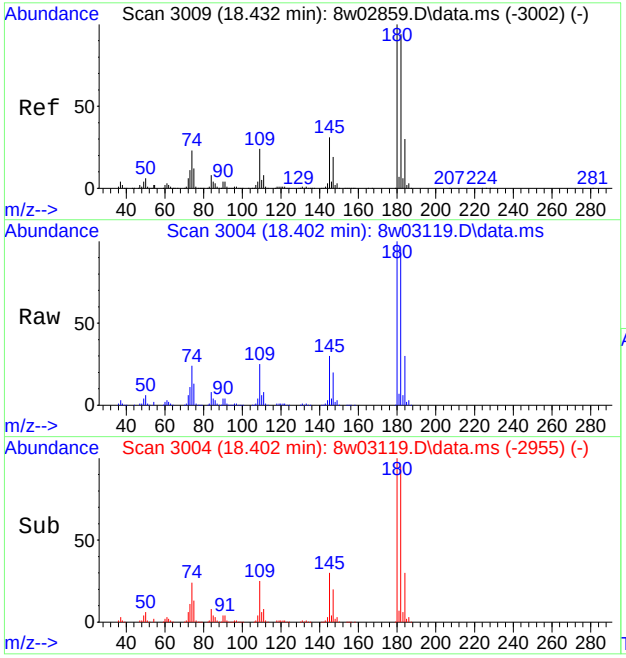


#106
HEXACHLOROBUTADIENE
Concen: 5.03 PPBV
RT: 18.676 min Scan# 3049
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:225 Resp: 196221

Ion	Ratio	Lower	Upper
225	100		
227	64.1	51.2	76.8
223	62.7	50.2	75.4

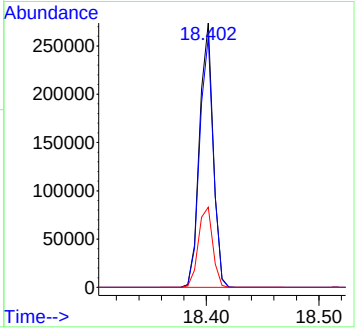


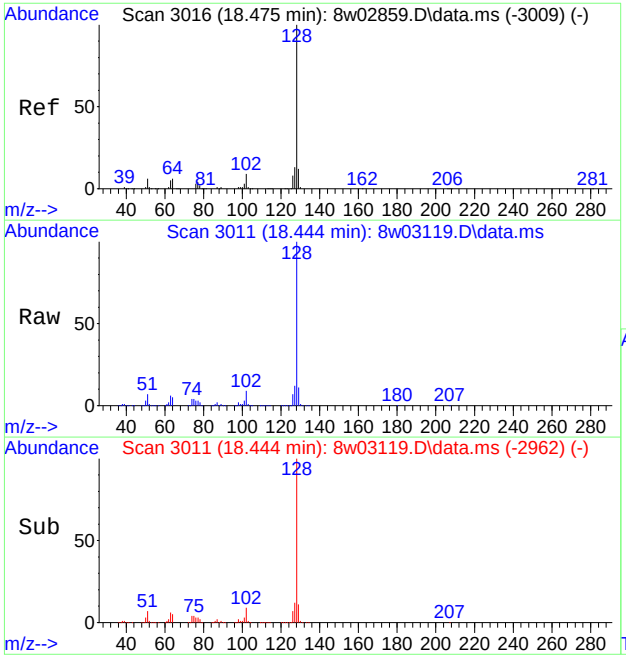


#107
1,2,4-TRICHLOROBENZENE
Concen: 5.02 PPBV
RT: 18.402 min Scan# 3004
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:180 Resp: 230222

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.0	114.0
145	32.1	26.2	39.2

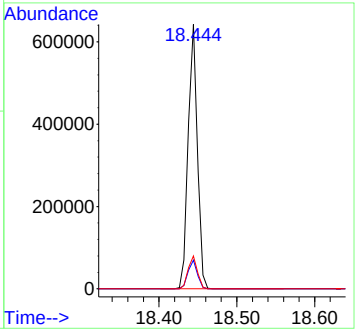


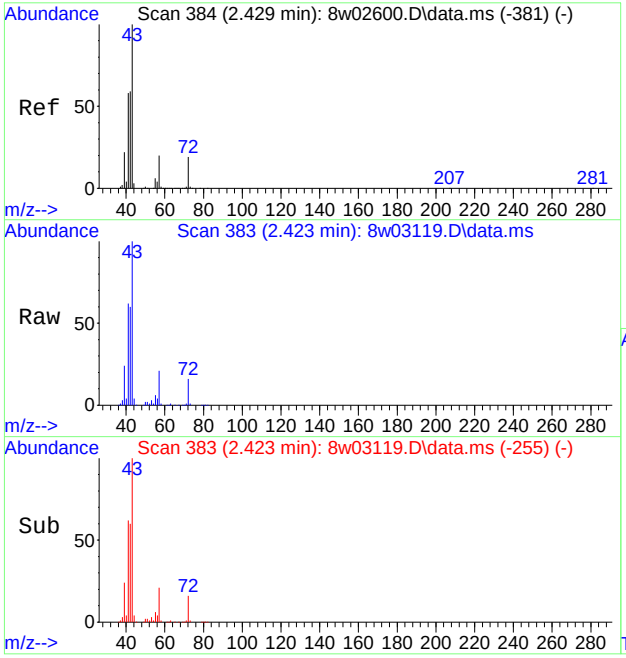


#108
NAPHTHALENE
Concen: 5.06 PPBV
RT: 18.444 min Scan# 3011
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:128 Resp: 528613

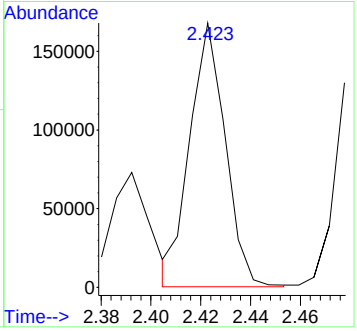
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.5	10.2	15.2





#110
TVHC as equiv Pentane
Concen: 3.58 PPBV m
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03119.D
Acq: 20 Dec 2023 12:03 am

Tgt Ion:TIC Resp: 165771



Manual Integration Approval Summary

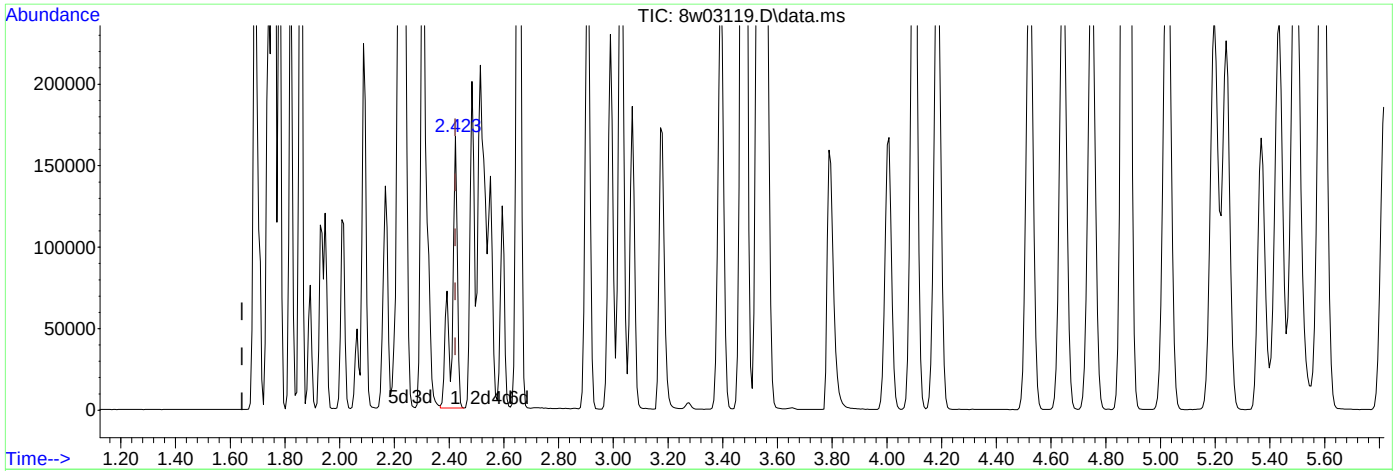
Sample Number:	V8W124-IC0124	**Method:**	TO-15
Lab FileID:	8W03119.D	**Analyst approved:**	12/21/23 10:34 Taylor Sauter
Injection Time:	12/20/23 00:03	**Supervisor approved:**	12/21/23 12:33 Kanya Veerawat

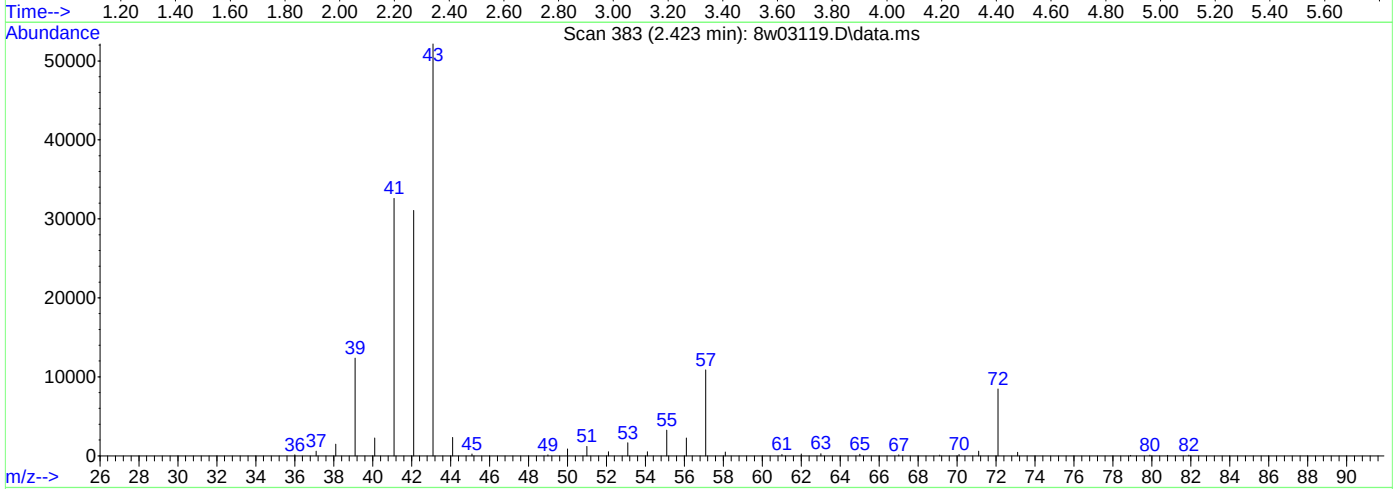
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03119.D
Acq On : 20 Dec 2023 12:03 am
Operator : taylors
Sample : ic0124-5
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 08:33:05 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03119.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 5.15PPBV

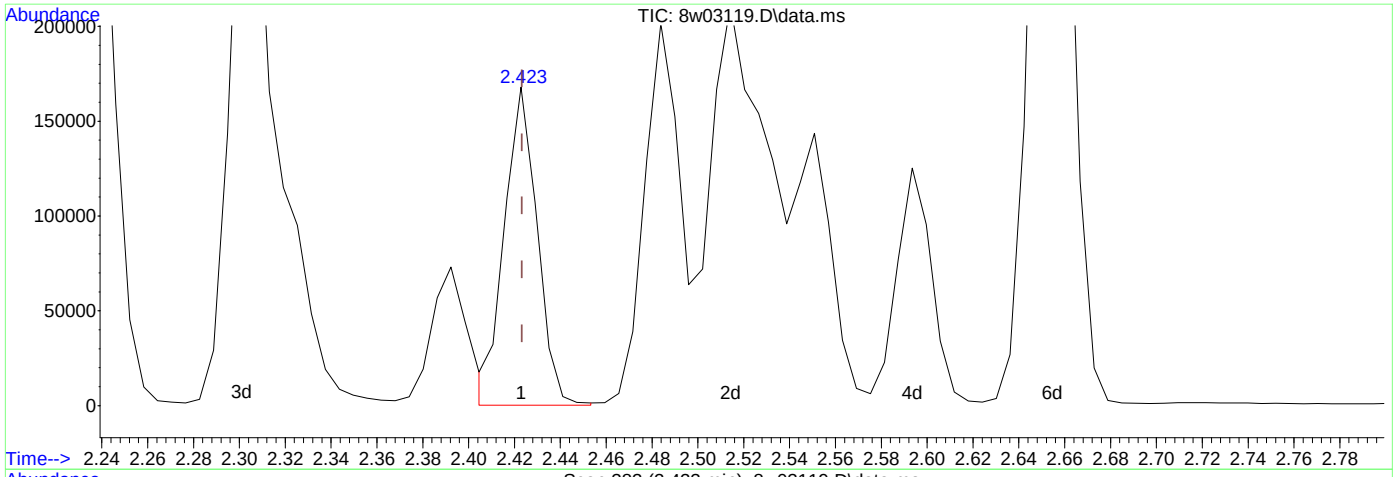
response 238481

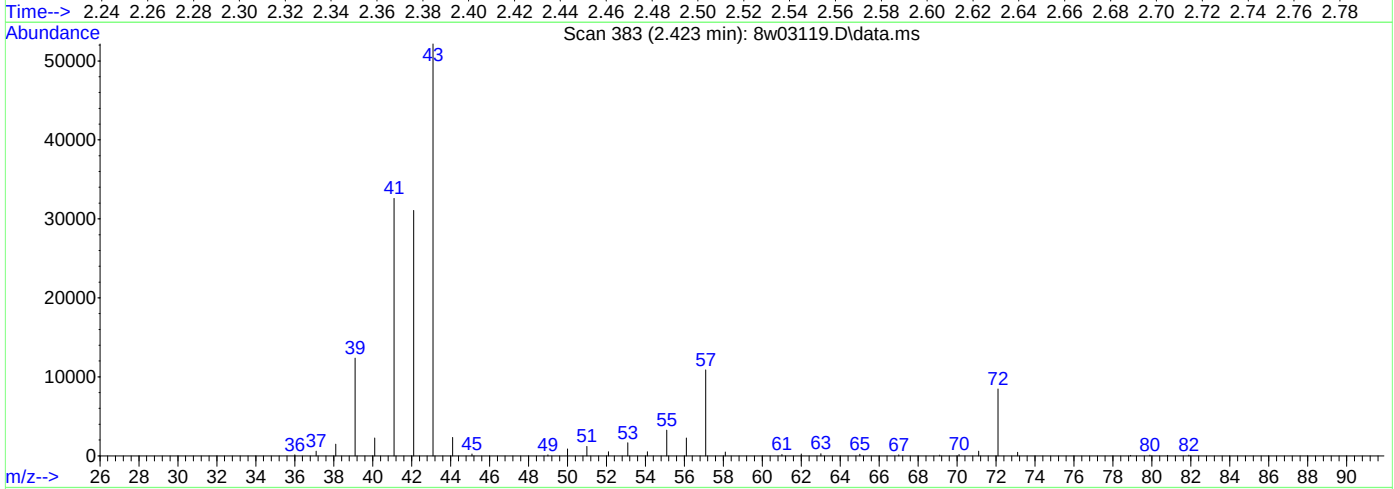
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03119.D
Acq On : 20 Dec 2023 12:03 am
Operator : taylors
Sample : ic0124-5
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 08:33:05 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03119.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 3.58PPBV m

response 165771

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/21/23 12:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03120.D
Acq On : 20 Dec 2023 12:38 am
Operator : taylors
Sample : icc0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:48:14 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	157558	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	782358	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.721	117	745540	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	157558	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.153	95	576948	10.00	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	94271	10.00	PPBV		100
4) CHLORODIFLUOROMETHANE	1.753	67	41244	10.00	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.765	116	194663	10.00	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.777	85	334465	10.00	PPBV		100
7) PROPYLENE	1.759	41	90904	10.00	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	220991	10.00	PPBV	#	100
9) FREON 114	1.856	85	251357	10.00	PPBV		100
10) CHLOROMETHANE	1.826	52	17146	10.00	PPBV		100
11) VINYL CHLORIDE	1.893	62	76235	10.00	PPBV		100
12) 1,3-BUTADIENE	1.929	54	52634	10.00	PPBV		100
13) N-BUTANE	1.948	43	85543	10.00	PPBV		100
14) BROMOMETHANE	2.009	94	79296	10.00	PPBV		100
15) CHLOROETHANE	2.064	64	41582	10.00	PPBV		100
16) DICHLOROFLUOROMETHANE	2.088	67	201782	10.00	PPBV		100
17) ACETONITRILE	2.161	41	48418	10.00	PPBV		100
18) ACROLEIN	2.198	56	34039	10.00	PPBV		100
19) FREON 123	2.216	83	201061	10.00	PPBV		100
20) FREON 123A	2.234	117	131110	10.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.301	101	307111	10.00	PPBV		100
22) ISOPROPYL ALCOHOL	2.320	45	134777	10.00	PPBV		100
23) ACETONE	2.240	58	35987	10.00	PPBV		100
24) PENTANE	2.423	42	57733	10.00	PPBV		100
25) IODOMETHANE	2.484	142	233140	10.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.515	96	81269	10.00	PPBV		100
27) CARBON DISULFIDE	2.655	76	175410	10.00	PPBV	#	100
28) ETHANOL	2.094	45	29133	10.00	PPBV		100
29) BROMOETHENE	2.167	106	83302	10.00	PPBV		100
30) ACRYLONITRILE	2.393	52	48163	10.00	PPBV		100
31) METHYLENE CHLORIDE	2.551	84	70532	10.00	PPBV		100
32) 3-CHLOROPROPENE	2.594	76	35744	10.00	PPBV		100
33) FREON 113	2.655	151	162911	10.00	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.905	96	141095	10.00	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.527	59	177483	10.00	PPBV		100
36) METHYL TERTIARY BUTYL ...	3.027	73	414059	10.00	PPBV		100
37) TETRAHYDROFURAN	3.789	72	72500	10.00	PPBV		100
38) HEXANE	3.533	57	236536	10.00	PPBV		100
39) VINYL ACETATE	3.069	86	39417	10.00	PPBV		100
40) 1,1-DICHLOROETHANE	2.990	63	266859	10.00	PPBV		100
41) METHYL ETHYL KETONE	3.173	72	75934	10.00	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.393	96	165912	10.00	PPBV		100
43) DIISOPROPYL ETHER	3.539	59	71353	10.00	PPBV		100
44) ETHYL ACETATE	3.545	61	44878	10.00	PPBV		100
45) METHYL ACRYLATE	3.527	55	290068	10.00	PPBV	#	100
46) CHLOROFORM	3.557	83	315027	10.00	PPBV		100
47) 2,4-DIMETHYLPENTANE	4.100	57	305751	10.00	PPBV		100
48) 1,1,1-TRICHLOROETHANE	4.185	97	329079	10.00	PPBV		100
49) CARBON TETRACHLORIDE	4.642	117	336019	10.00	PPBV		100
50) 1,2-DICHLOROETHANE	4.002	62	232829	10.00	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03120.D
Acq On : 20 Dec 2023 12:38 am
Operator : taylors
Sample : icc0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:48:14 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) BENZENE	4.520	78	454824	10.00	PPBV	100
53) CYCLOHEXANE	4.746	84	206713	10.00	PPBV	100
54) 2,3-DIMETHYLPENTANE	5.026	71	104033	10.00	PPBV	100
55) TRICHLOROETHENE	5.490	95	211240	10.00	PPBV	100
56) 1,2-DICHLOROPROPANE	5.240	63	171573	10.00	PPBV	100
57) DIBROMOMETHANE	5.197	174	193002	10.00	PPBV	100
58) ETHYL ACRYLATE	5.368	55	366402	10.00	PPBV	100
59) BROMODICHLOROMETHANE	5.435	83	340823	10.00	PPBV	100
60) 2,2,4-TRIMETHYLPENTANE	5.593	57	791853	10.00	PPBV	100
61) 1,4-DIOXANE	5.502	88	111118	10.00	PPBV	100
62) HEPTANE	5.929	43	247536	10.00	PPBV	100
63) METHYL METHACRYLATE	5.819	69	167113	10.00	PPBV	100
64) METHYL ISOBUTYL KETONE	6.593	58	150587	10.00	PPBV	100
65) CIS-1,3-DICHLOROPROPENE	6.483	75	246144	10.00	PPBV	100
66) TOLUENE	7.758	91	566416	10.00	PPBV	100
67) 1,3-DICHLOROPROPANE	7.819	76	276170	10.00	PPBV	100
68) TRANS-1,3-DICHLOROPROPENE	7.203	75	217462	10.00	PPBV	100
69) 1,1,2-TRICHLOROETHANE	7.367	83	158346	10.00	PPBV	100
70) 2-HEXANONE	8.349	58	201017	10.00	PPBV	100
71) ETHYL METHACRYLATE	8.483	69	267580	10.00	PPBV	100
72) TETRACHLOROETHENE	9.556	164	227684	10.00	PPBV	100
73) DIBROMOCHLOROMETHANE	8.319	129	331430	10.00	PPBV	100
74) 1,2-DIBROMOETHANE	8.672	107	302424	10.00	PPBV	100
75) OCTANE	9.702	43	337059	10.00	PPBV	100
77) 1,1,1,2-TETRACHLOROETHANE	10.812	131	248169	10.00	PPBV	100
78) CHLOROBENZENE	10.800	112	484829	10.00	PPBV	100
79) ETHYLBENZENE	11.702	91	809606	10.00	PPBV	100
80) M,P-XYLENE	12.141	91	1261398	20.00	PPBV	100
81) O-XYLENE	13.098	91	637155	10.00	PPBV	100
82) STYRENE	12.879	104	489449	10.00	PPBV	100
83) NONANE	14.226	43	382706	10.00	PPBV	100
84) BROMOFORM	11.952	173	325975	10.00	PPBV	100
85) 1,1,2,2-TETRACHLOROETHANE	13.110	83	436819	10.00	PPBV	100
86) 1,2,3-TRICHLOROPROPANE	13.391	75	354157	10.00	PPBV	100
88) ISOPROPYLBENZENE	14.634	120	237925	10.00	PPBV	100
89) BROMOBENZENE	14.506	77	442563	10.00	PPBV	100
90) 2-CHLOROTOLUENE	15.653	126	217337	10.00	PPBV	100
91) N-PROPYLBENZENE	15.976	120	247629	10.00	PPBV	100
92) 4-ETHYLTOLUENE	16.268	105	909295	10.00	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	16.402	105	759574	10.00	PPBV	100
94) ALPHA-METHYLSTYRENE	16.585	118	371862	10.00	PPBV	100
95) TERT-BUTYLBENZENE	16.823	134	163169	10.00	PPBV	100
96) 1,2,4-TRIMETHYLBENZENE	16.829	105	725146	10.00	PPBV	100
97) BENZYL CHLORIDE	16.908	91	368840	10.00	PPBV	100
98) M-DICHLOROBENZENE	16.890	146	487953	10.00	PPBV	100
99) P-DICHLOROBENZENE	16.963	146	491861	10.00	PPBV	100
100) O-DICHLOROBENZENE	17.232	146	451554	10.00	PPBV	100
101) SEC-BUTYLBENZENE	17.085	134	209347	10.00	PPBV	100
102) 1,2,3-TRIMETHYLBENZENE	17.183	105	750191	10.00	PPBV	100
103) P-ISOPROPYLTOLUENE	17.244	134	221944	10.00	PPBV	100
104) N-BUTYLBENZENE	17.567	134	218939	10.00	PPBV	100
105) HEXACHLOROETHANE	17.731	117	249526	10.00	PPBV	100
106) HEXACHLOROBUTADIENE	18.676	225	390158	10.00	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.402	180	458272	10.00	PPBV	100
108) NAPHTHALENE	18.445	128	1044173	10.00	PPBV	100
110) TVHC as equiv Pentane	2.423	TIC	314171m	6.90	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03120.D
Acq On : 20 Dec 2023 12:38 am
Operator : taylors
Sample : icc0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:48:14 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

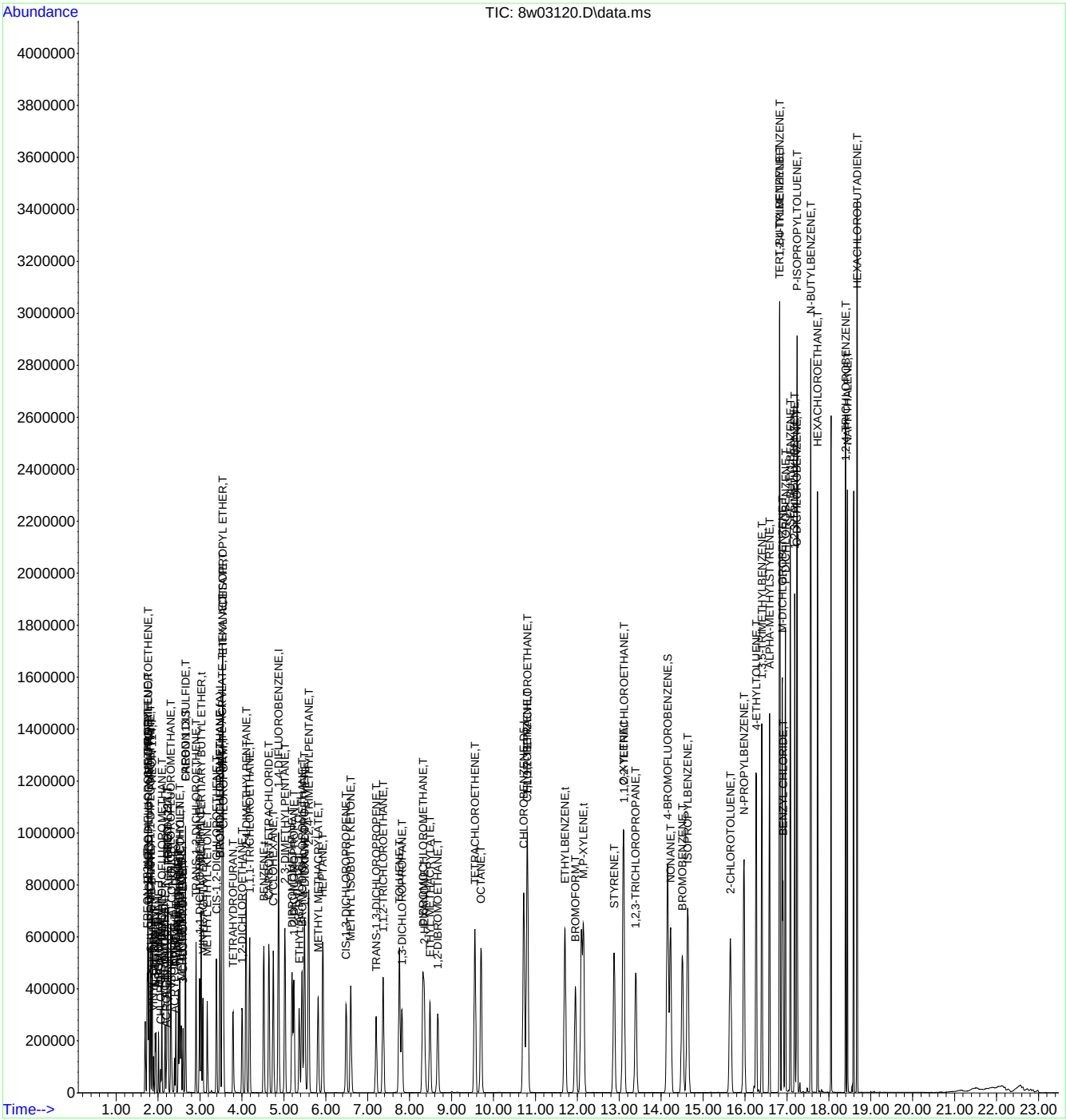
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

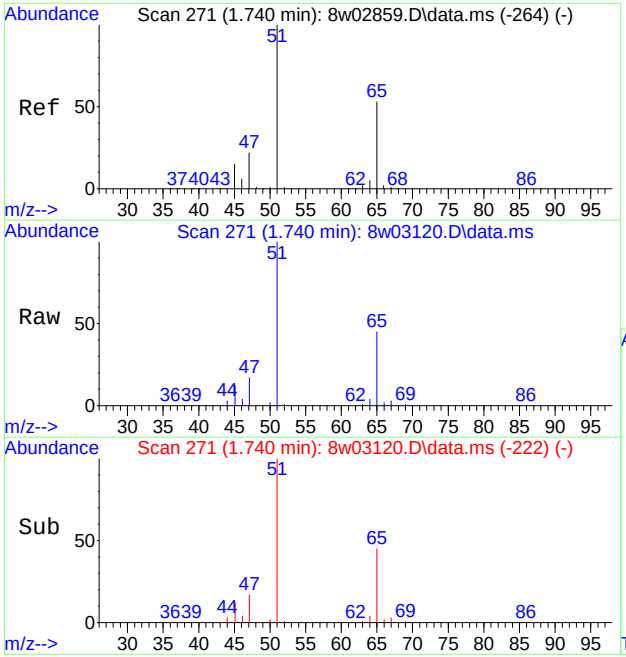
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03120.D
Acq On : 20 Dec 2023 12:38 am
Operator : taylors
Sample : icc0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:48:14 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

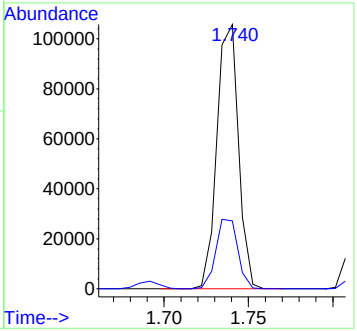


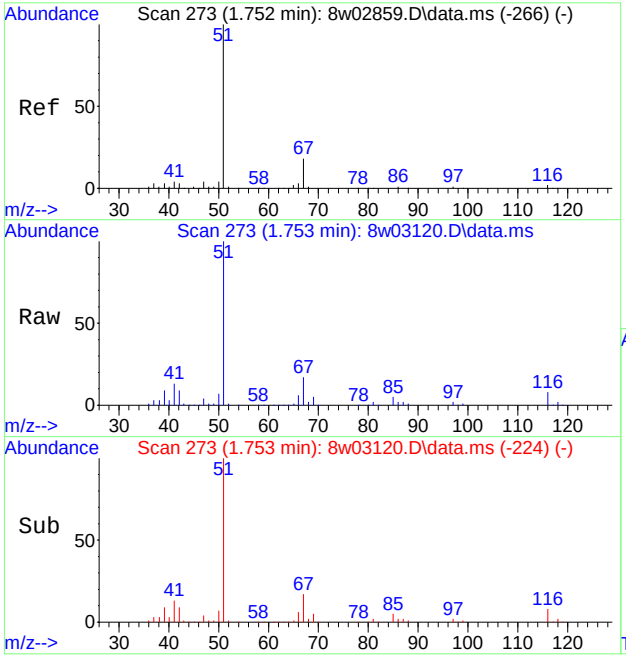


#3
FREON 152A
Concen: 10.00 PPBV
RT: 1.740 min Scan# 271
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 65 Resp: 94271

Ion	Ratio	Lower	Upper
65	100		
45	26.9	21.5	32.3

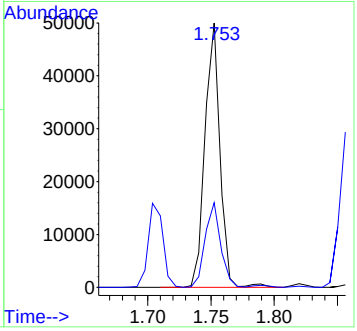


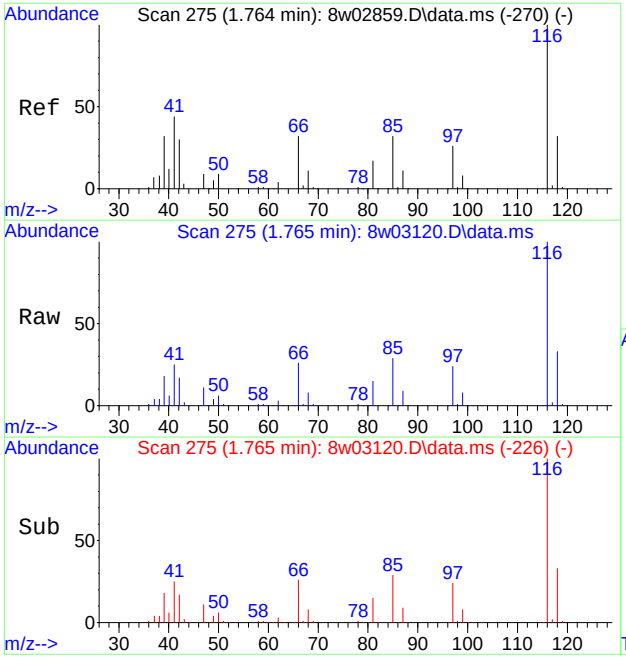


#4
CHLORODIFLUOROMETHANE
Concen: 10.00 PPBV
RT: 1.753 min Scan# 273
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 67 Resp: 41244

Ion	Ratio	Lower	Upper
67	100		
69	34.1	27.3	40.9

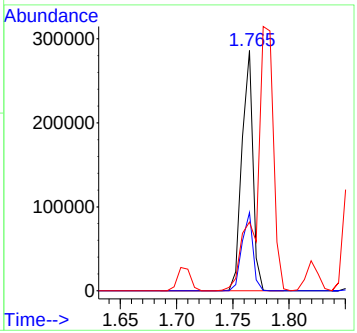


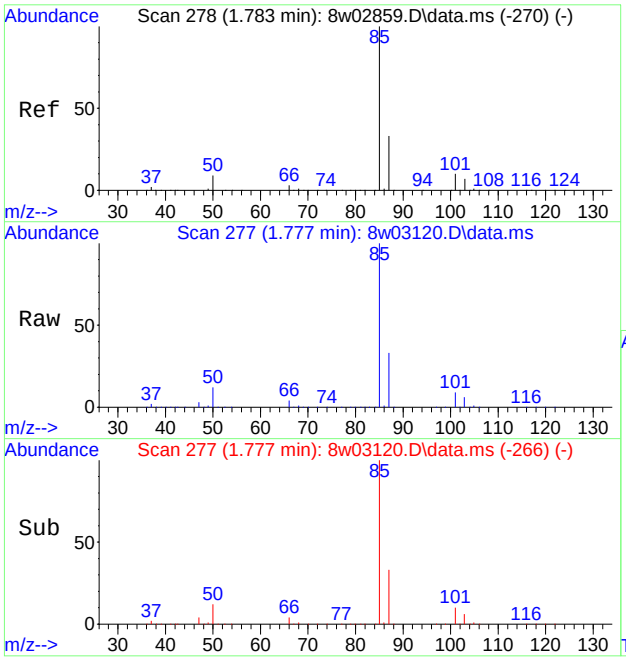


#5
CHLOROTRIFLUOROETHENE
Concen: 10.00 PPBV
RT: 1.765 min Scan# 275
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:116 Resp: 194663

Ion	Ratio	Lower	Upper
116	100		
118	32.6	26.1	39.1
85	171.8	137.4	206.2

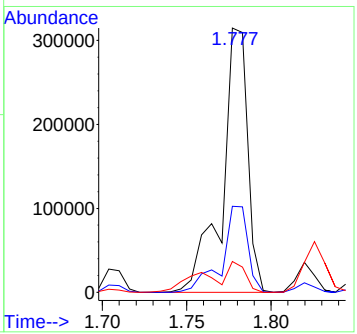


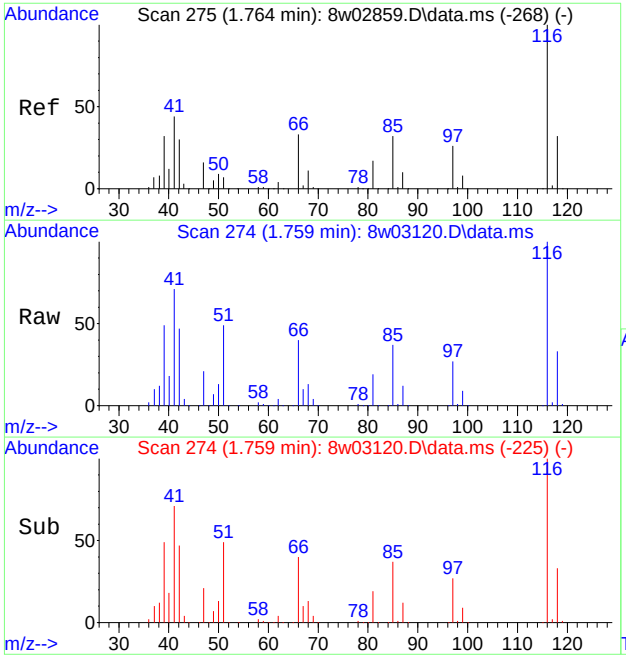


#6
DICHLORODIFLUOROMETHANE
Concen: 10.00 PPBV
RT: 1.777 min Scan# 277
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 85 Resp: 334465

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.3	39.5
50	17.2	13.8	20.6

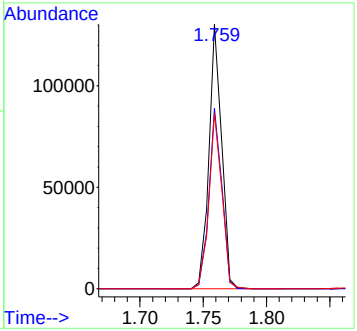


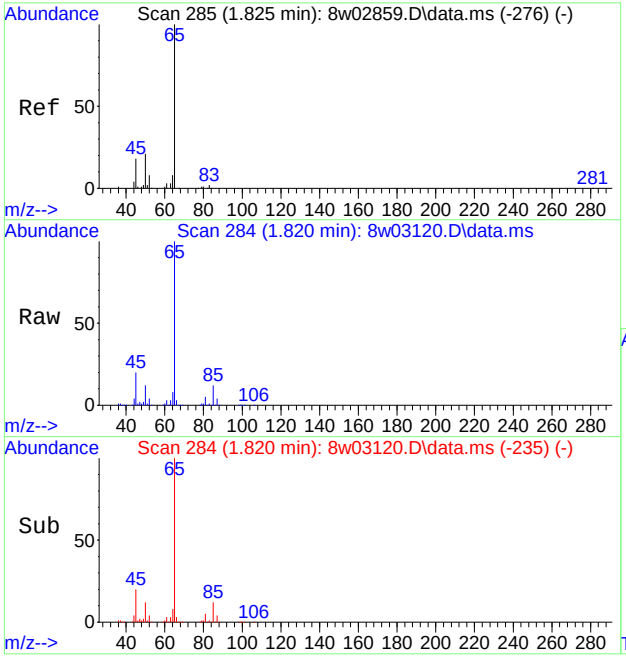


#7
PROPYLENE
Concen: 10.00 PPBV
RT: 1.759 min Scan# 274
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 41 Resp: 90904

Ion	Ratio	Lower	Upper
41	100		
39	69.7	55.8	83.6
42	67.2	53.8	80.6

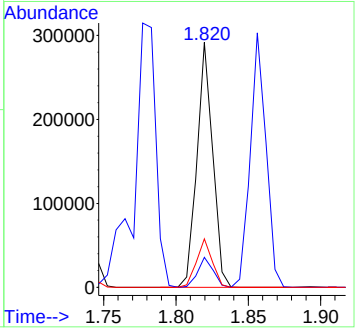


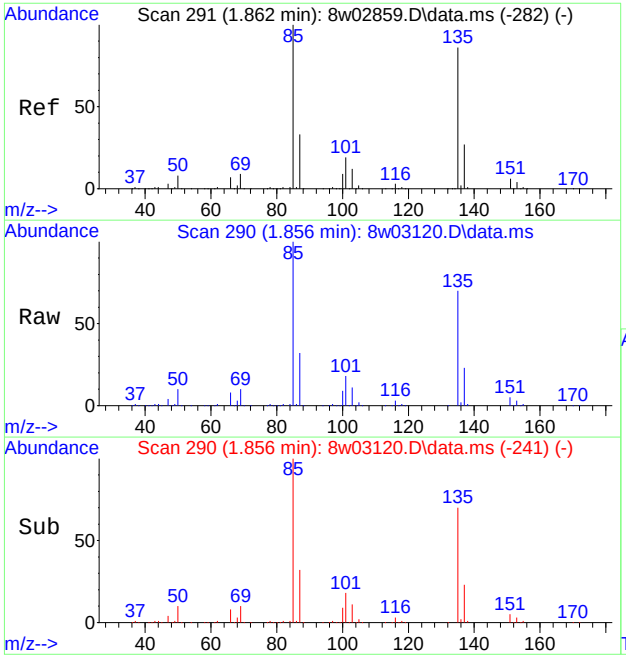


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 10.00 PPBV
RT: 1.820 min Scan# 284
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 65 Resp: 220991

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	19.9	15.9	23.9

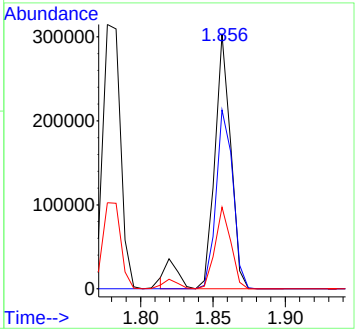


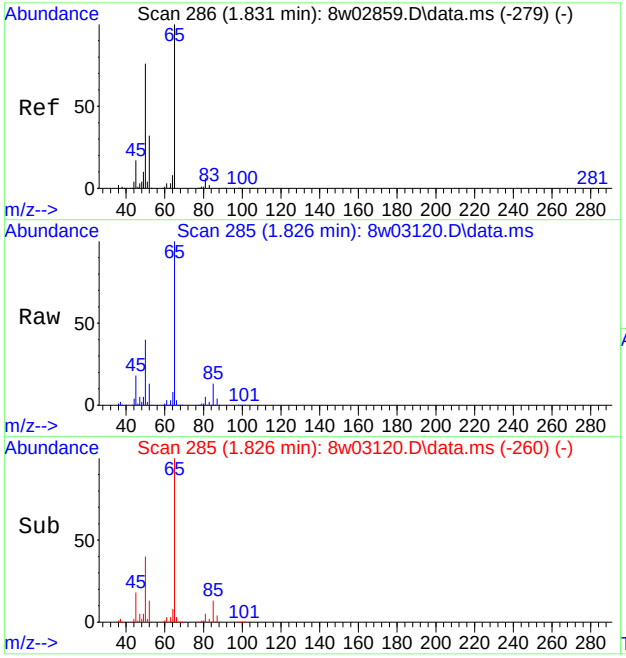


#9
FREON 114
Concen: 10.00 PPBV
RT: 1.856 min Scan# 290
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 85 Resp: 251357

Ion	Ratio	Lower	Upper
85	100		
135	68.6	54.9	82.3
87	32.3	25.8	38.8

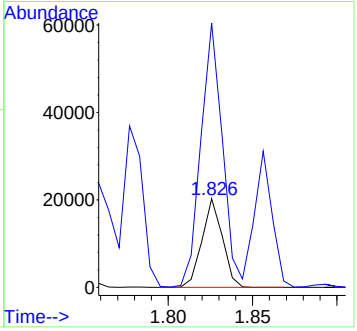


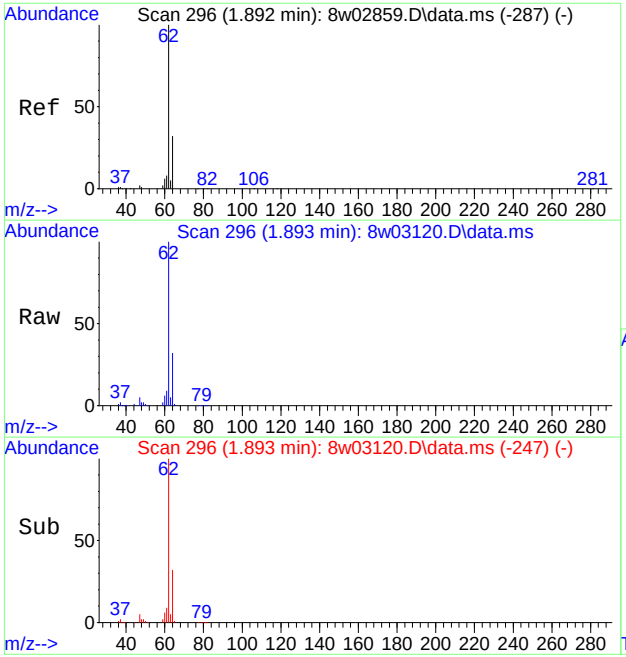


#10
CHLOROMETHANE
Concen: 10.00 PPBV
RT: 1.826 min Scan# 285
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 52 Resp: 17146

Ion	Ratio	Lower	Upper
52	100		
50	447.6	358.1	537.1

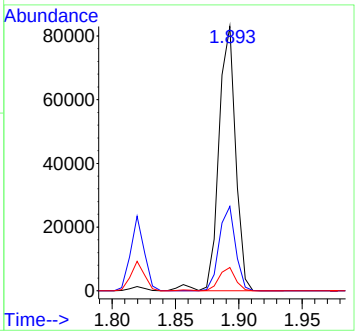


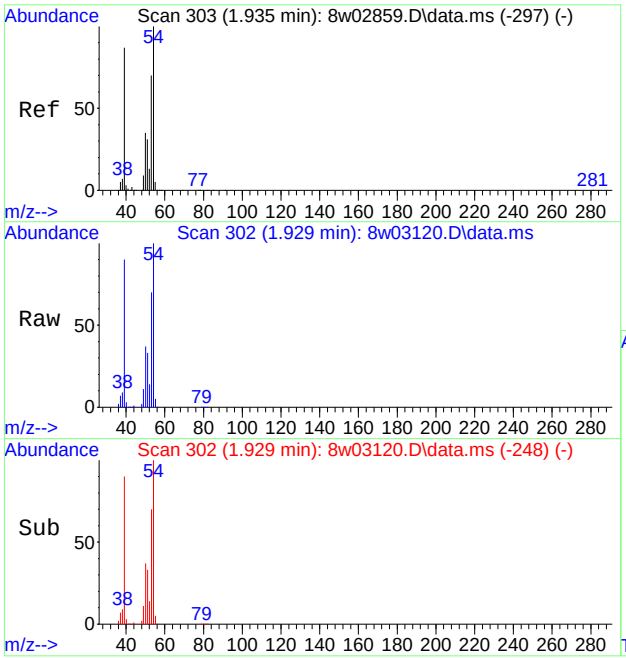


#11
VINYL CHLORIDE
Concen: 10.00 PPBV
RT: 1.893 min Scan# 296
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 62 Resp: 76235

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3
61	8.7	7.0	10.4

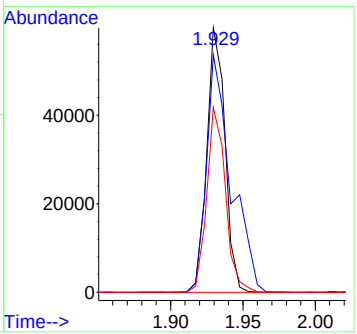


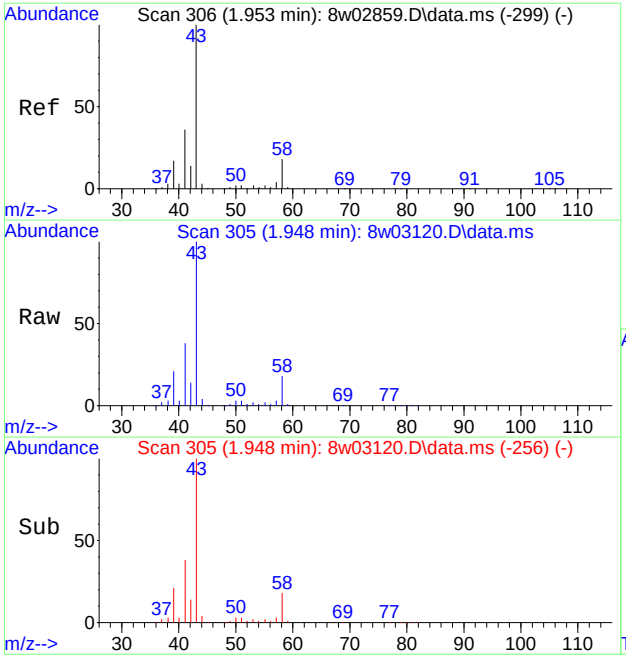


#12
1,3-BUTADIENE
Concen: 10.00 PPBV
RT: 1.929 min Scan# 302
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 54 Resp: 52634

Ion	Ratio	Lower	Upper
54	100		
39	121.6	101.6	141.6
53	71.8	51.8	91.8

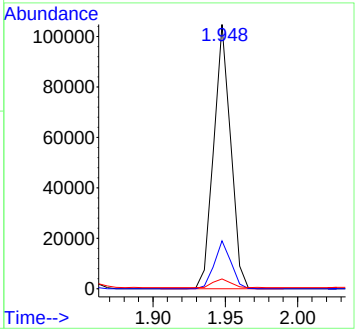


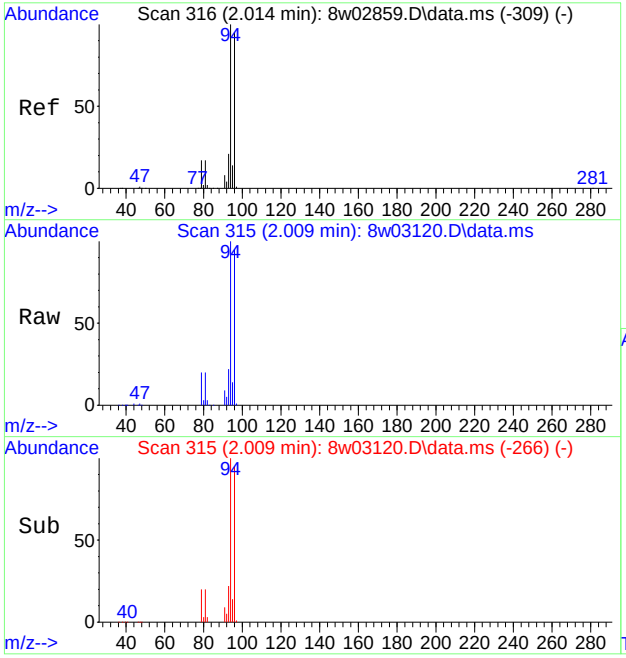


#13
N-BUTANE
Concen: 10.00 PPBV
RT: 1.948 min Scan# 305
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 43 Resp: 85543

Ion	Ratio	Lower	Upper
43	100		
58	17.8	14.2	21.4
44	3.6	2.9	4.3

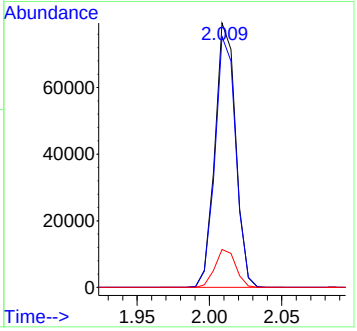


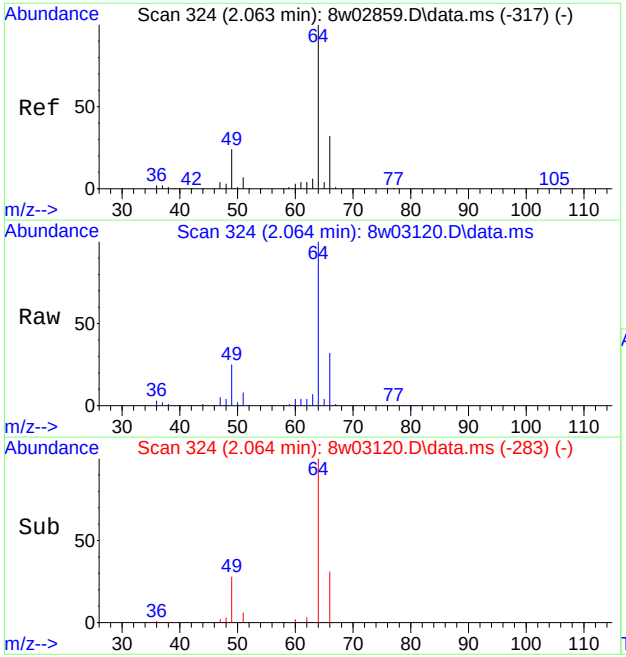


#14
BROMOMETHANE
Concen: 10.00 PPBV
RT: 2.009 min Scan# 315
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 94 Resp: 79296

Ion	Ratio	Lower	Upper
94	100		
96	95.0	76.0	114.0
95	14.4	11.5	17.3

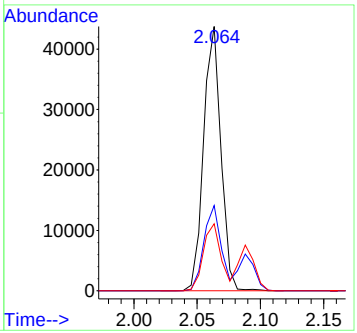


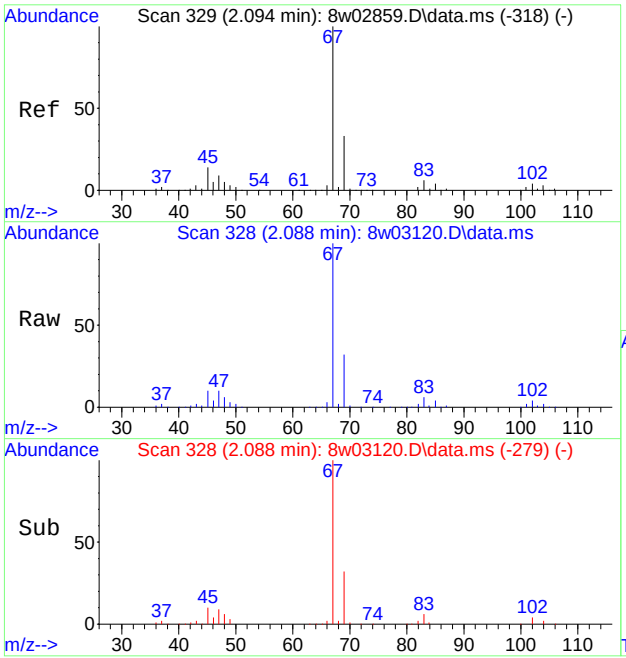


#15
CHLOROETHANE
Concen: 10.00 PPBV
RT: 2.064 min Scan# 324
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 64 Resp: 41582

Ion	Ratio	Lower	Upper
64	100		
66	45.4	36.3	54.5
49	42.3	33.8	50.8

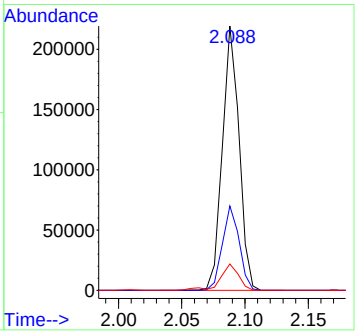


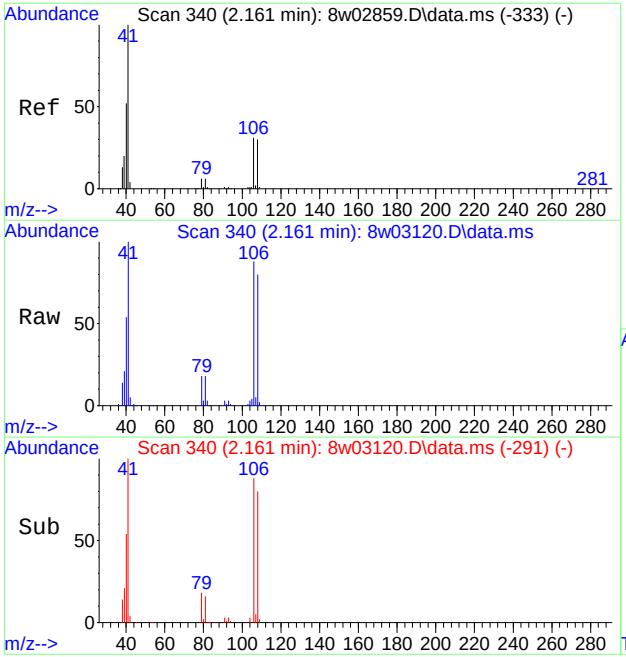


#16
DICHLOROFLUOROMETHANE
Concen: 10.00 PPBV
RT: 2.088 min Scan# 328
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 67 Resp: 201782

Ion	Ratio	Lower	Upper
67	100		
69	32.1	25.7	38.5
47	10.9	8.7	13.1

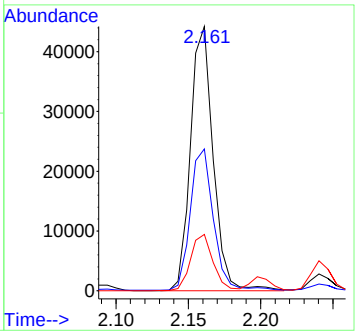


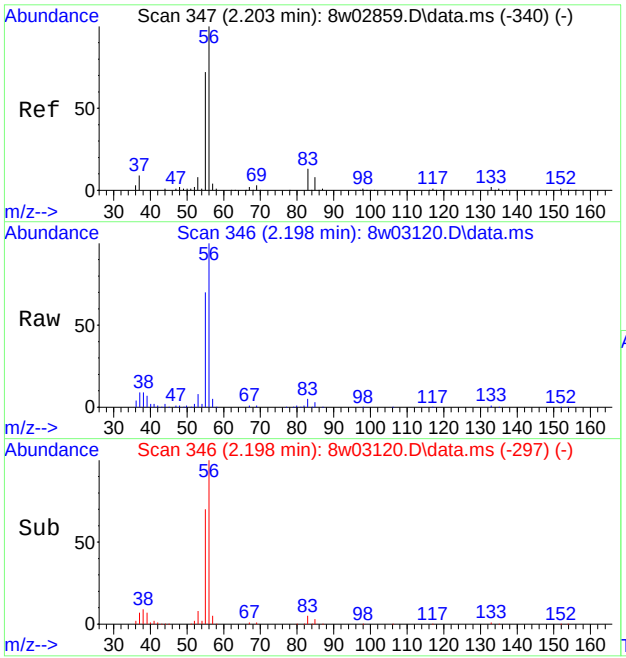


#17
ACETONITRILE
Concen: 10.00 PPBV
RT: 2.161 min Scan# 340
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 41 Resp: 48418

Ion	Ratio	Lower	Upper
41	100		
40	54.1	43.3	64.9
39	22.2	17.8	26.6

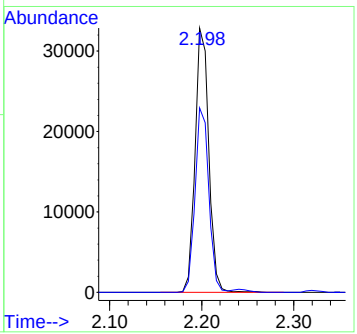


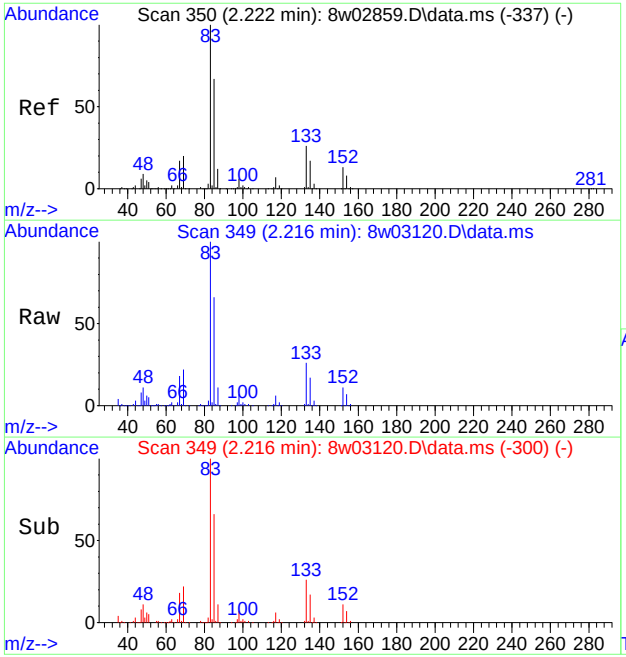


#18
ACROLEIN
Concen: 10.00 PPBV
RT: 2.198 min Scan# 346
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 56 Resp: 34039

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

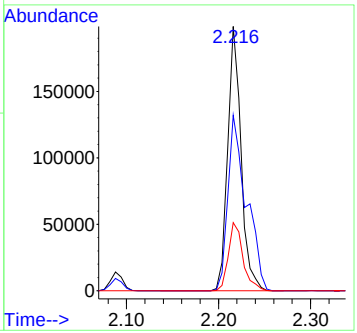


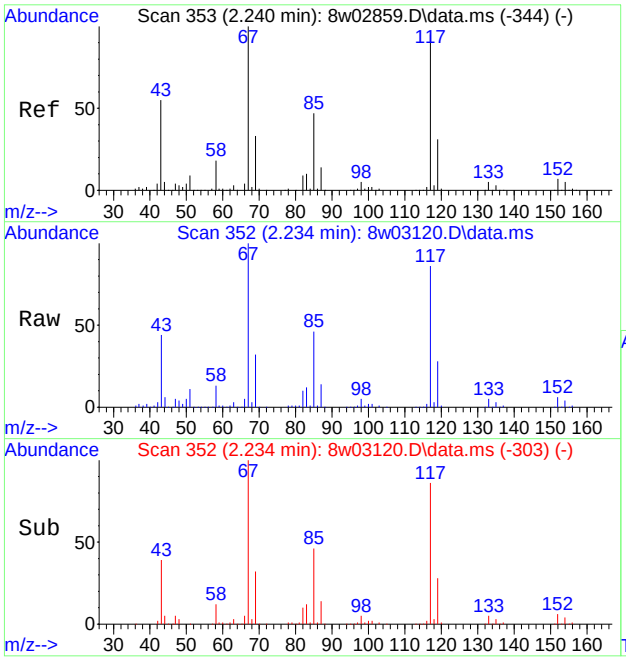


#19
FREON 123
Concen: 10.00 PPBV
RT: 2.216 min Scan# 349
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 83 Resp: 201061

Ion	Ratio	Lower	Upper
83	100		
85	92.1	73.7	110.5
133	28.3	22.6	34.0

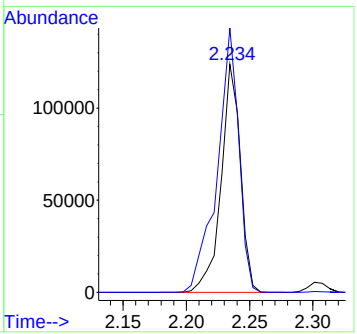


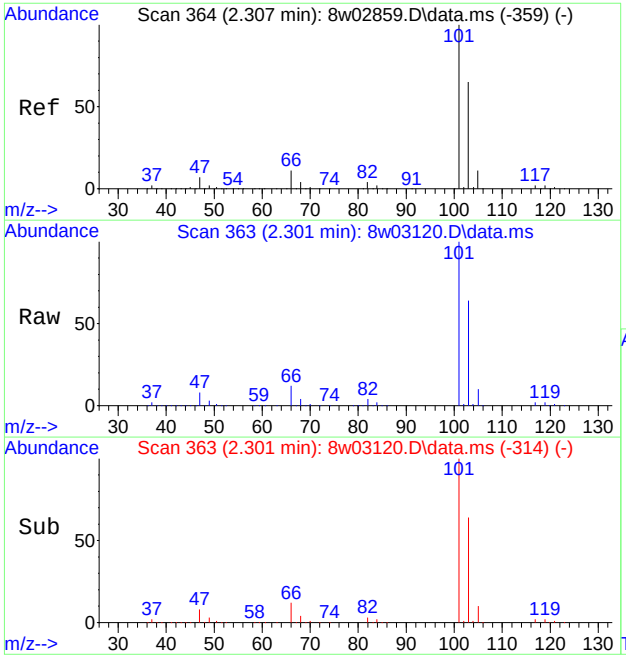


#20
FREON 123A
Concen: 10.00 PPBV
RT: 2.234 min Scan# 352
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:117 Resp: 131110

Ion	Ratio	Lower	Upper
117	100		
67	129.6	103.7	155.5

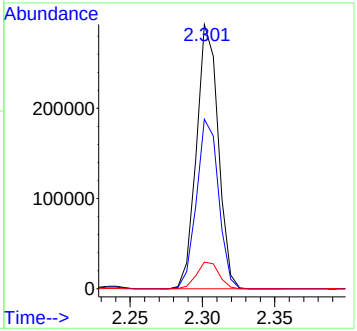


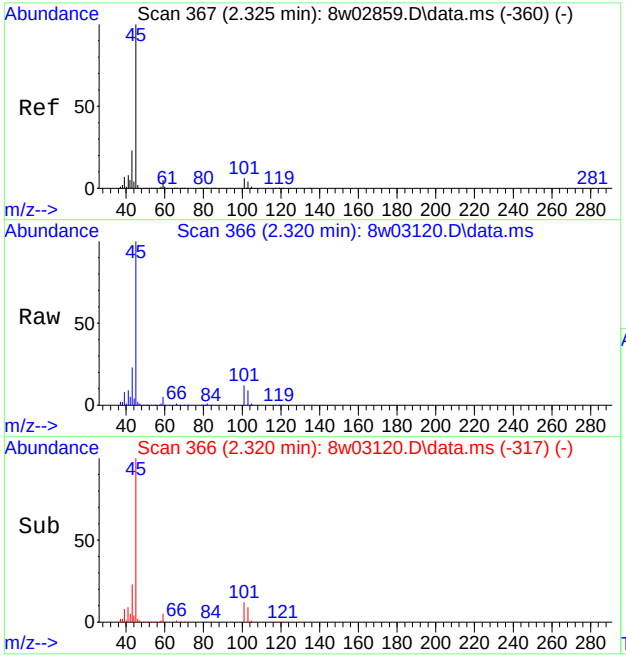


#21
TRICHLOROFLUOROMETHANE
Concen: 10.00 PPBV
RT: 2.301 min Scan# 363
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:101 Resp: 307111

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.0	78.0
105	10.4	8.3	12.5

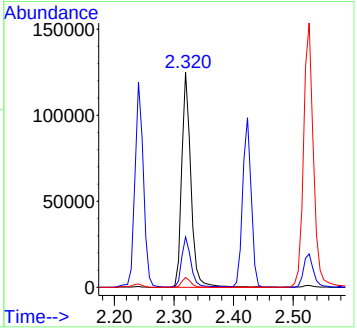


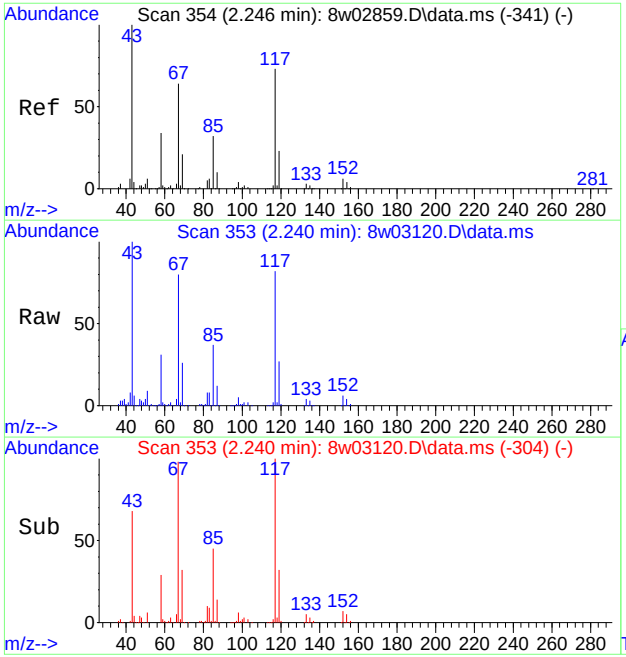


#22
ISOPROPYL ALCOHOL
Concen: 10.00 PPBV
RT: 2.320 min Scan# 366
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 45 Resp: 134777

Ion	Ratio	Lower	Upper
45	100		
43	23.5	18.8	28.2
59	4.7	3.8	5.6

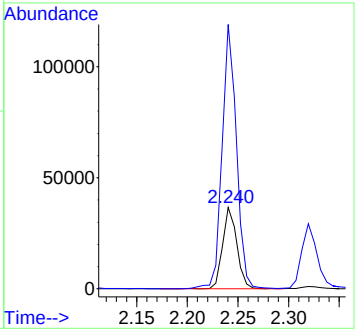


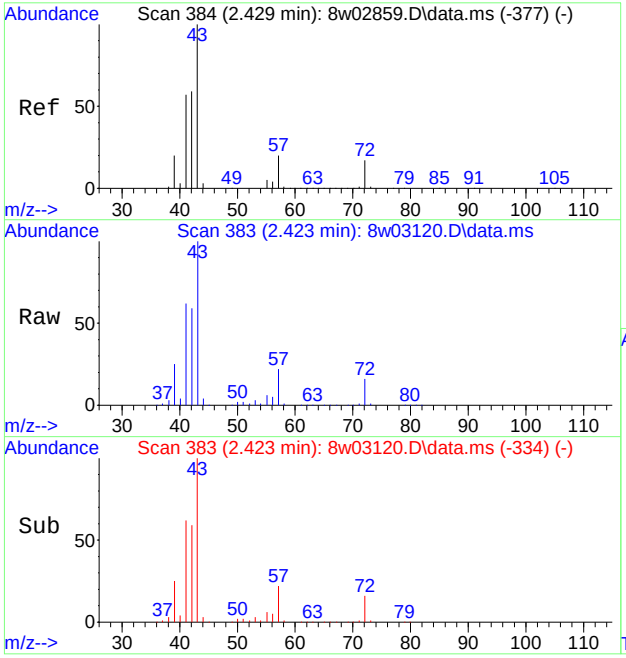


#23
ACETONE
Concen: 10.00 PPBV
RT: 2.240 min Scan# 353
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 58 Resp: 35987

Ion	Ratio	Lower	Upper
58	100		
43	326.8	261.4	392.2

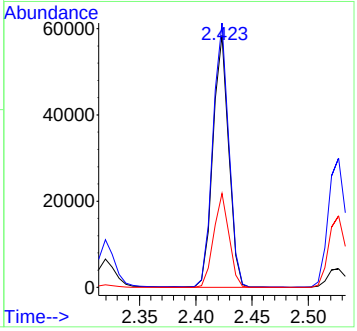


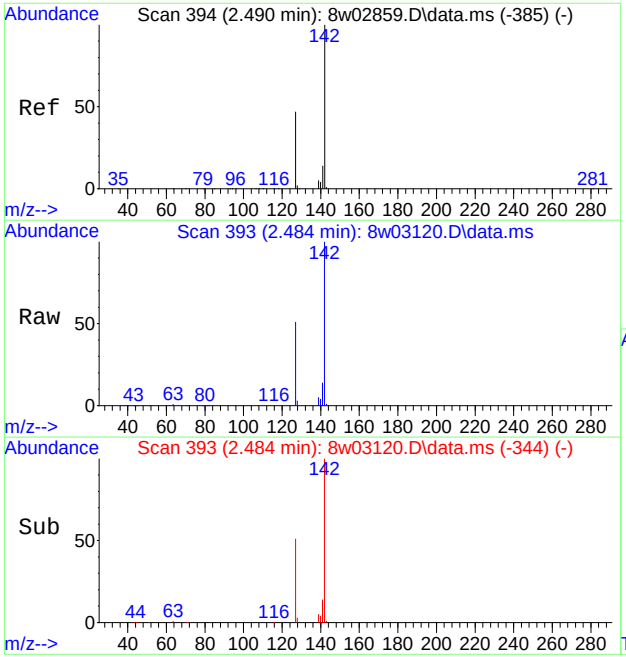


#24
PENTANE
Concen: 10.00 PPBV
RT: 2.423 min Scan# 383
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 42 Resp: 57733

Ion	Ratio	Lower	Upper
42	100		
41	105.3	84.2	126.4
57	36.1	28.9	43.3

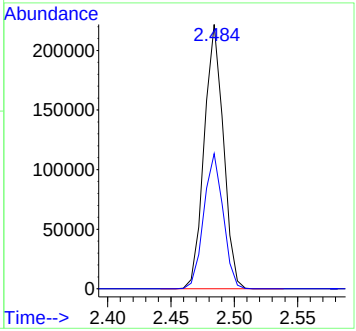


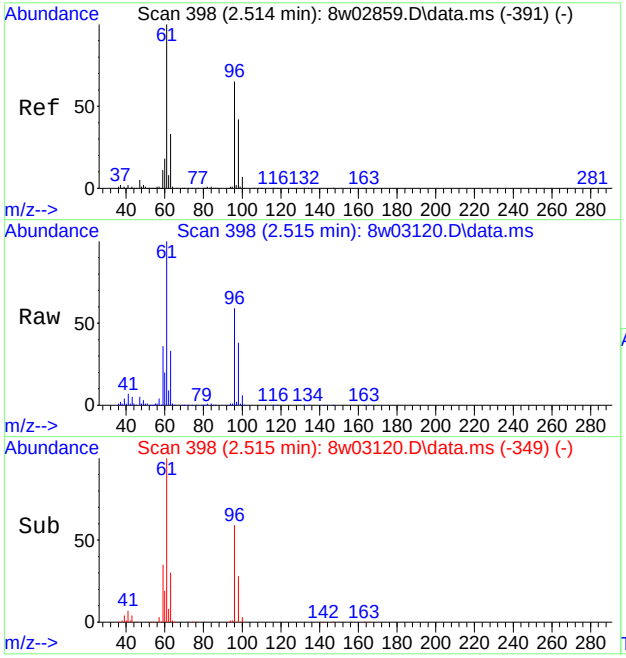


#25
IODOMETHANE
Concen: 10.00 PPBV
RT: 2.484 min Scan# 393
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:142 Resp: 233140

Ion	Ratio	Lower	Upper
142	100		
127	51.5	41.2	61.8

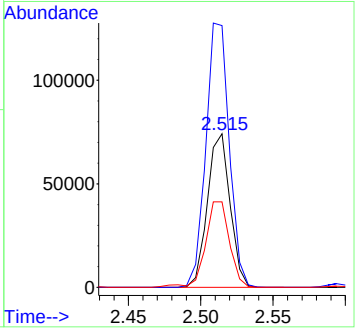


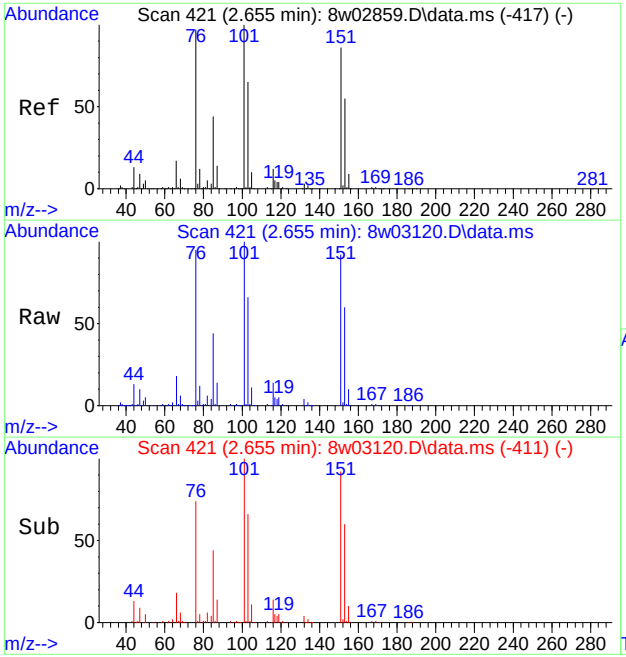


#26
1,1-DICHLOROETHYLENE
Concen: 10.00 PPBV
RT: 2.515 min Scan# 398
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 96 Resp: 81269

Ion	Ratio	Lower	Upper
96	100		
61	177.4	141.9	212.9
63	59.0	47.2	70.8

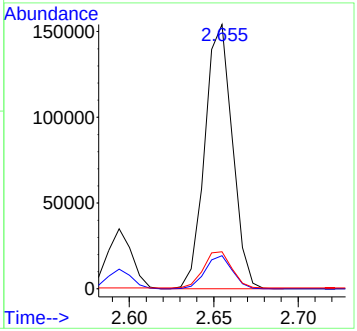


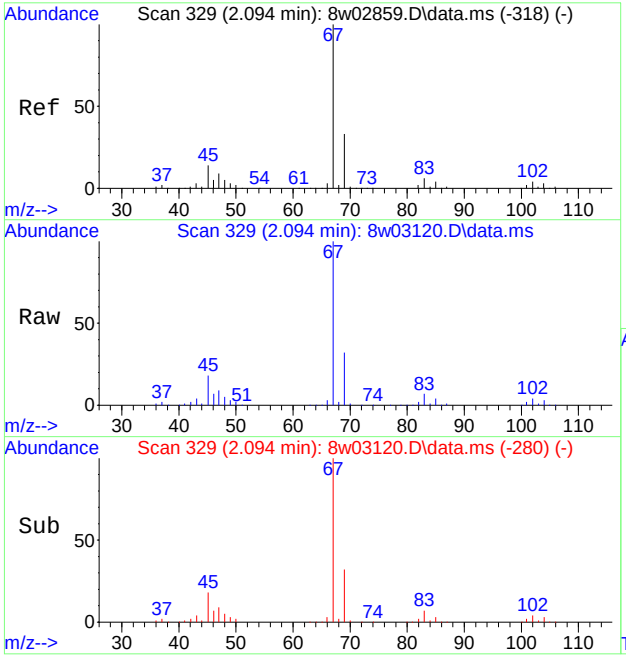


#27
CARBON DISULFIDE
Concen: 10.00 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 76 Resp: 175410

Ion	Ratio	Lower	Upper
76	100		
78	12.3	0.0	0.0#
44	14.1	0.0	0.0#

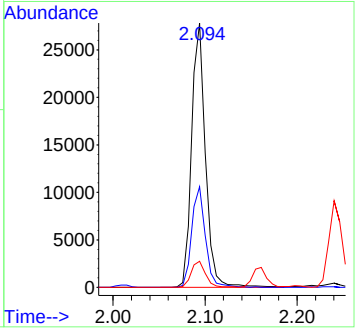


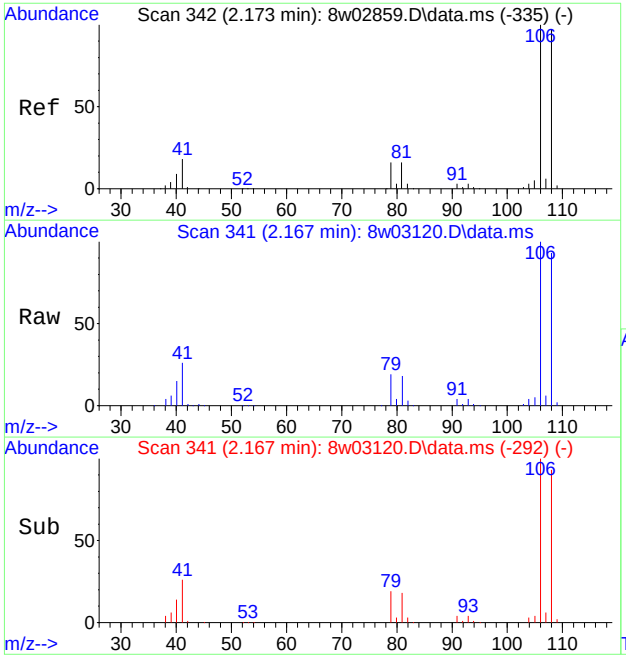


#28
ETHANOL
Concen: 10.00 PPBV
RT: 2.094 min Scan# 329
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 45 Resp: 29133

Ion	Ratio	Lower	Upper
45	100		
46	37.6	30.1	45.1
42	10.4	8.3	12.5

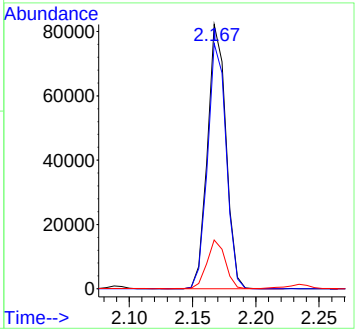


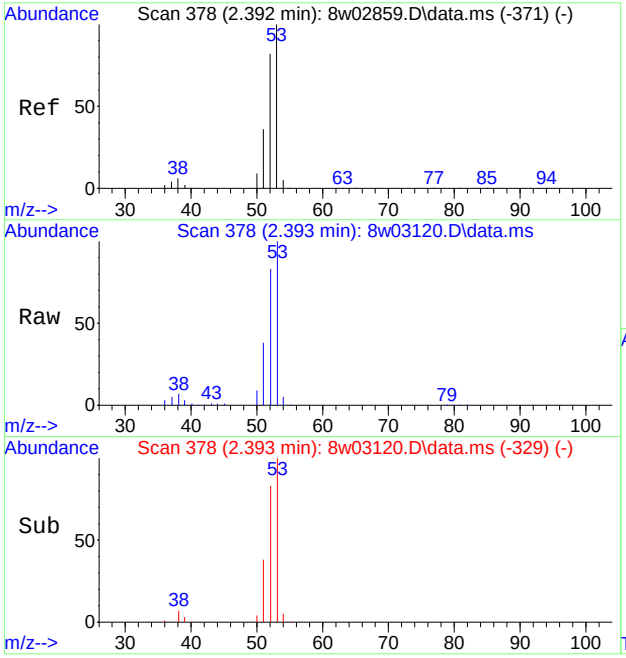


#29
BROMOETHENE
Concen: 10.00 PPBV
RT: 2.167 min Scan# 341
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:106 Resp: 83302

Ion	Ratio	Lower	Upper
106	100		
108	93.2	74.6	111.8
81	18.1	14.5	21.7

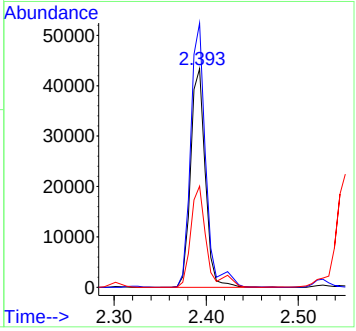


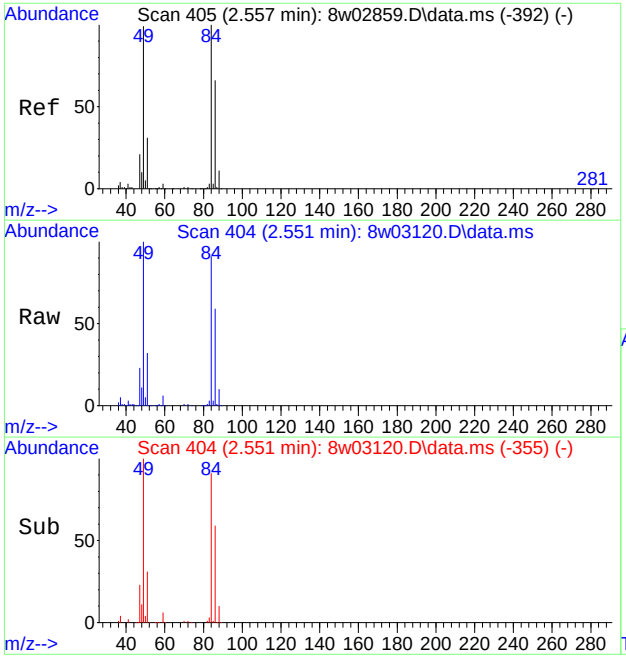


#30
ACRYLONITRILE
Concen: 10.00 PPBV
RT: 2.393 min Scan# 378
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 52 Resp: 48163

Ion	Ratio	Lower	Upper
52	100		
53	124.5	99.6	149.4
51	50.1	40.1	60.1

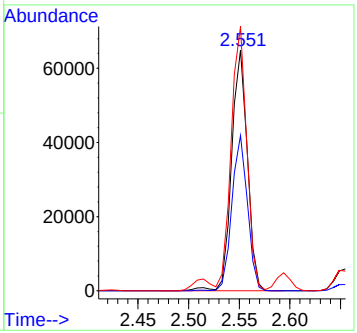


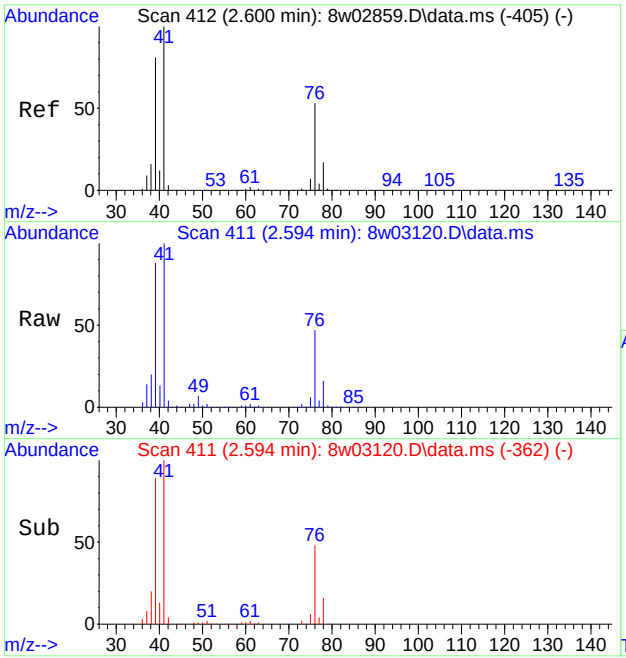


#31
METHYLENE CHLORIDE
Concen: 10.00 PPBV
RT: 2.551 min Scan# 404
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 84 Resp: 70532

Ion	Ratio	Lower	Upper
84	100		
86	63.7	51.0	76.4
49	115.1	92.1	138.1

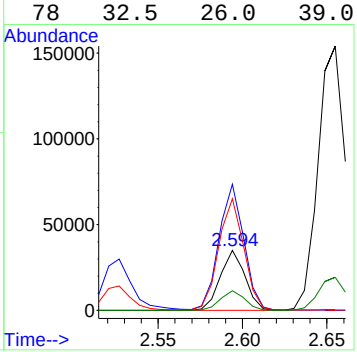


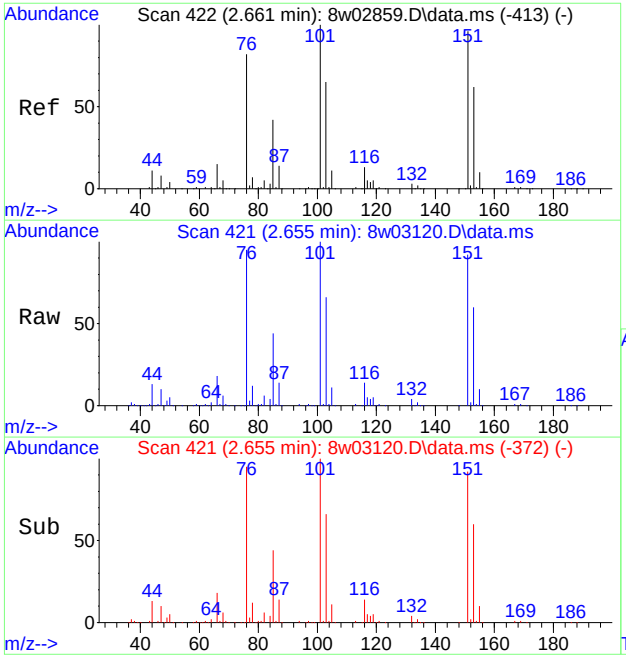


#32
3-CHLOROPROPENE
Concen: 10.00 PPBV
RT: 2.594 min Scan# 411
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 76 Resp: 35744

Ion	Ratio	Lower	Upper
76	100		
41	213.3	170.6	256.0
39	188.7	151.0	226.4
78	32.5	26.0	39.0

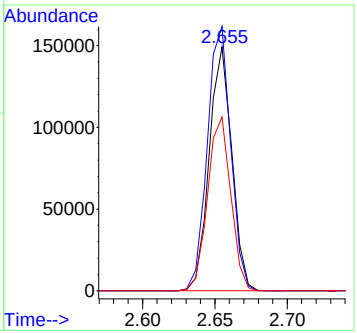


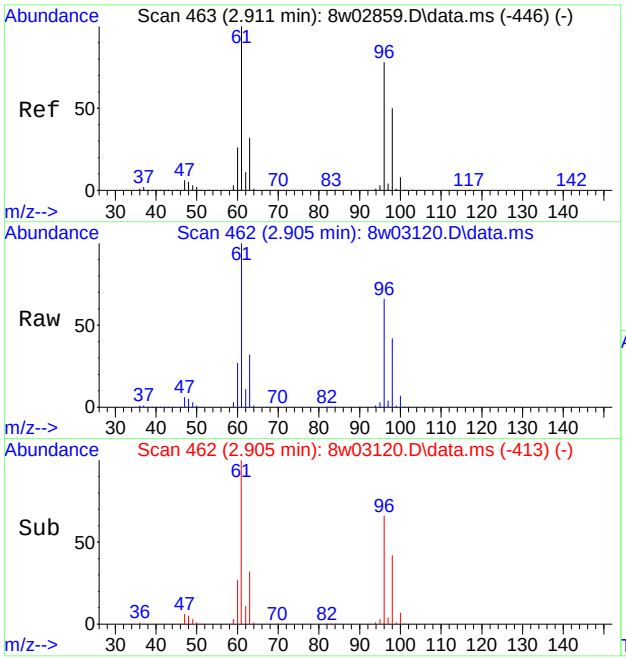


#33
FREON 113
Concen: 10.00 PPBV
RT: 2.655 min Scan# 421
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:151 Resp: 162911

Ion	Ratio	Lower	Upper
151	100		
101	112.0	89.6	134.4
103	73.0	58.4	87.6

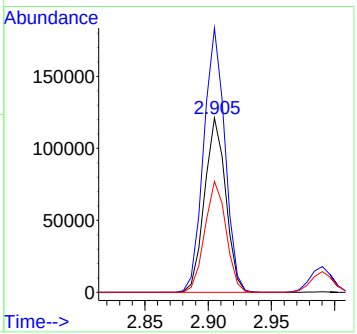


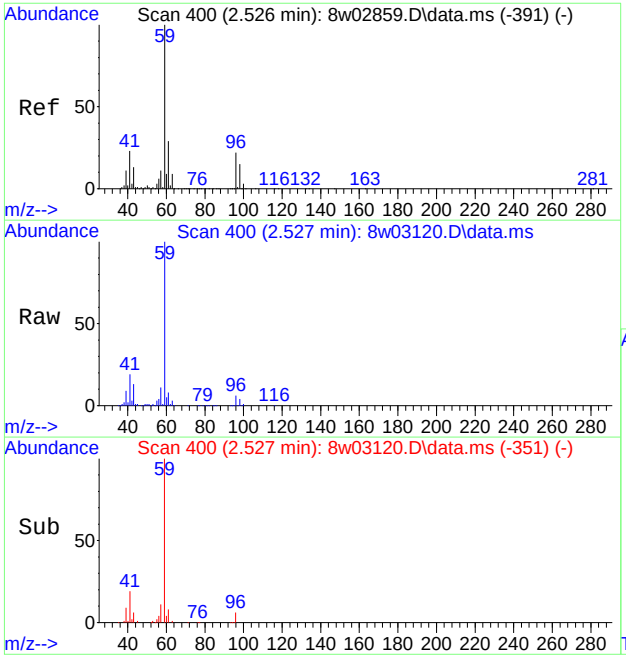


#34
TRANS-1,2-DICHLOROETHENE
Concen: 10.00 PPBV
RT: 2.905 min Scan# 462
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 96 Resp: 141095

Ion	Ratio	Lower	Upper
96	100		
61	151.0	120.8	181.2
98	63.7	51.0	76.4

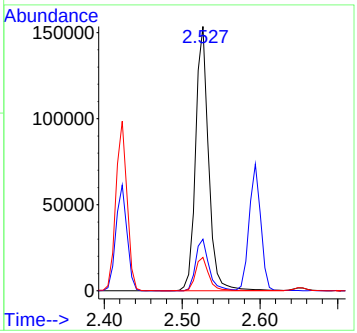


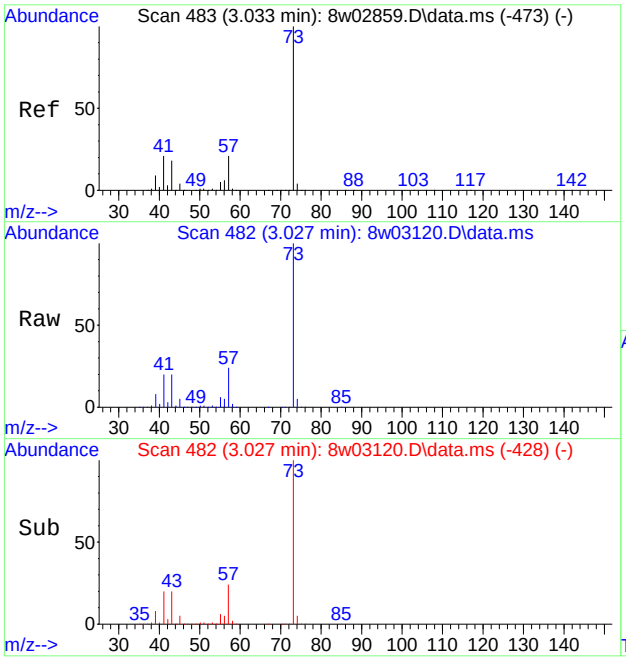


#35
TERTIARY BUTYL ALCOHOL
Concen: 10.00 PPBV
RT: 2.527 min Scan# 400
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 59 Resp: 177483

Ion	Ratio	Lower	Upper
59	100		
41	20.1	16.1	24.1
43	12.8	10.2	15.4

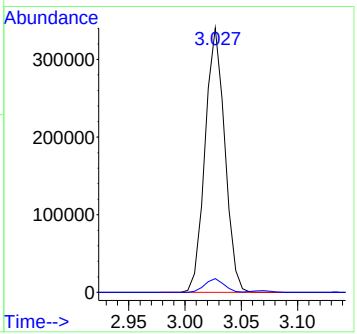


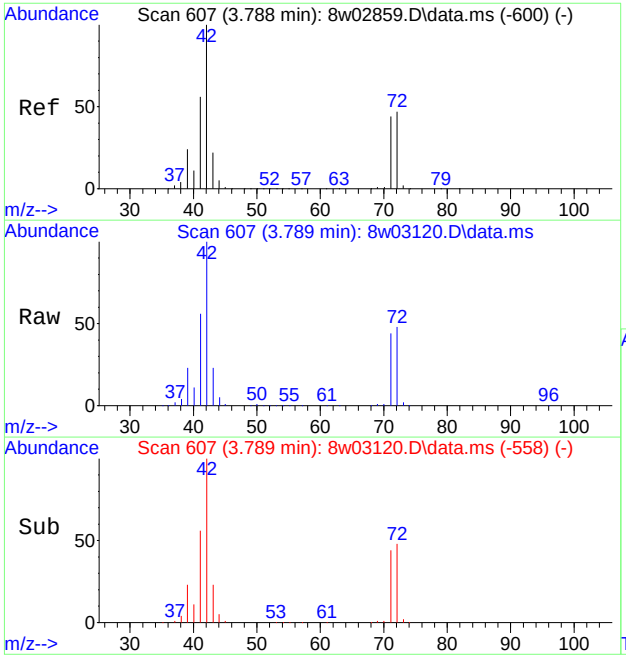


#36
METHYL TERTIARY BUTYL ETHER
Concen: 10.00 PPBV
RT: 3.027 min Scan# 482
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 73 Resp: 414059

Ion	Ratio	Lower	Upper
73	100		
45	5.9	4.7	7.1

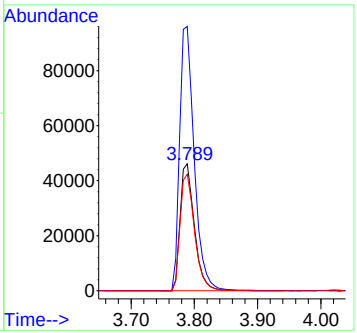


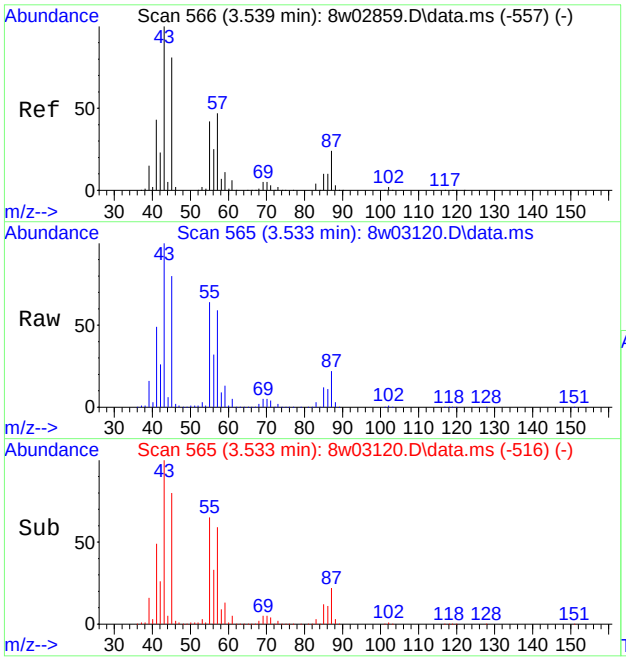


#37
TETRAHYDROFURAN
Concen: 10.00 PPBV
RT: 3.789 min Scan# 607
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 72 Resp: 72500

Ion	Ratio	Lower	Upper
72	100		
42	213.5	170.8	256.2
71	92.9	74.3	111.5

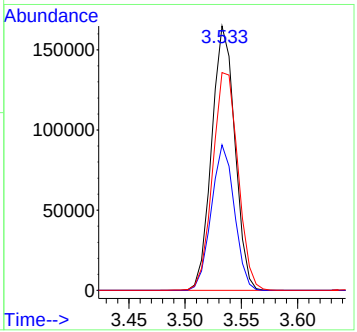


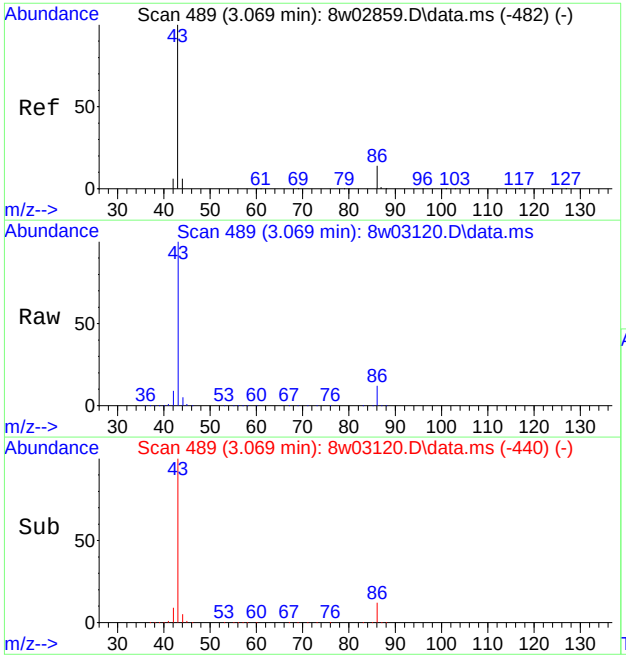


#38
HEXANE
Concen: 10.00 PPBV
RT: 3.533 min Scan# 565
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 57 Resp: 236536

Ion	Ratio	Lower	Upper
57	100		
56	54.8	43.8	65.8
41	90.3	72.2	108.4

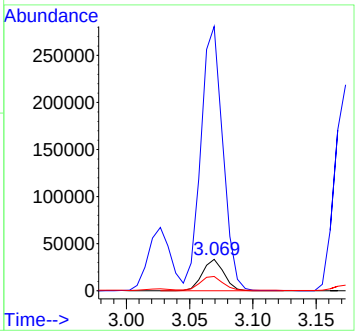


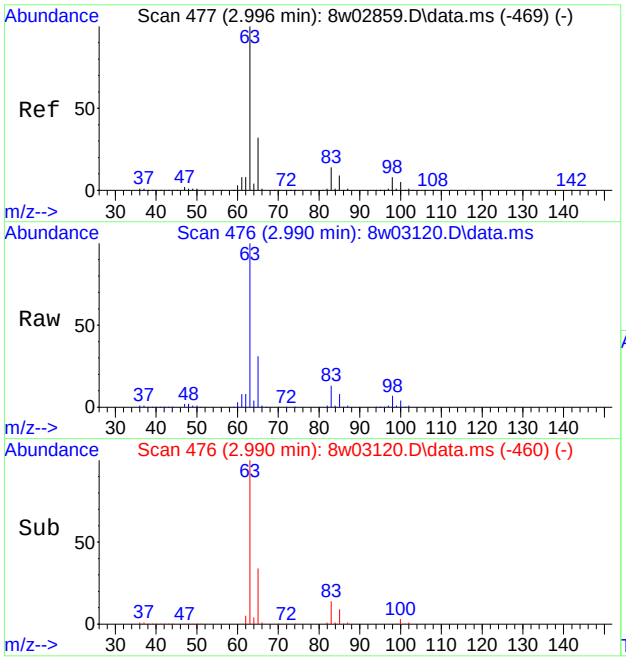


#39
VINYL ACETATE
Concen: 10.00 PPBV
RT: 3.069 min Scan# 489
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 86 Resp: 39417

Ion	Ratio	Lower	Upper
86	100		
43	1075.4	860.3	1290.5
44	55.2	44.2	66.2

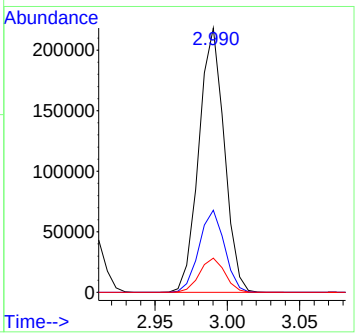


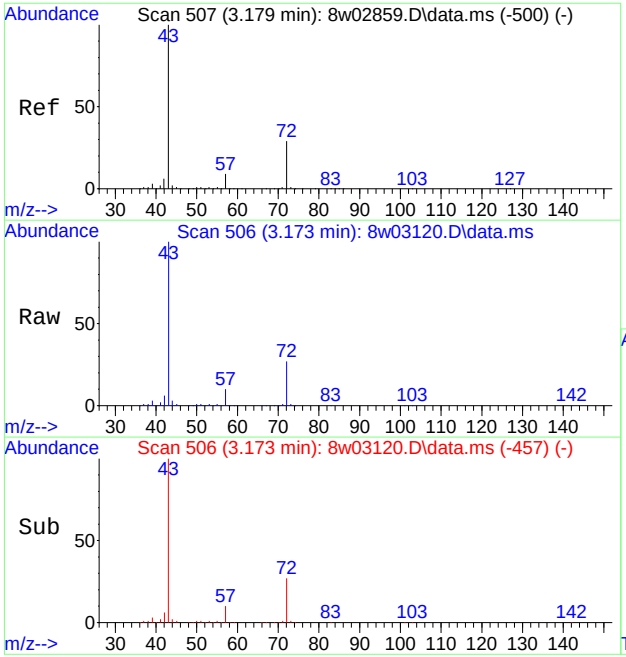


#40
1,1-DICHLOROETHANE
Concen: 10.00 PPBV
RT: 2.990 min Scan# 476
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 63 Resp: 266859

Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.4
83	13.1	10.5	15.7

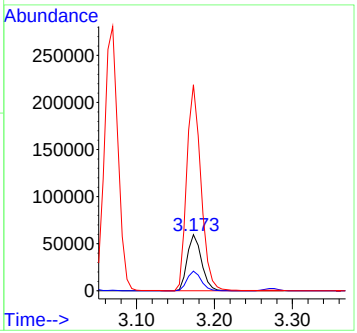


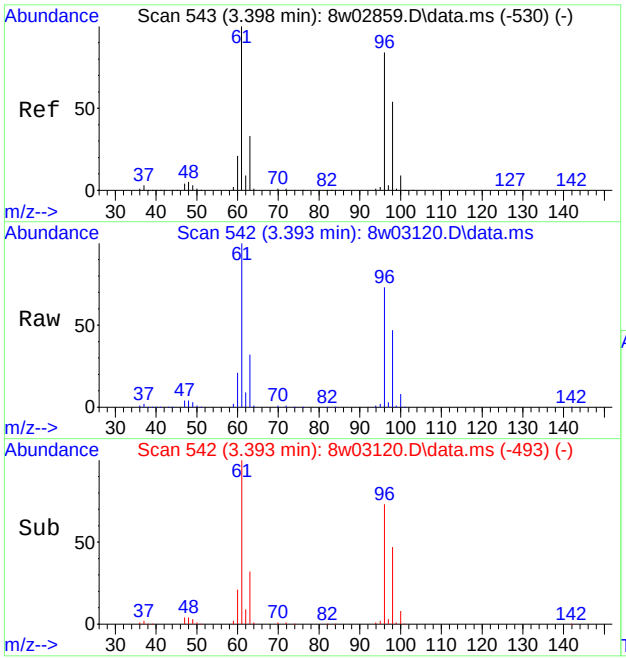


#41
METHYL ETHYL KETONE
Concen: 10.00 PPBV
RT: 3.173 min Scan# 506
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 72 Resp: 75934

Ion	Ratio	Lower	Upper
72	100		
57	34.8	27.8	41.8
43	365.4	292.3	438.5

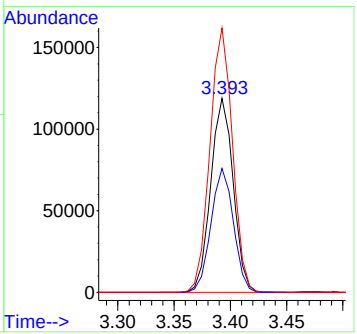


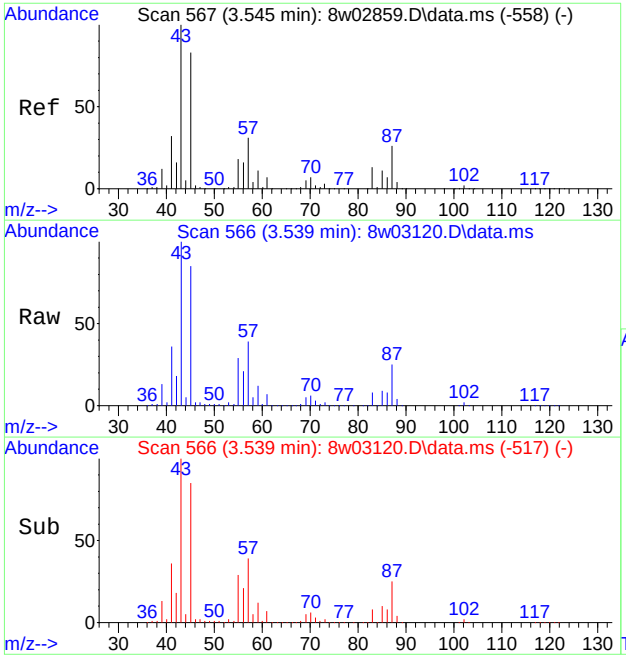


#42
CIS-1,2-DICHLOROETHENE
Concen: 10.00 PPBV
RT: 3.393 min Scan# 542
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 96 Resp: 165912

Ion	Ratio	Lower	Upper
96	100		
98	63.6	50.9	76.3
61	136.4	109.1	163.7

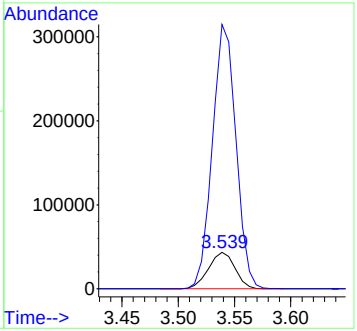


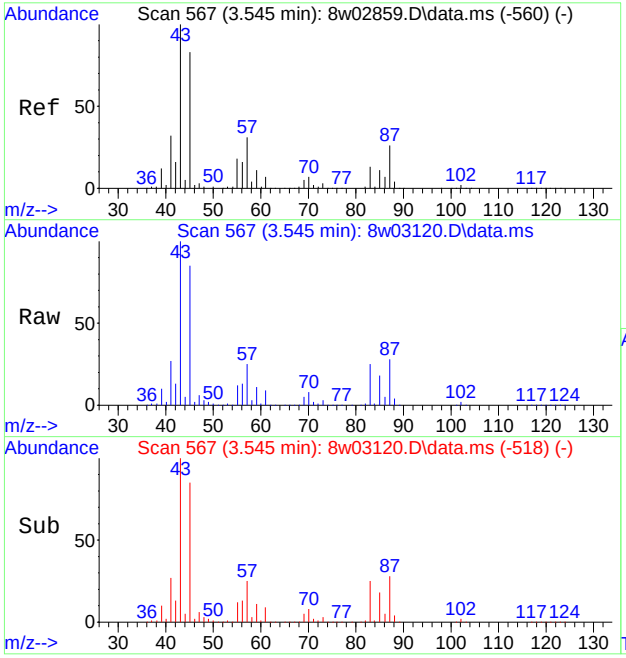


#43
DIISOPROPYL ETHER
Concen: 10.00 PPBV
RT: 3.539 min Scan# 566
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 59 Resp: 71353

Ion	Ratio	Lower	Upper
59	100		
45	647.4	517.9	776.9

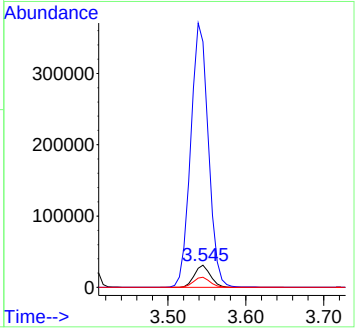




#44
ETHYL ACETATE
Concen: 10.00 PPBV
RT: 3.545 min Scan# 567
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

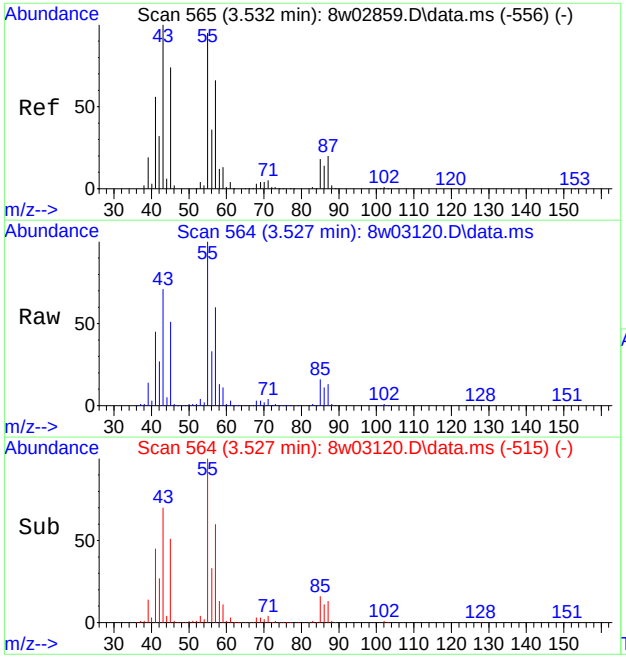
Tgt Ion: 61 Resp: 44878

Ion	Ratio	Lower	Upper
61	100		
43	1299.8	1039.8	1559.8
88	47.3	37.8	56.8



7.7.18

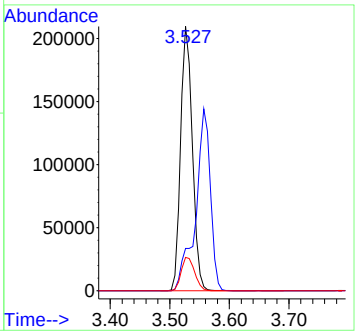
7

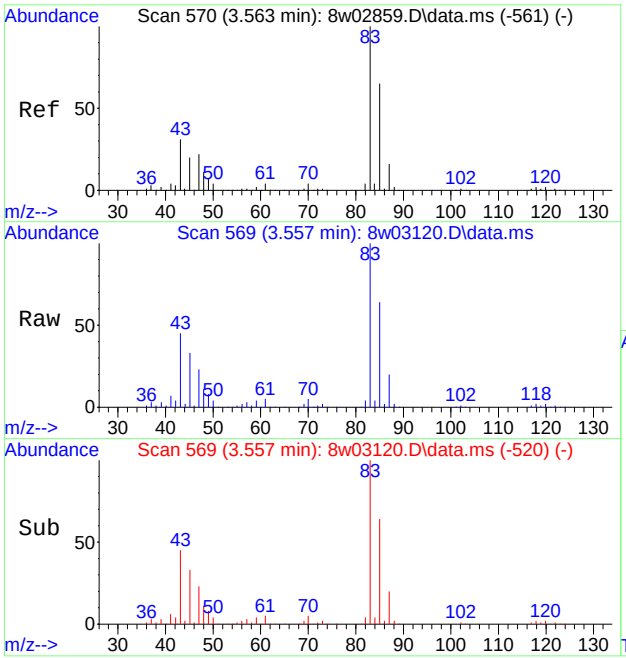


#45
METHYL ACRYLATE
Concen: 10.00 PPBV
RT: 3.527 min Scan# 564
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 55 Resp: 290068

Ion	Ratio	Lower	Upper
55	100		
85	0.0	0.0	0.0
58	14.4	11.5	17.3

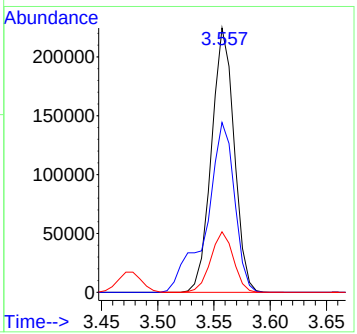


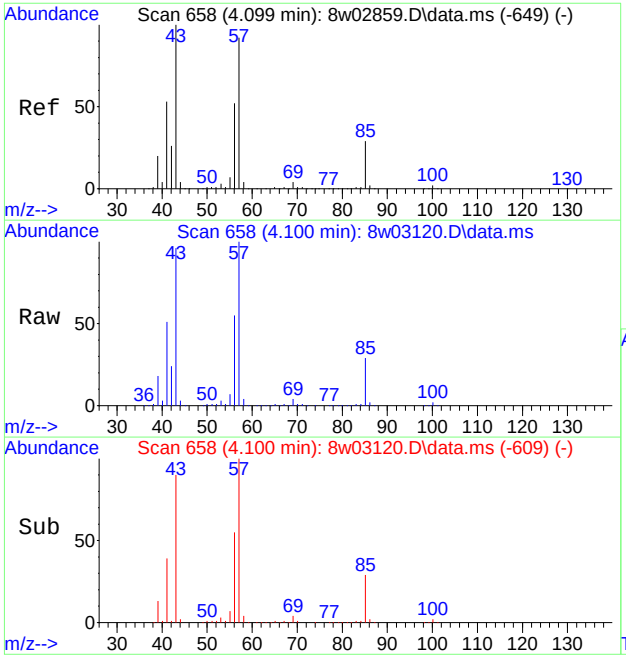


#46
CHLOROFORM
Concen: 10.00 PPBV
RT: 3.557 min Scan# 569
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 83 Resp: 315027

Ion	Ratio	Lower	Upper
83	100		
85	79.3	63.4	95.2
47	23.1	18.5	27.7

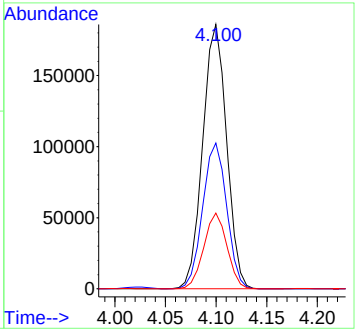


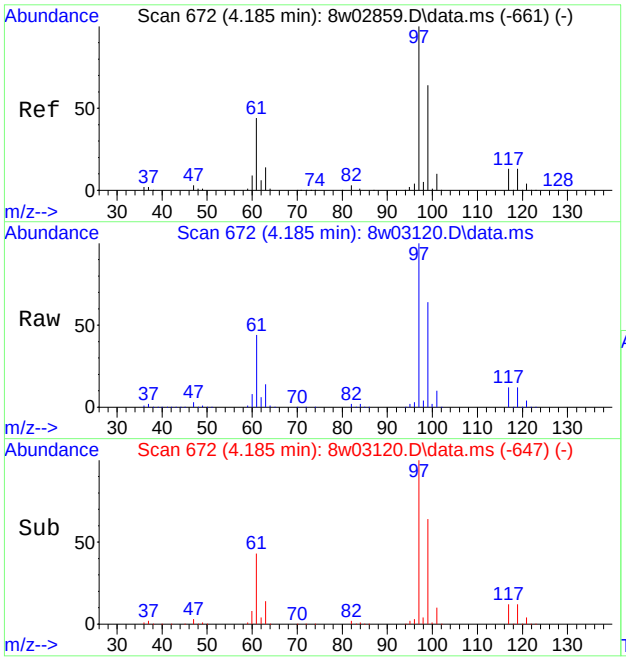


#47
2,4-DIMETHYLPENTANE
Concen: 10.00 PPBV
RT: 4.100 min Scan# 658
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 57 Resp: 305751

Ion	Ratio	Lower	Upper
57	100		
56	55.3	44.2	66.4
85	27.9	22.3	33.5

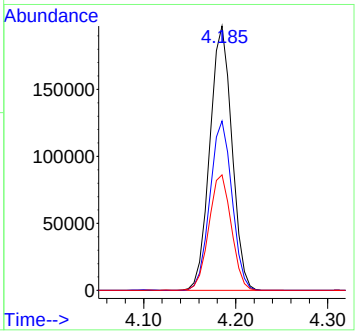


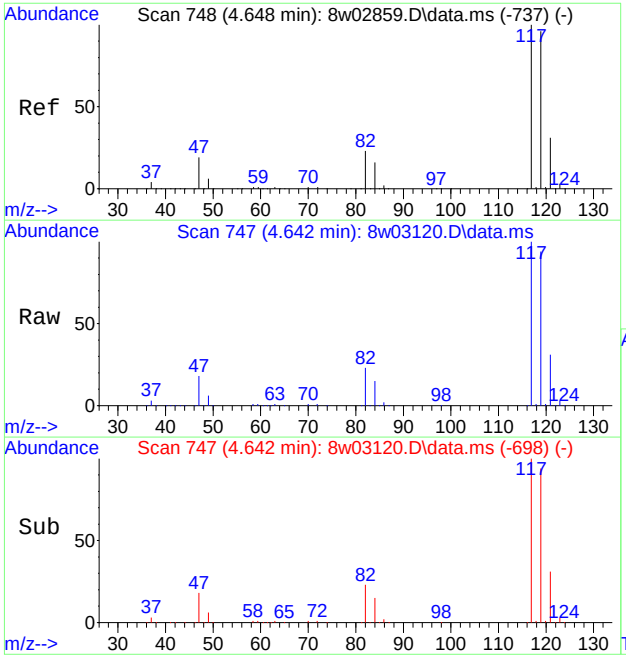


#48
1,1,1-TRICHLOROETHANE
Concen: 10.00 PPBV
RT: 4.185 min Scan# 672
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 97 Resp: 329079

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	44.7	35.8	53.6

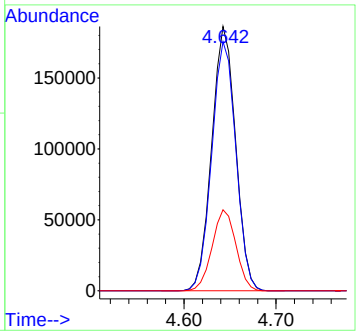


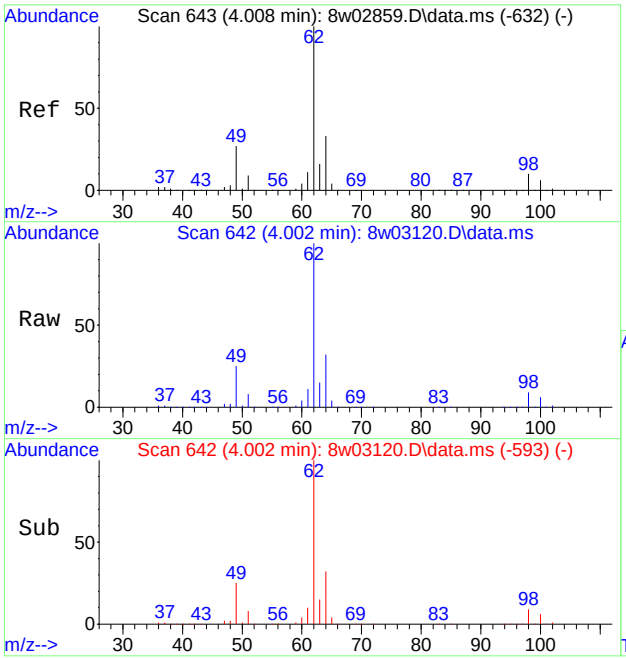


#49
CARBON TETRACHLORIDE
Concen: 10.00 PPBV
RT: 4.642 min Scan# 747
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:117 Resp: 336019

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
121	30.5	24.4	36.6

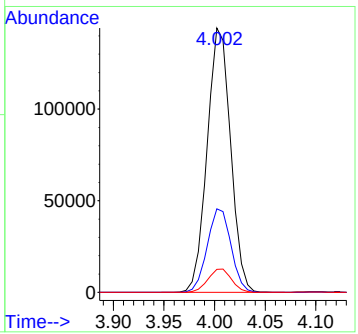


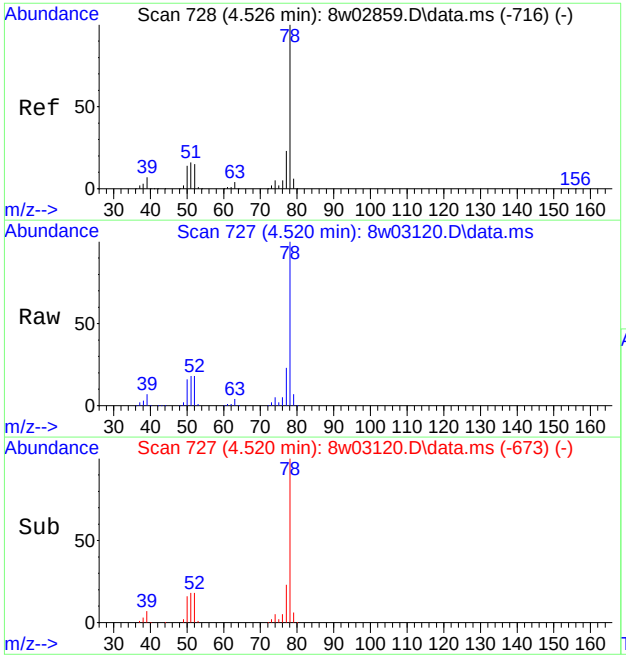


#50
1,2-DICHLOROETHANE
Concen: 10.00 PPBV
RT: 4.002 min Scan# 642
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 62 Resp: 232829

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.6	38.4
98	8.9	7.1	10.7

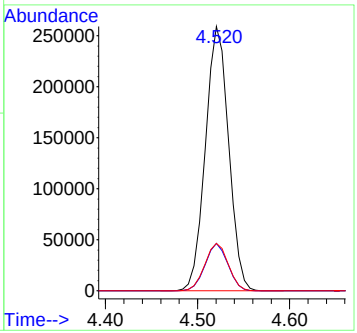


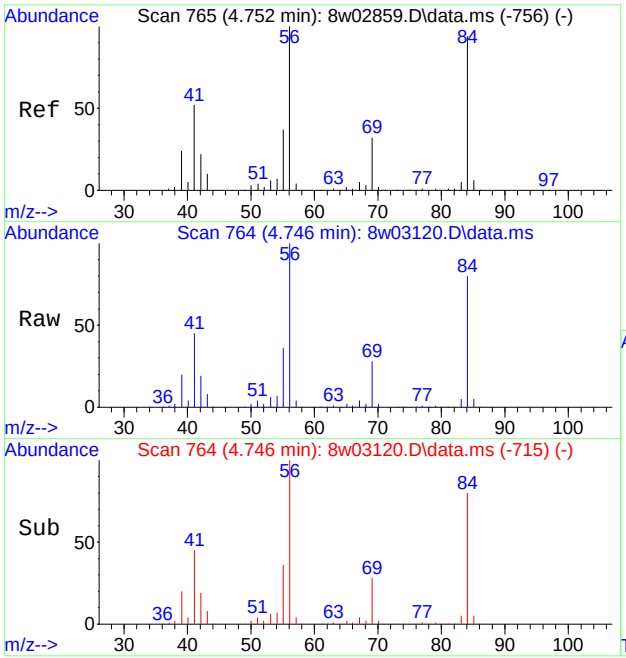


#51
BENZENE
Concen: 10.00 PPBV
RT: 4.520 min Scan# 727
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 78 Resp: 454824

Ion	Ratio	Lower	Upper
78	100		
52	17.6	0.0	37.6
51	18.0	0.0	38.0

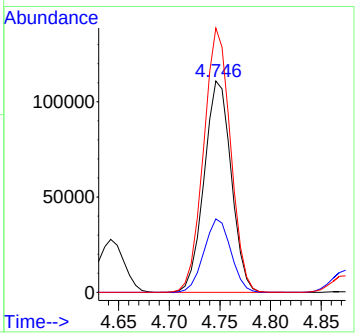


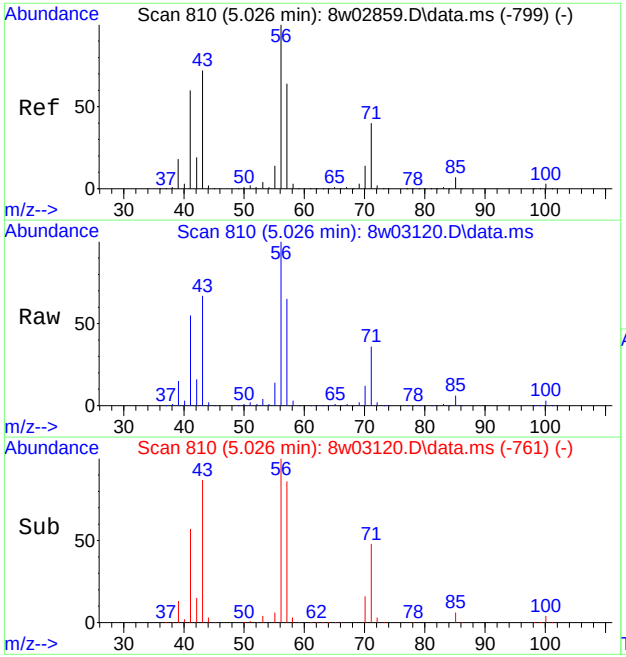


#53
CYCLOHEXANE
Concen: 10.00 PPBV
RT: 4.746 min Scan# 764
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 84 Resp: 206713

Ion	Ratio	Lower	Upper
84	100		
69	34.6	27.7	41.5
56	123.9	99.1	148.7

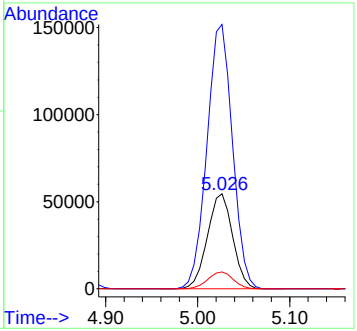


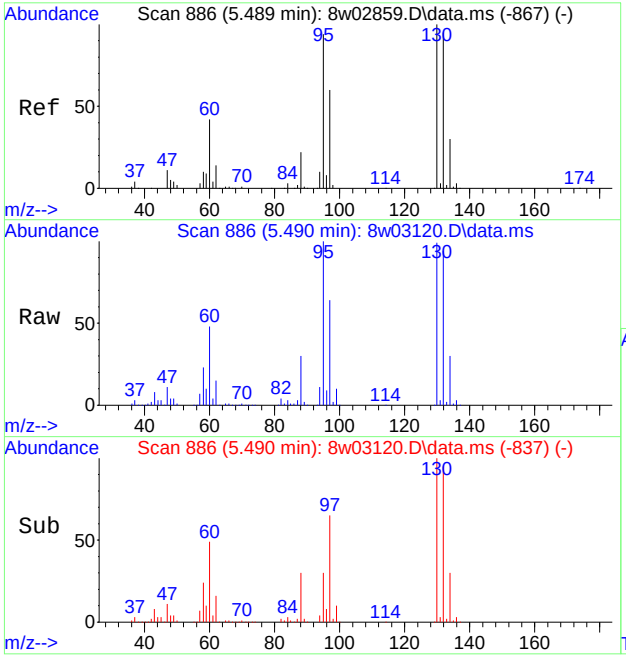


#54
2,3-DIMETHYLPENTANE
Concen: 10.00 PPBV
RT: 5.026 min Scan# 810
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 71 Resp: 104033

Ion	Ratio	Lower	Upper
71	100		
56	281.1	224.9	337.3
85	17.9	14.3	21.5

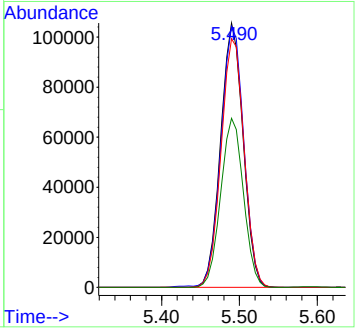


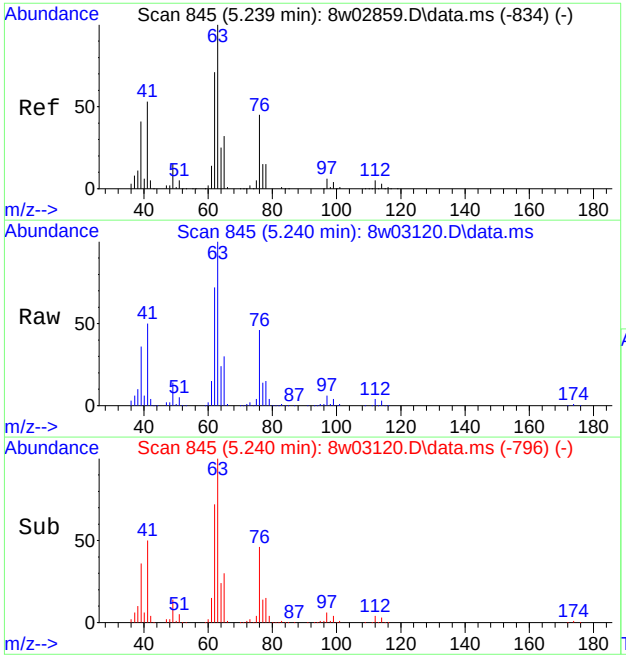


#55
TRICHLOROETHENE
Concen: 10.00 PPBV
RT: 5.490 min Scan# 886
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 95 Resp: 211240

Ion	Ratio	Lower	Upper
95	100		
130	100.7	80.6	120.8
132	96.2	77.0	115.4
97	64.5	51.6	77.4

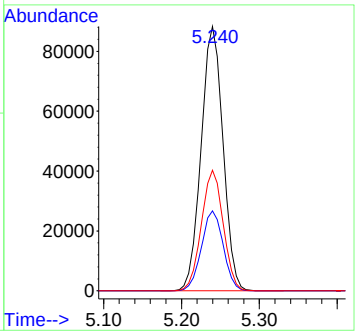


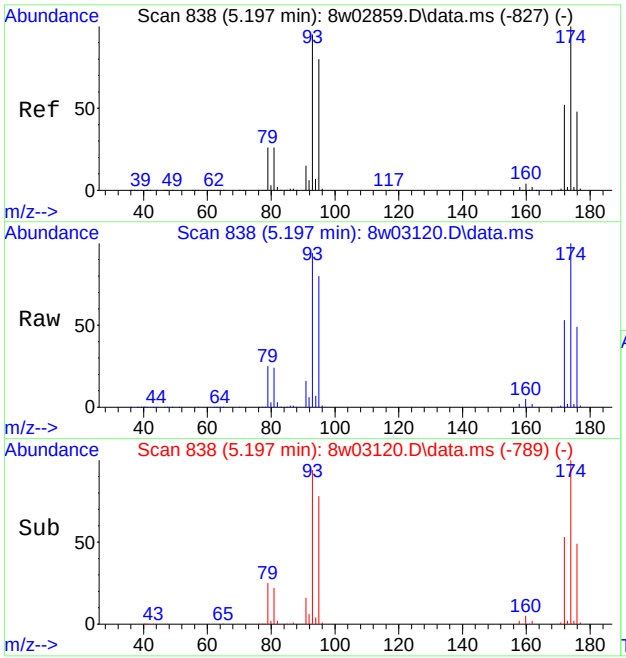


#56
1,2-DICHLOROPROPANE
Concen: 10.00 PPBV
RT: 5.240 min Scan# 845
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 63 Resp: 171573

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1
76	45.5	36.4	54.6

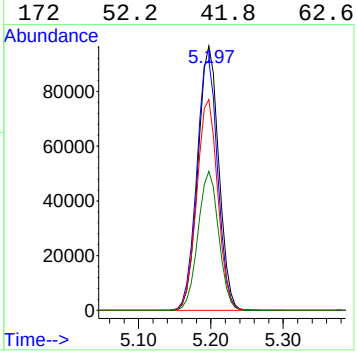


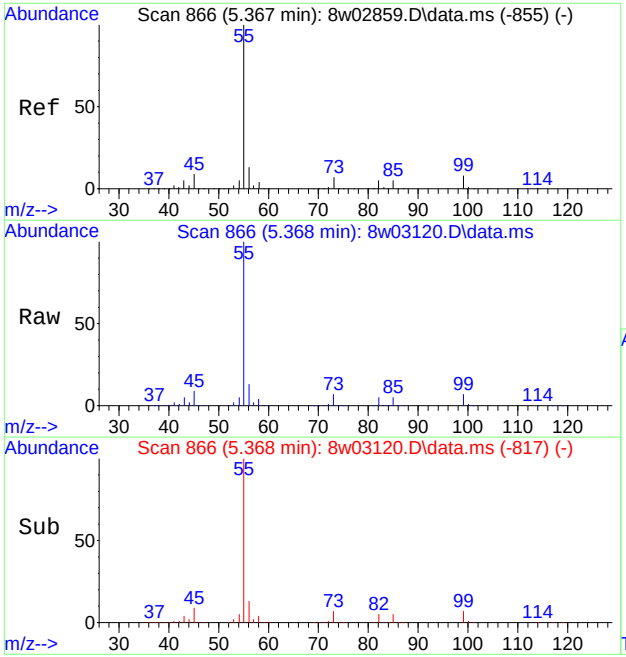


#57
DIBROMOMETHANE
Concen: 10.00 PPBV
RT: 5.197 min Scan# 838
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:174 Resp: 193002

Ion	Ratio	Lower	Upper
174	100		
93	96.3	77.0	115.6
95	80.3	64.2	96.4
172	52.2	41.8	62.6

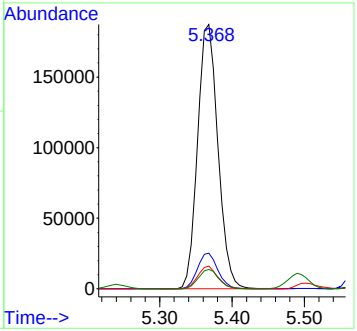


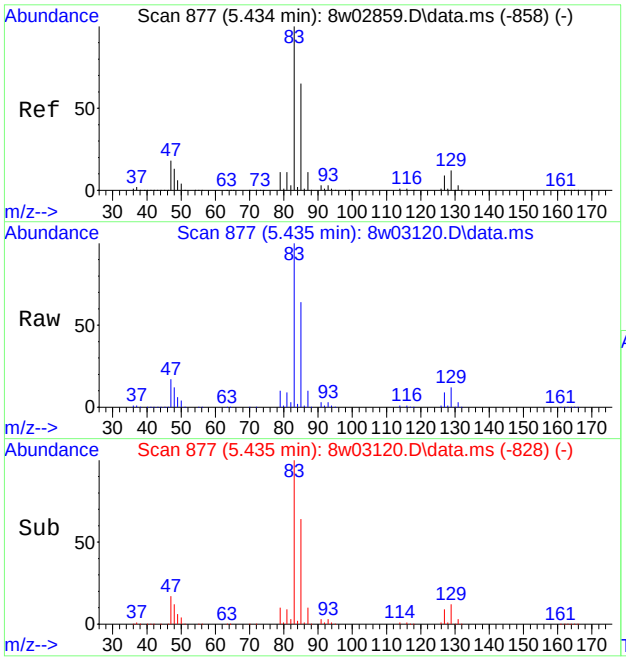


#58
ETHYL ACRYLATE
Concen: 10.00 PPBV
RT: 5.368 min Scan# 866
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 55 Resp: 366402

Ion	Ratio	Lower	Upper
55	100		
56	13.6	10.9	16.3
45	8.4	6.7	10.1
99	7.3	5.8	8.8

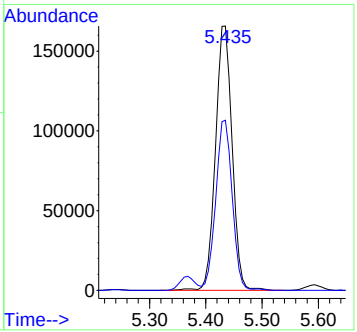


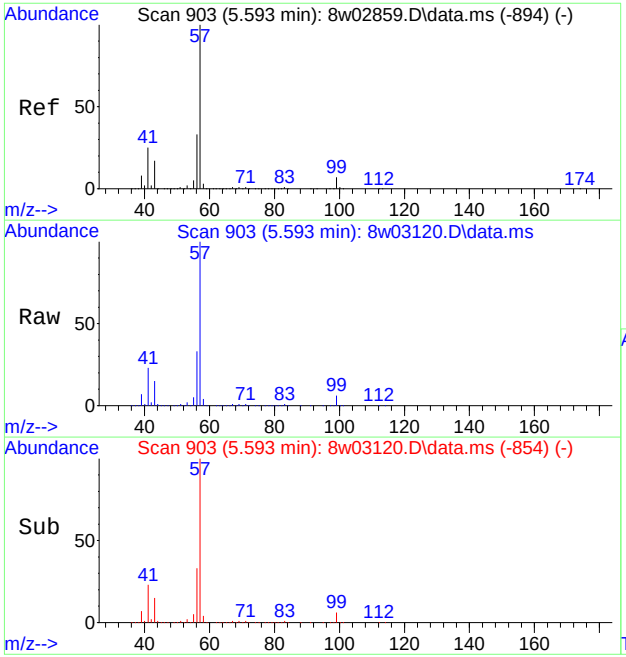


#59
BROMODICHLOROMETHANE
Concen: 10.00 PPBV
RT: 5.435 min Scan# 877
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 83 Resp: 340823

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6

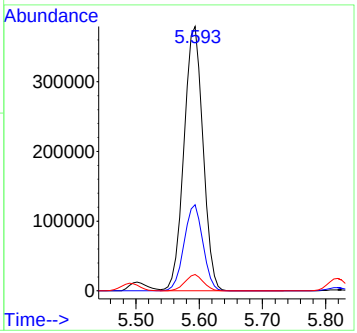


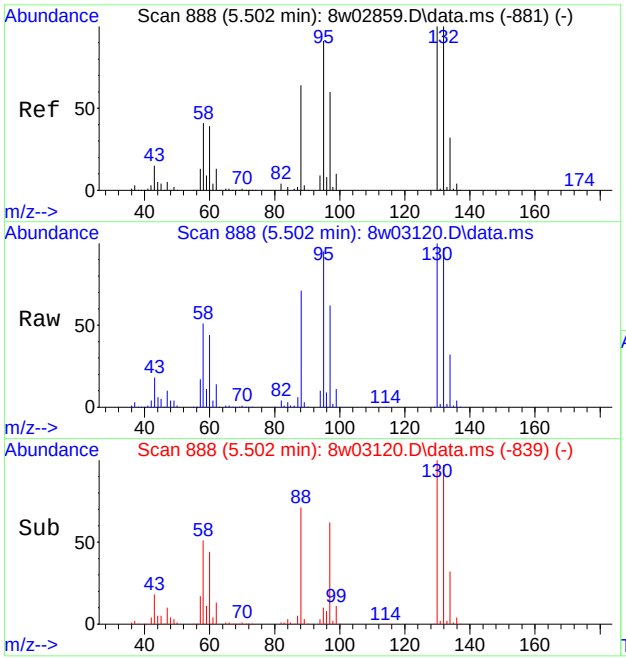


#60
2,2,4-TRIMETHYLPENTANE
Concen: 10.00 PPBV
RT: 5.593 min Scan# 903
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 57 Resp: 791853

Ion	Ratio	Lower	Upper
57	100		
56	32.3	25.8	38.8
99	5.9	4.7	7.1

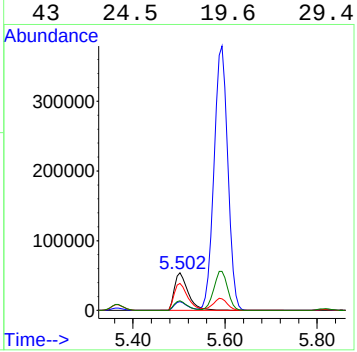


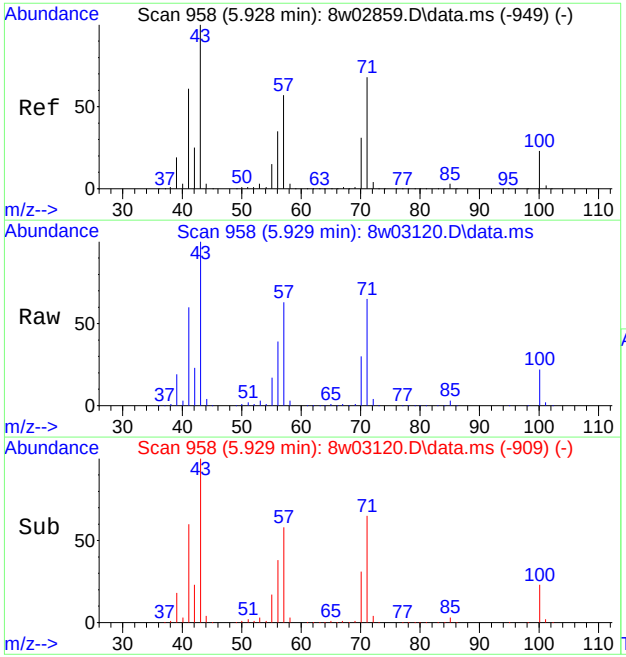


#61
1,4-DIOXANE
Concen: 10.00 PPBV
RT: 5.502 min Scan# 888
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 88 Resp: 111118

Ion	Ratio	Lower	Upper
88	100		
57	23.0	18.4	27.6
58	71.6	57.3	85.9
43	24.5	19.6	29.4

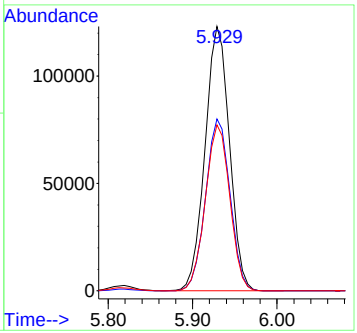


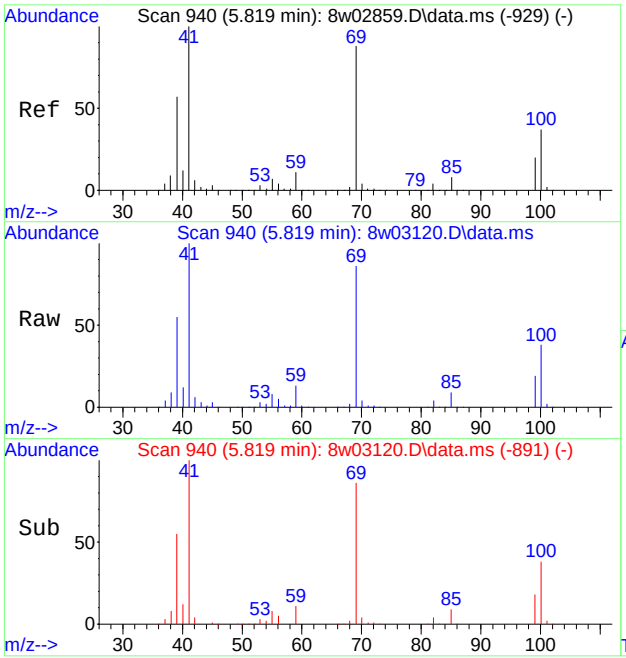


#62
HEPTANE
Concen: 10.00 PPBV
RT: 5.929 min Scan# 958
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 43 Resp: 247536

Ion	Ratio	Lower	Upper
43	100		
71	65.2	52.2	78.2
57	63.0	50.4	75.6

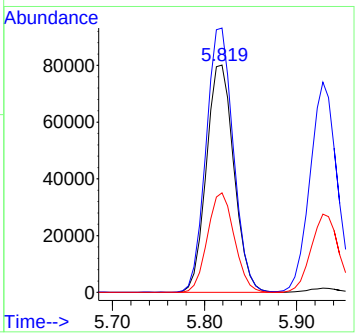


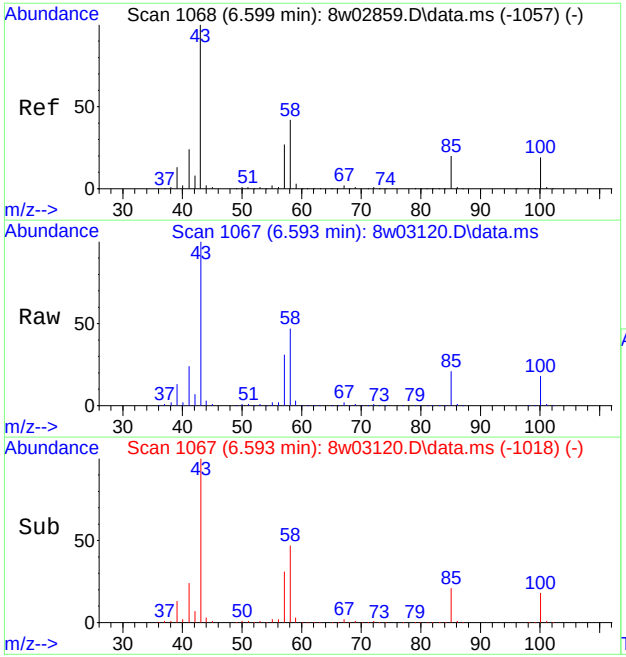


#63
METHYL METHACRYLATE
Concen: 10.00 PPBV
RT: 5.819 min Scan# 940
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 69 Resp: 167113

Ion	Ratio	Lower	Upper
69	100		
41	114.9	91.9	137.9
100	42.8	34.2	51.4

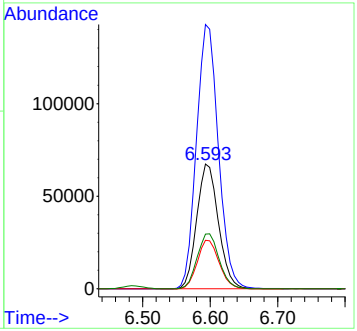


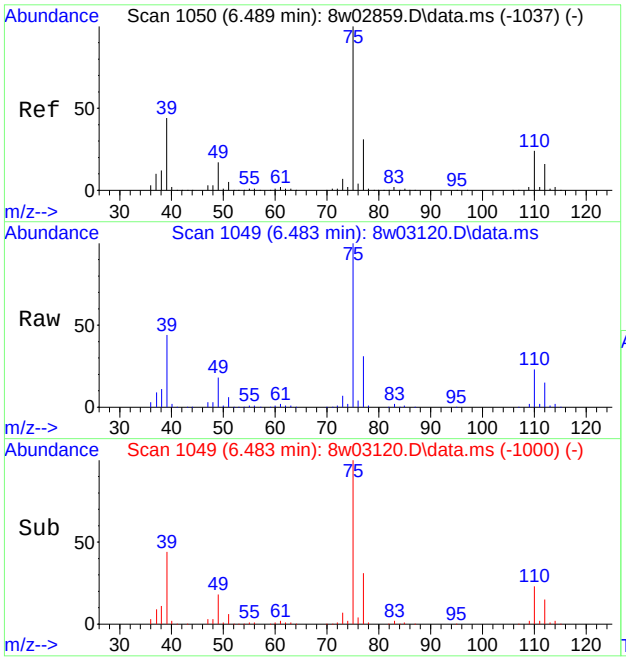


#64
METHYL ISOBUTYL KETONE
Concen: 10.00 PPBV
RT: 6.593 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 58 Resp: 150587

Ion	Ratio	Lower	Upper
58	100		
43	214.5	171.6	257.4
100	39.2	31.4	47.0
85	44.7	35.8	53.6

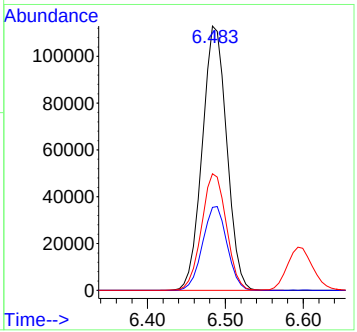


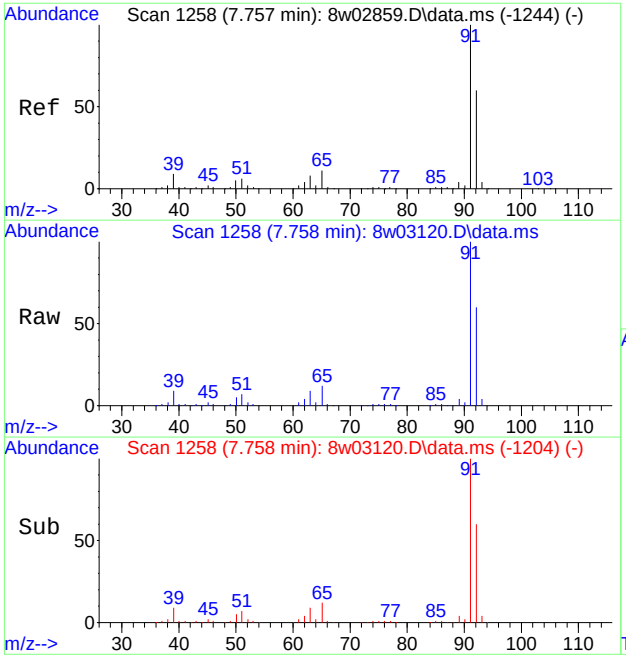


#65
CIS-1,3-DICHLOROPROPENE
Concen: 10.00 PPBV
RT: 6.483 min Scan# 1049
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 75 Resp: 246144

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	44.8	35.8	53.8

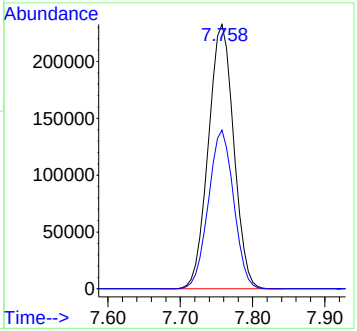


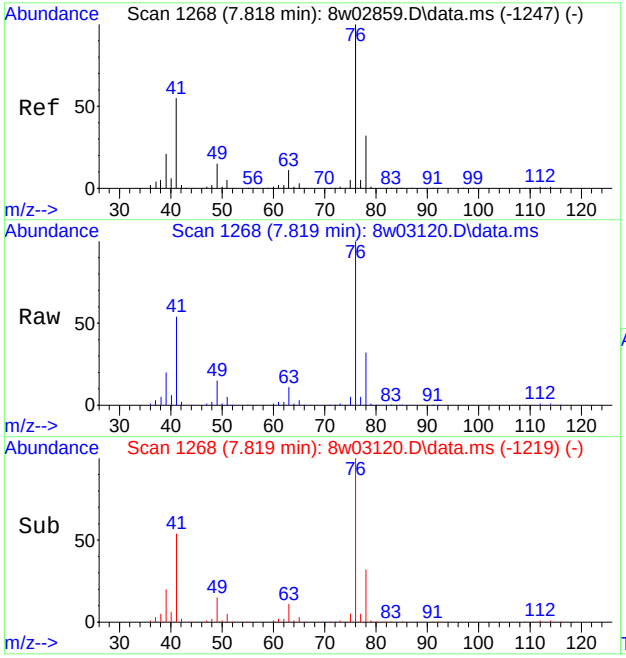


#66
TOLUENE
Concen: 10.00 PPBV
RT: 7.758 min Scan# 1258
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 91 Resp: 566416

Ion	Ratio	Lower	Upper
91	100		
92	59.8	39.8	79.8

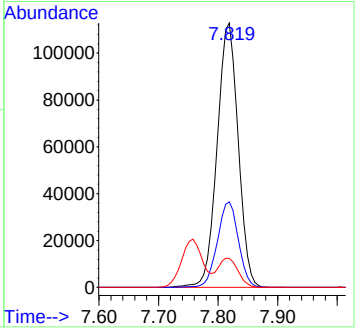


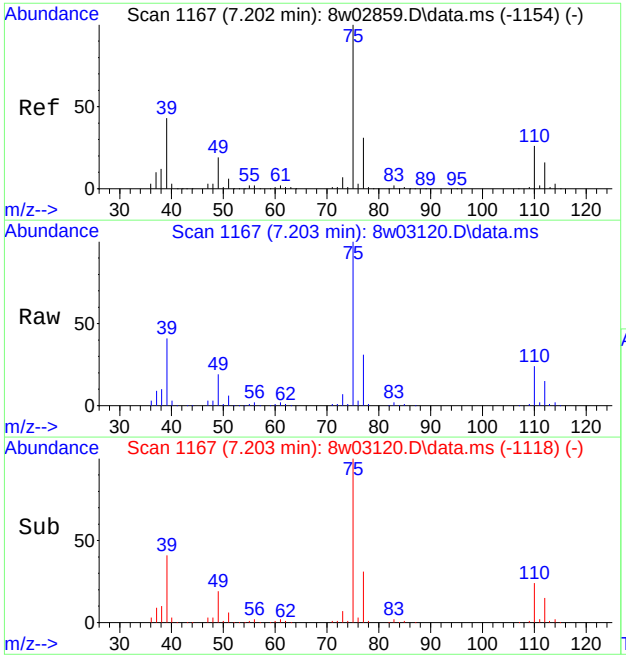


#67
1,3-DICHLOROPROPANE
Concen: 10.00 PPBV
RT: 7.819 min Scan# 1268
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 76 Resp: 276170

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9
63	10.7	8.6	12.8

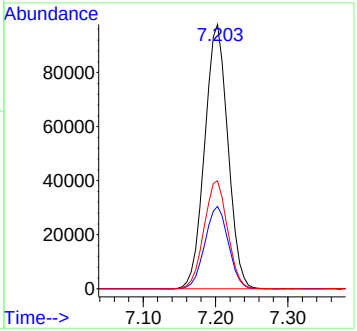


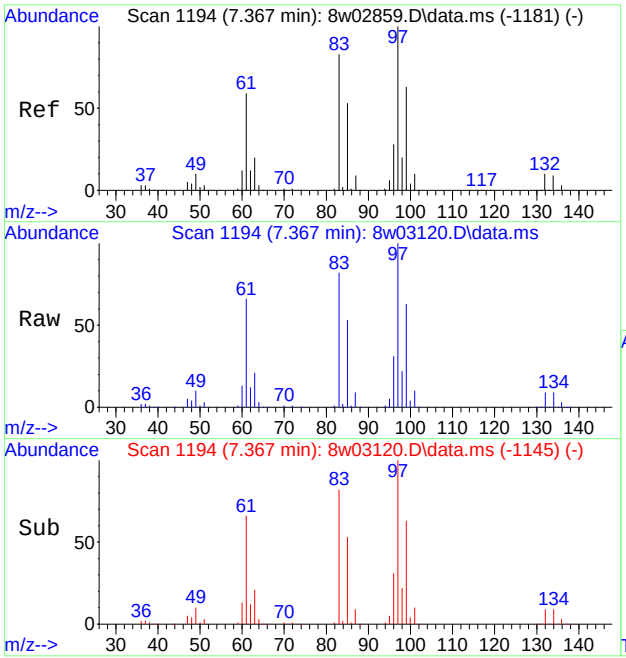


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 10.00 PPBV
RT: 7.203 min Scan# 1167
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 75 Resp: 217462

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	41.7	33.4	50.0

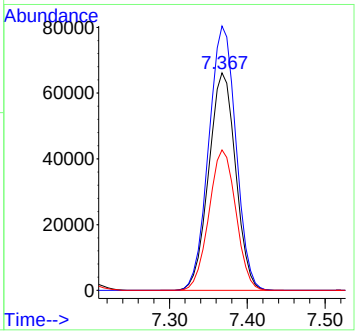


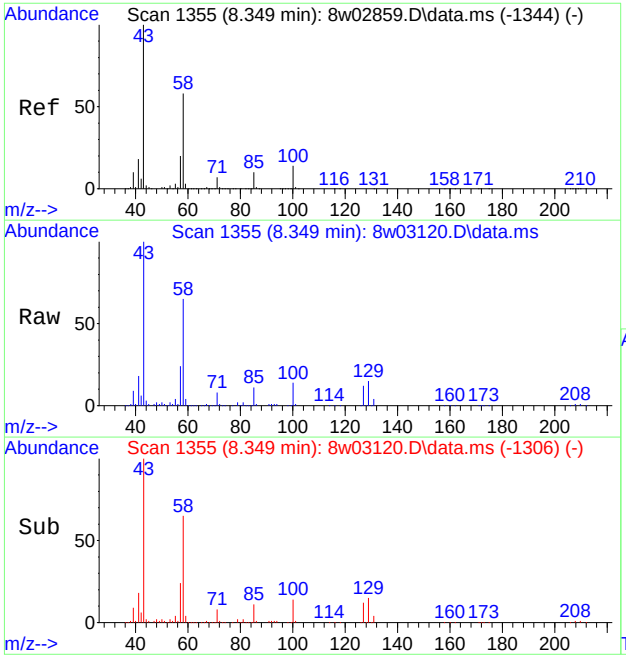


#69
1,1,2-TRICHLOROETHANE
Concen: 10.00 PPBV
RT: 7.367 min Scan# 1194
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 83 Resp: 158346

Ion	Ratio	Lower	Upper
83	100		
97	122.7	98.2	147.2
85	64.6	51.7	77.5

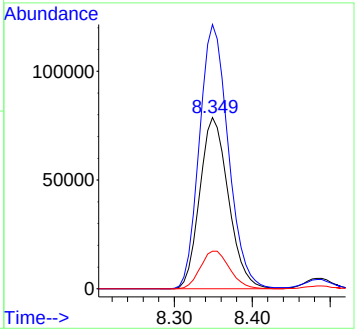


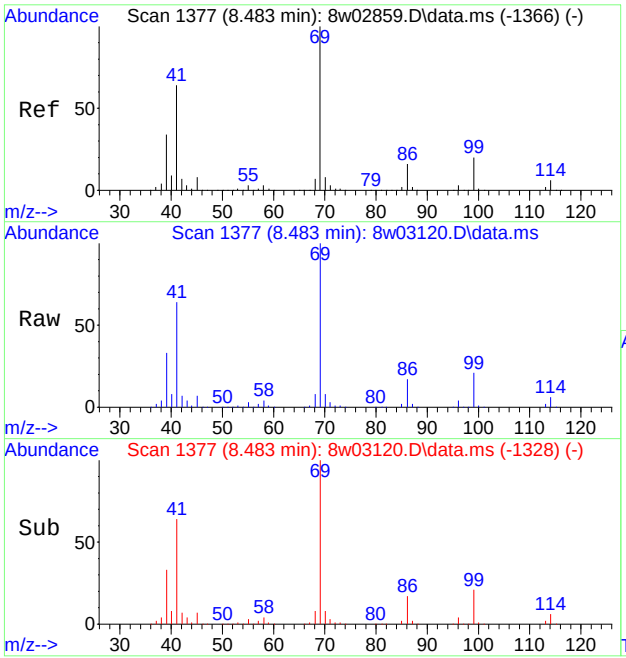


#70
2-HEXANONE
Concen: 10.00 PPBV
RT: 8.349 min Scan# 1355
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 58 Resp: 201017

Ion	Ratio	Lower	Upper
58	100		
43	155.4	124.3	186.5
100	22.5	18.0	27.0

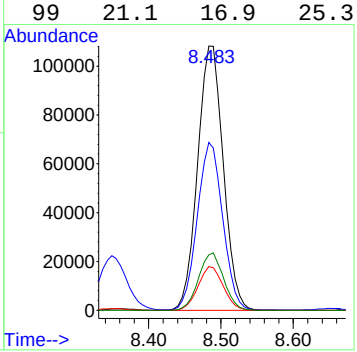


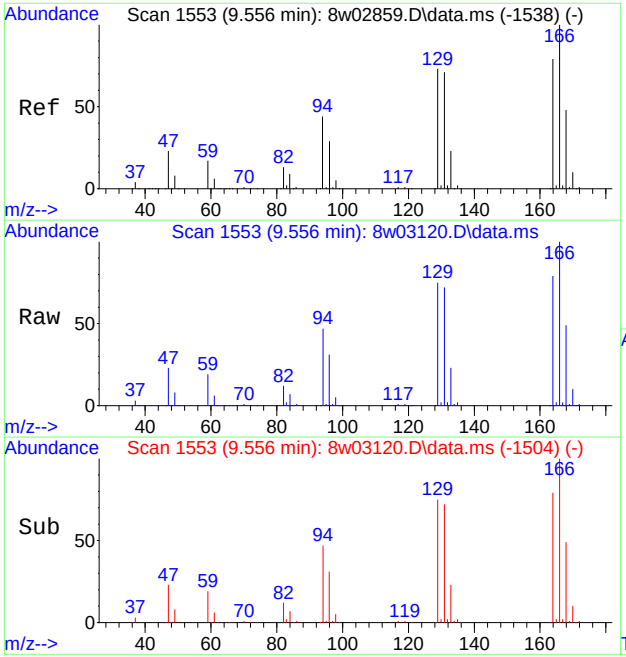


#71
ETHYL METHACRYLATE
Concen: 10.00 PPBV
RT: 8.483 min Scan# 1377
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 69 Resp: 267580

Ion	Ratio	Lower	Upper
69	100		
41	62.9	50.3	75.5
86	16.2	13.0	19.4
99	21.1	16.9	25.3

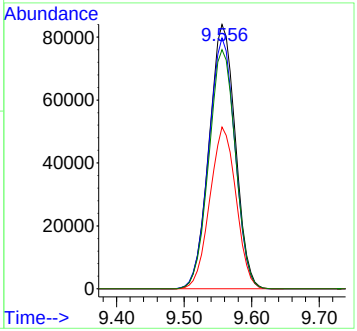


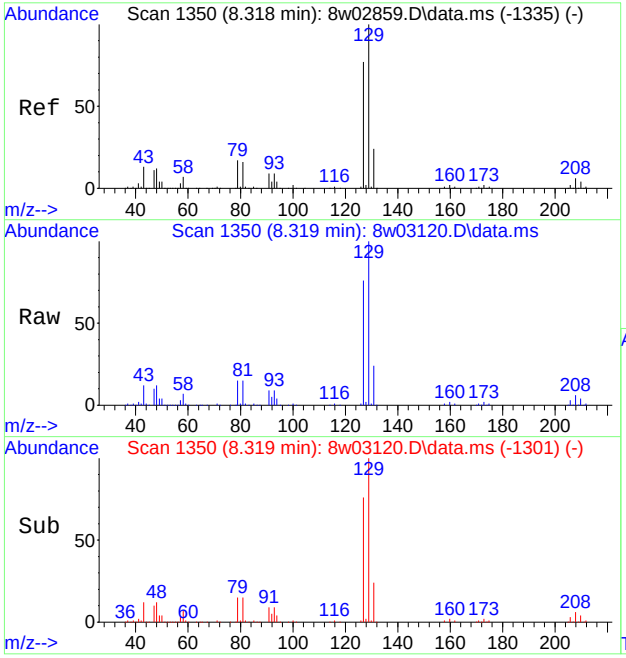


#72
TETRACHLOROETHENE
Concen: 10.00 PPBV
RT: 9.556 min Scan# 1553
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:164 Resp: 227684

Ion	Ratio	Lower	Upper
164	100		
129	94.8	75.8	113.8
168	61.0	48.8	73.2
131	91.2	73.0	109.4

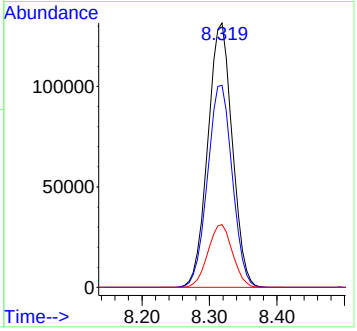


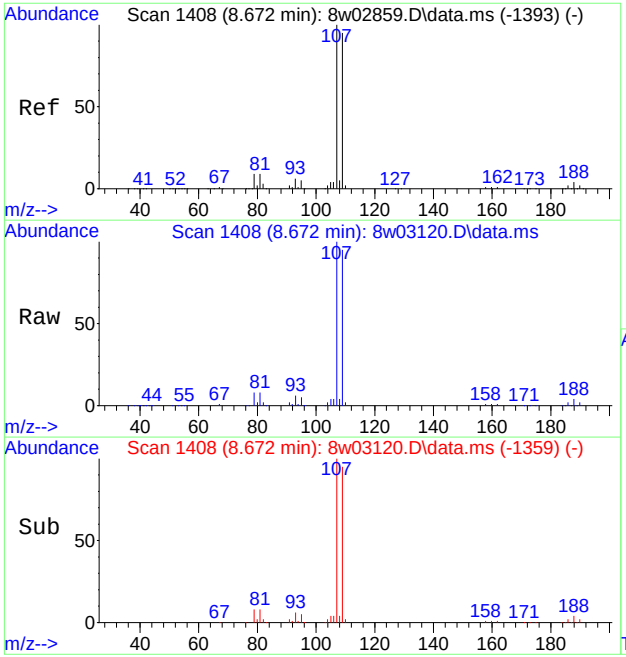


#73
DIBROMOCHLOROMETHANE
Concen: 10.00 PPBV
RT: 8.319 min Scan# 1350
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:129 Resp: 331430

Ion	Ratio	Lower	Upper
129	100		
127	77.5	62.0	93.0
131	23.9	19.1	28.7

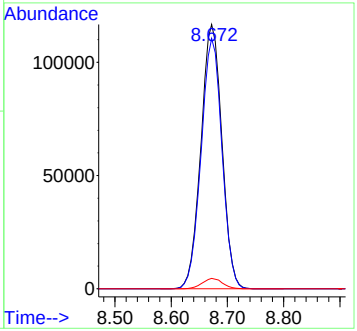


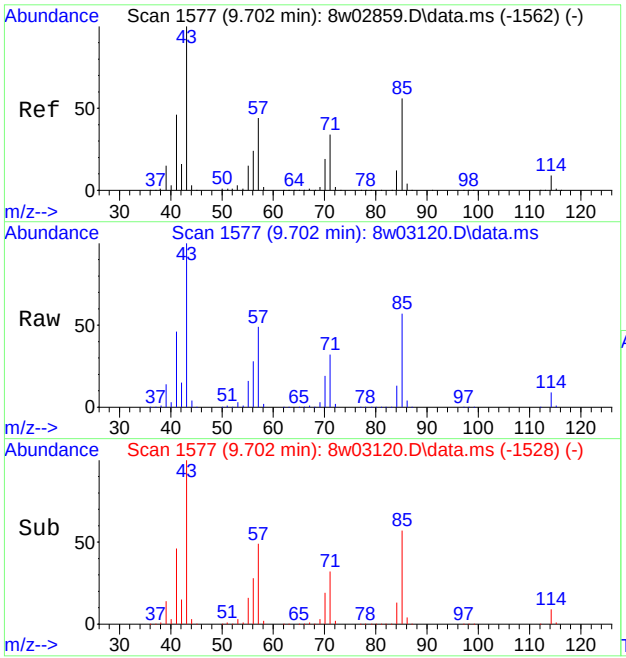


#74
1,2-DIBROMOETHANE
Concen: 10.00 PPBV
RT: 8.672 min Scan# 1408
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:107 Resp: 302424

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0
188	3.8	3.0	4.6

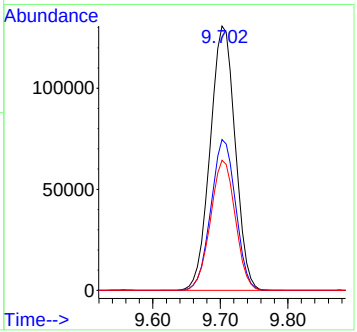


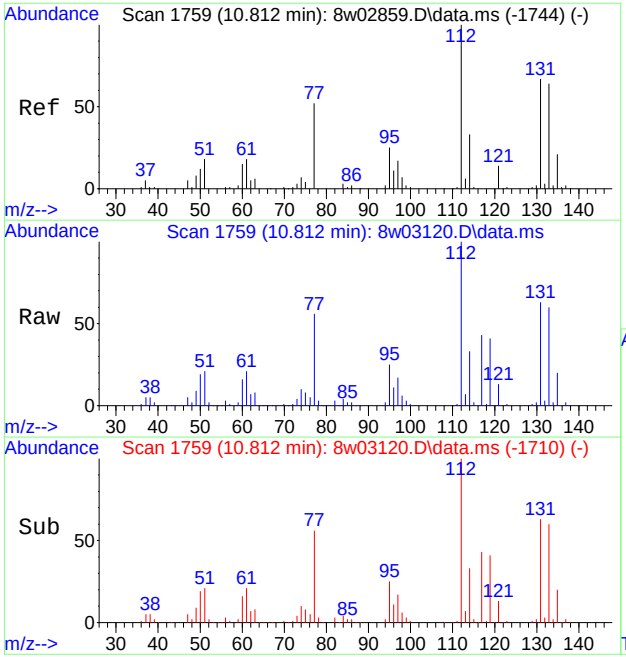


#75
OCTANE
Concen: 10.00 PPBV
RT: 9.702 min Scan# 1577
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 43 Resp: 337059

Ion	Ratio	Lower	Upper
43	100		
85	56.4	45.1	67.7
57	48.8	39.0	58.6

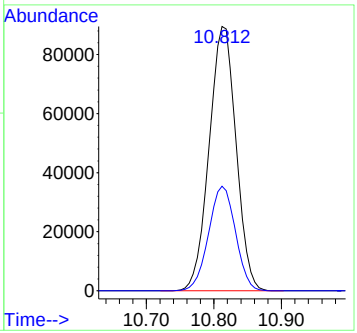


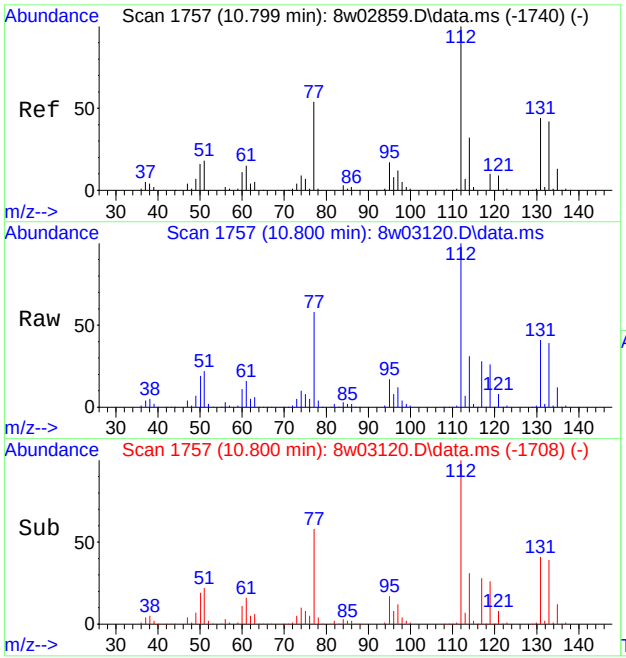


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 10.00 PPBV
RT: 10.812 min Scan# 1759
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:131 Resp: 248169

Ion	Ratio	Lower	Upper
131	100		
95	39.6	31.7	47.5

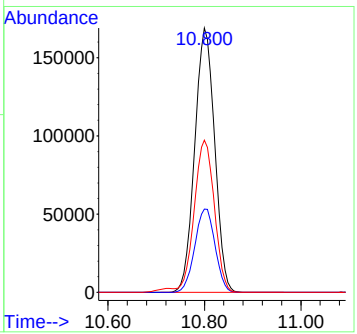


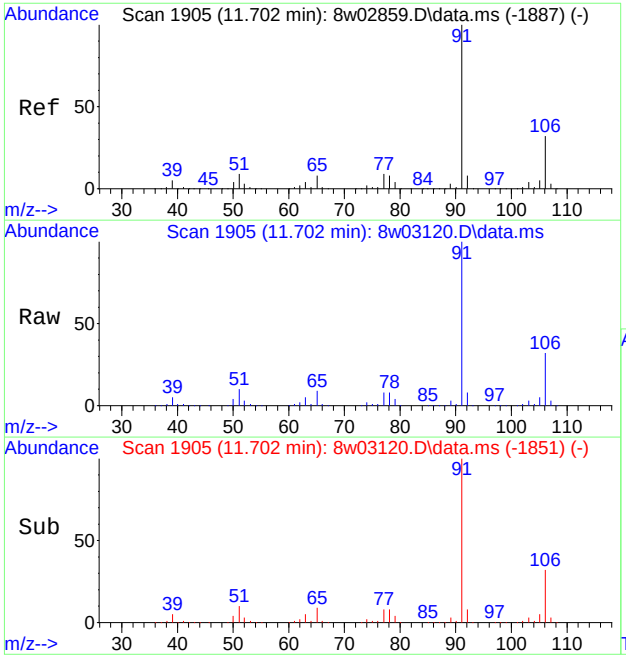


#78
CHLOROBENZENE
Concen: 10.00 PPBV
RT: 10.800 min Scan# 1757
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:112 Resp: 484829

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5
77	59.3	47.4	71.2

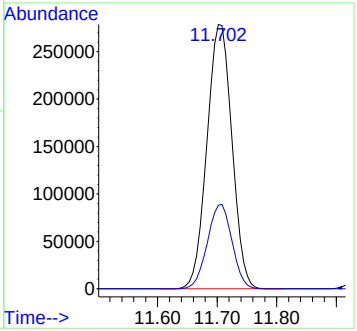


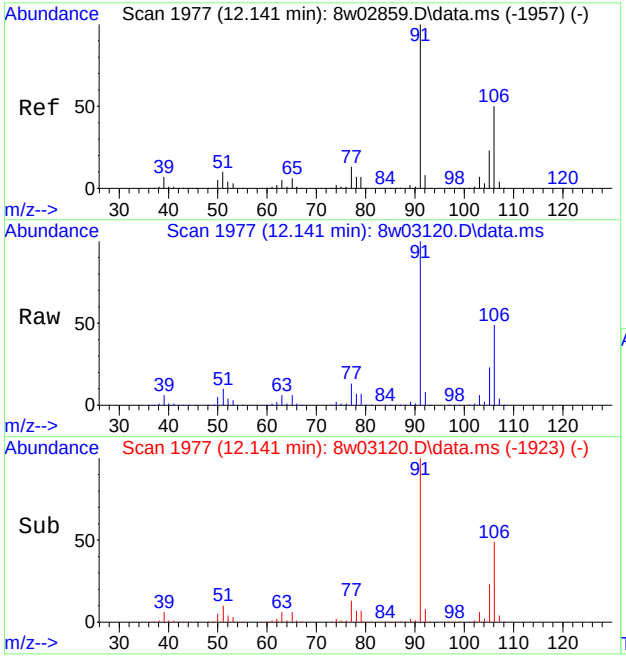


#79
ETHYLBENZENE
Concen: 10.00 PPBV
RT: 11.702 min Scan# 1905
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 91 Resp: 809606

Ion	Ratio	Lower	Upper
91	100		
106	31.5	11.5	51.5

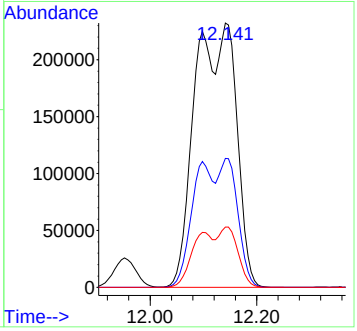


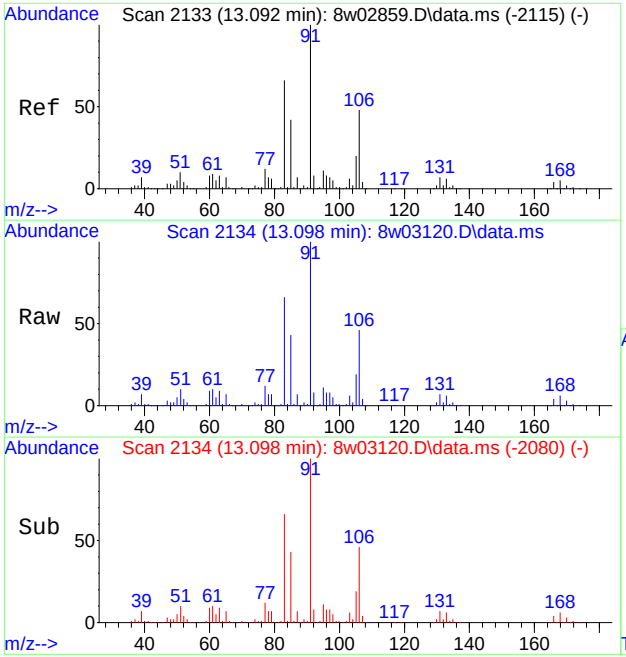


#80
M,P-XYLENE
Concen: 20.00 PPBV
RT: 12.141 min Scan# 1977
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 91 Resp: 1261398

Ion	Ratio	Lower	Upper
91	100		
106	25.3	5.3	45.3
105	11.8	0.0	31.8

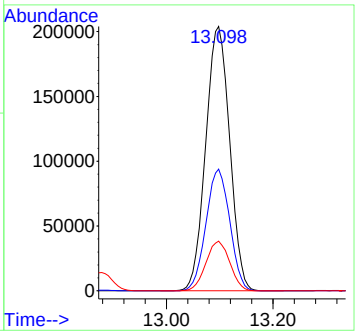


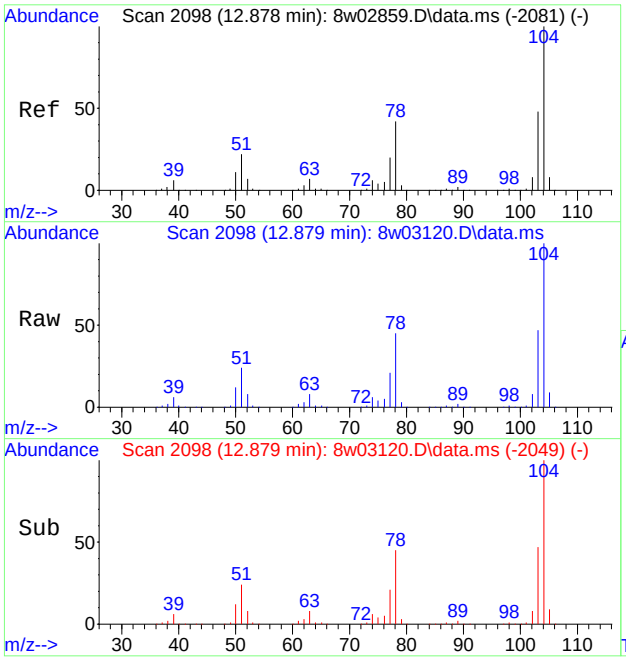


#81
O-XYLENE
Concen: 10.00 PPBV
RT: 13.098 min Scan# 2134
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 91 Resp: 637155

Ion	Ratio	Lower	Upper
91	100		
106	46.0	36.8	55.2
105	18.8	15.0	22.6

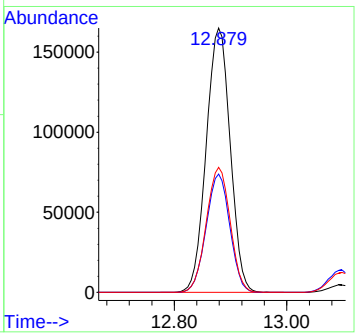


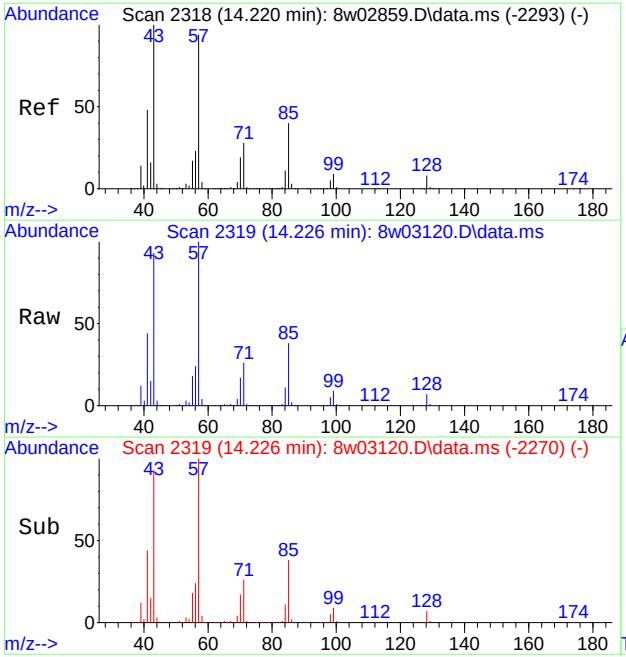


#82
STYRENE
Concen: 10.00 PPBV
RT: 12.879 min Scan# 2098
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:104 Resp: 489449

Ion	Ratio	Lower	Upper
104	100		
78	44.2	35.4	53.0
103	47.1	37.7	56.5

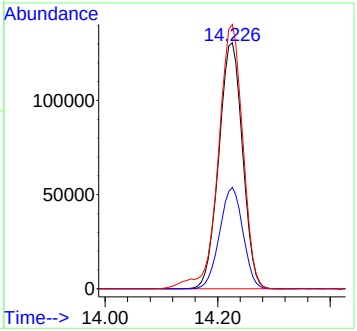


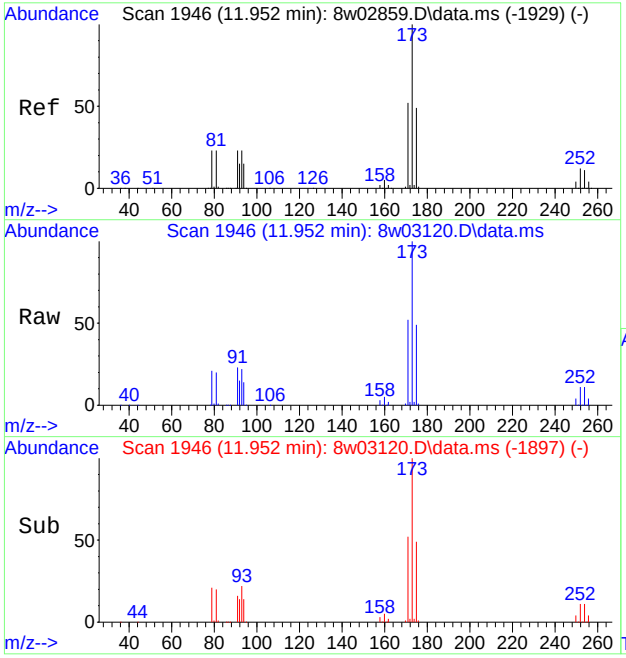


#83
NONANE
Concen: 10.00 PPBV
RT: 14.226 min Scan# 2319
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 43 Resp: 382706

Ion	Ratio	Lower	Upper
43	100		
85	40.6	32.5	48.7
57	110.7	88.6	132.8

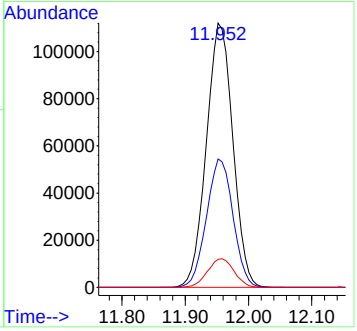


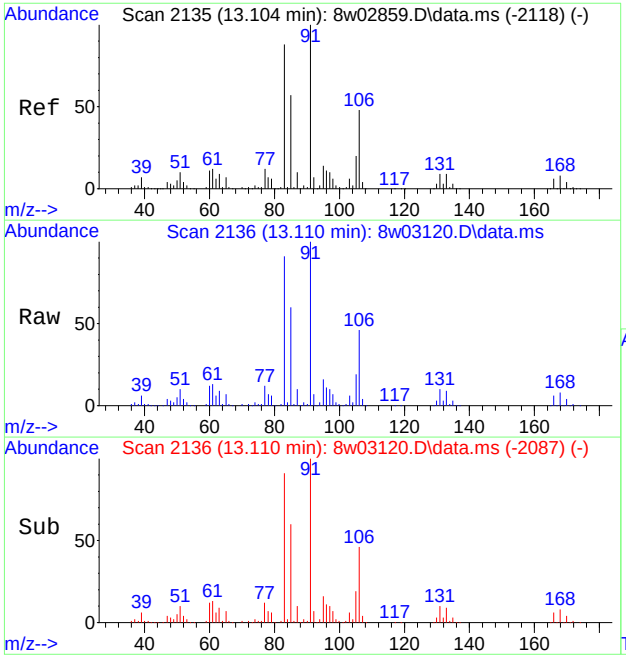


#84
BROMOFORM
Concen: 10.00 PPBV
RT: 11.952 min Scan# 1946
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:173 Resp: 325975

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
254	10.9	8.7	13.1

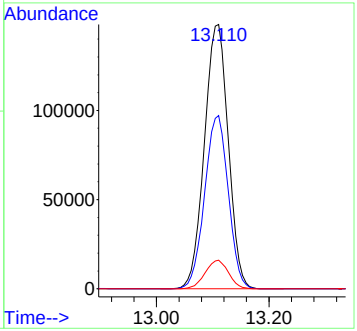


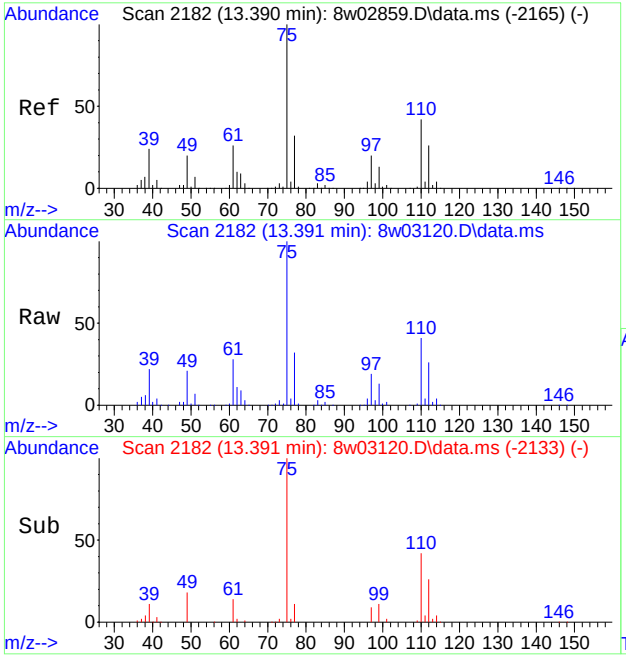


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 10.00 PPBV
RT: 13.110 min Scan# 2136
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 83 Resp: 436819

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9
131	10.6	8.5	12.7

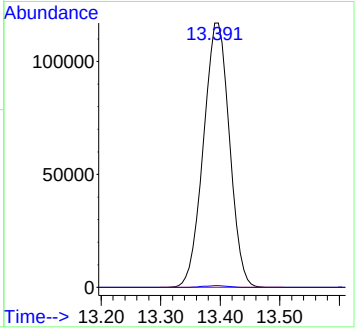


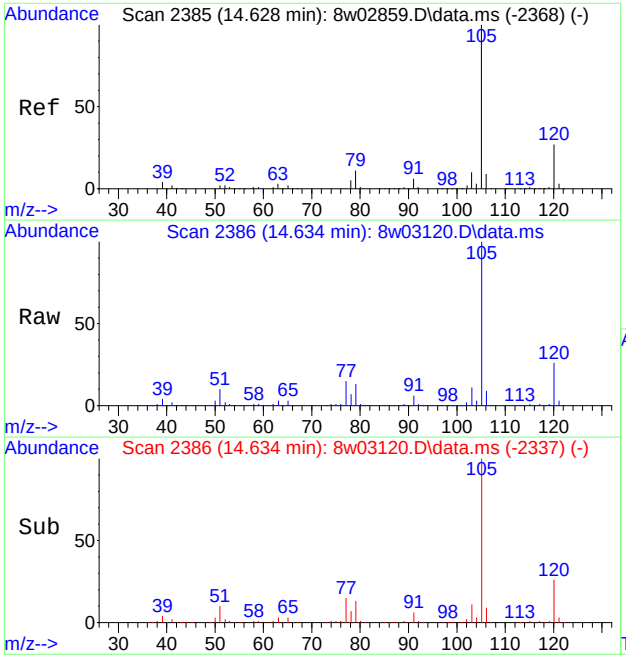


#86
1,2,3-TRICHLOROPROPANE
Concen: 10.00 PPBV
RT: 13.391 min Scan# 2182
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 75 Resp: 354157

Ion	Ratio	Lower	Upper
75	100		
100	0.6	0.5	0.7

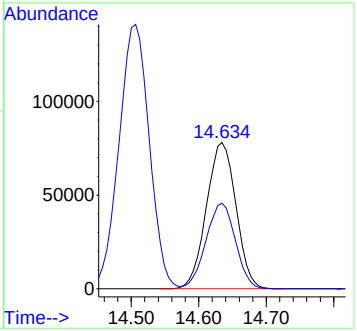


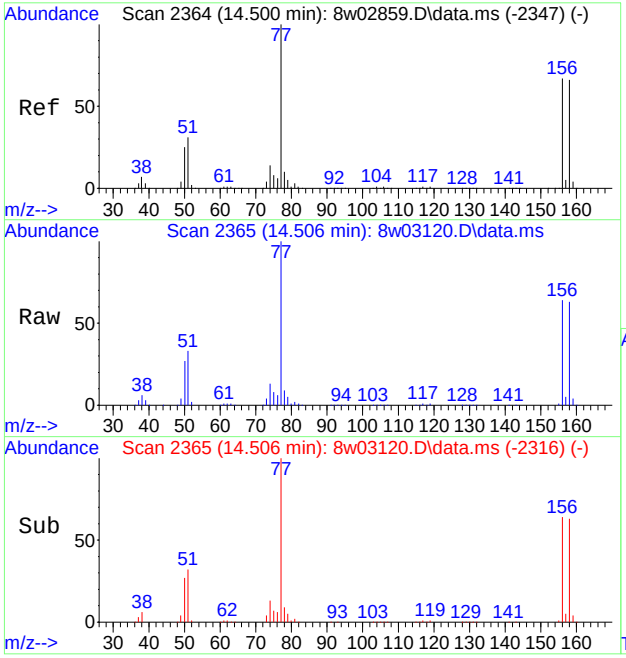


#88
ISOPROPYLBENZENE
Concen: 10.00 PPBV
RT: 14.634 min Scan# 2386
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:120 Resp: 237925

Ion	Ratio	Lower	Upper
120	100		
77	58.5	46.8	70.2

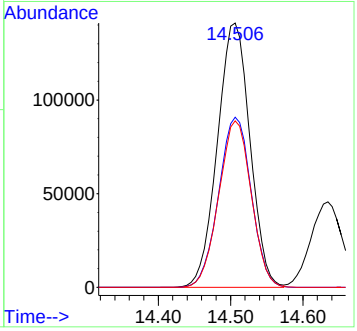


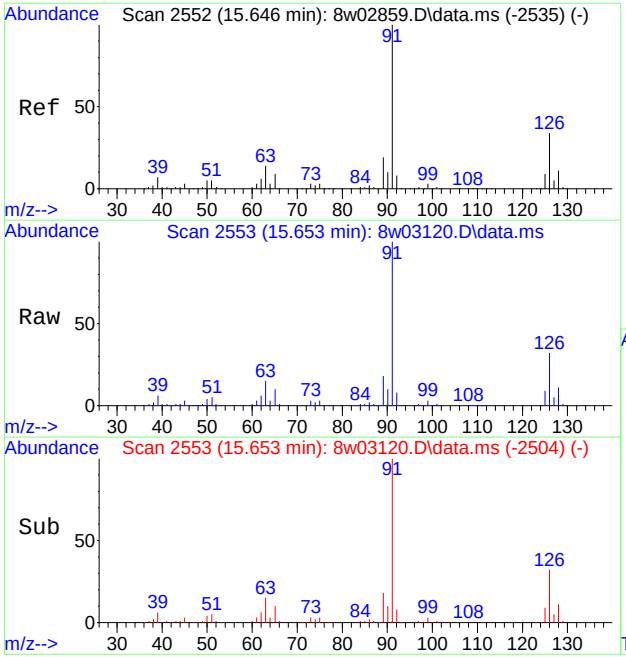


#89
BROMOBENZENE
Concen: 10.00 PPBV
RT: 14.506 min Scan# 2365
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 77 Resp: 442563

Ion	Ratio	Lower	Upper
77	100		
156	64.4	51.5	77.3
158	62.8	50.2	75.4

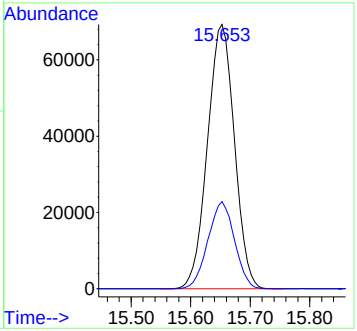


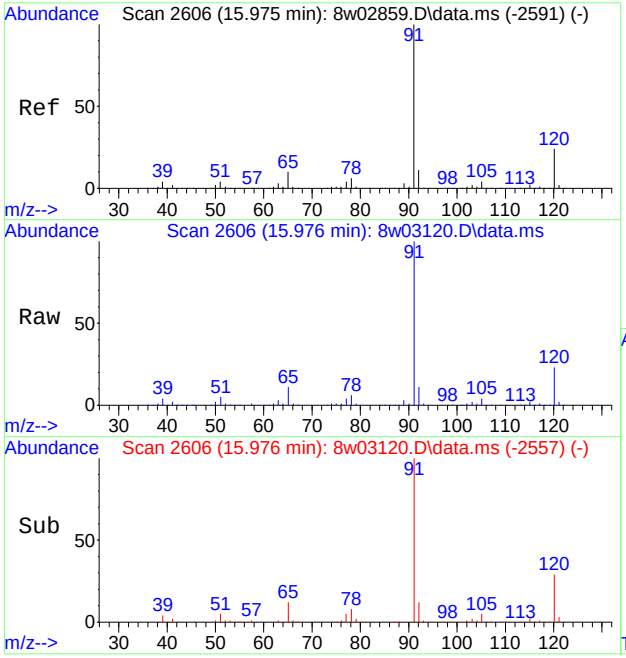


#90
2-CHLOROTOLUENE
Concen: 10.00 PPBV
RT: 15.653 min Scan# 2553
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:126 Resp: 217337

Ion	Ratio	Lower	Upper
126	100		
128	32.5	26.0	39.0

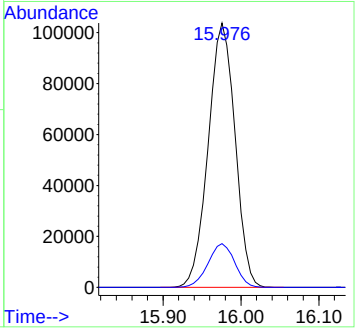


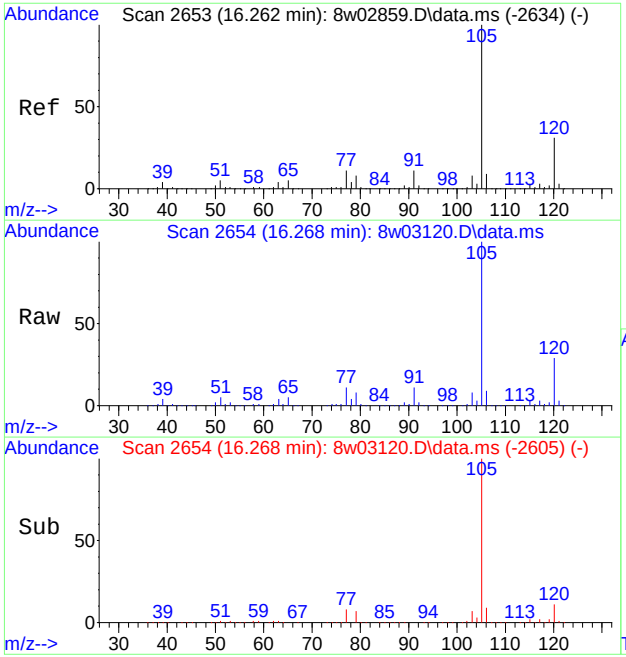


#91
N-PROPYLBENZENE
Concen: 10.00 PPBV
RT: 15.976 min Scan# 2606
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:120 Resp: 247629

Ion	Ratio	Lower	Upper
120	100		
105	16.6	13.3	19.9

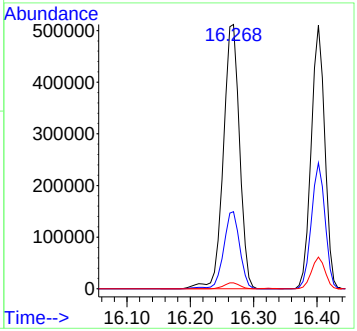


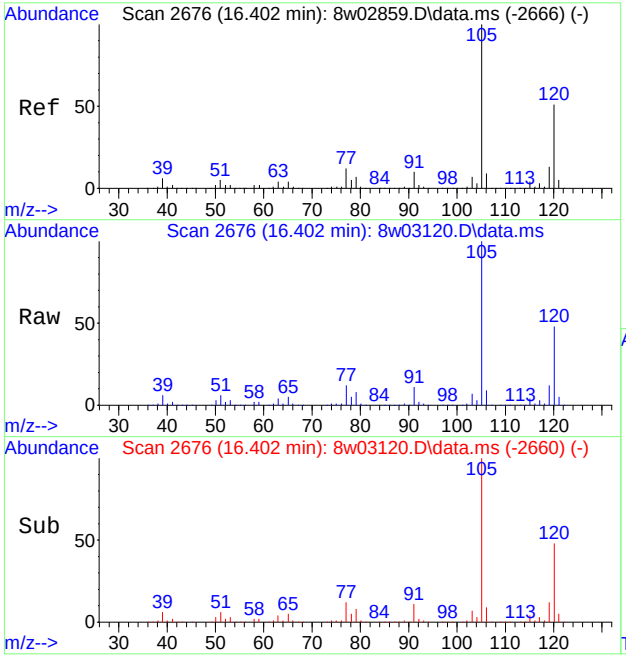


#92
4-ETHYLTOLUENE
Concen: 10.00 PPBV
RT: 16.268 min Scan# 2654
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:105 Resp: 909295

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.2	34.8
119	2.3	1.8	2.8

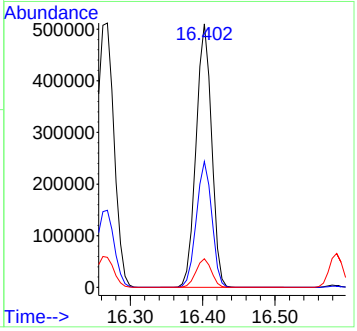


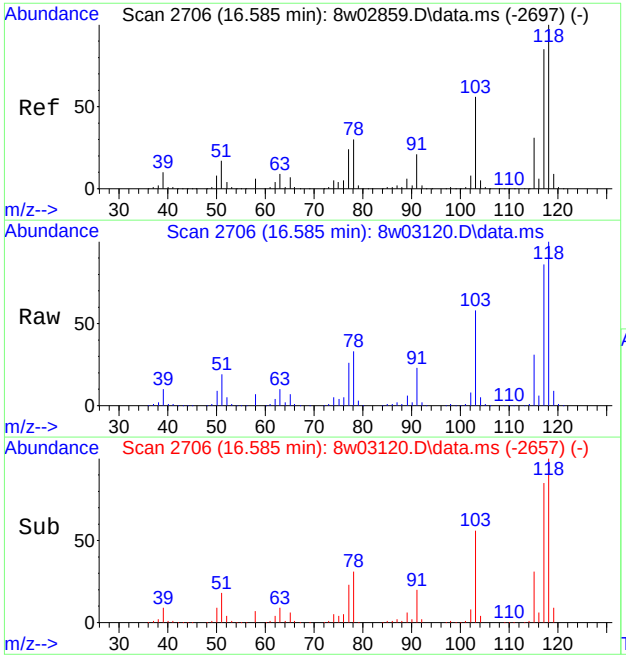


#93
1,3,5-TRIMETHYLBENZENE
Concen: 10.00 PPBV
RT: 16.402 min Scan# 2676
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:105 Resp: 759574

Ion	Ratio	Lower	Upper
105	100		
120	47.8	38.2	57.4
91	10.9	8.7	13.1

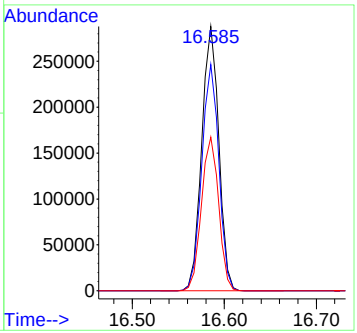


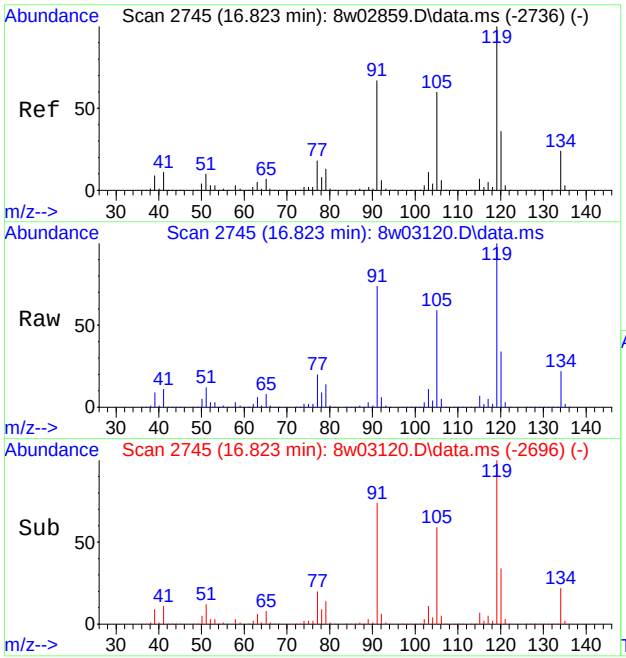


#94
ALPHA-METHYLSTYRENE
Concen: 10.00 PPBV
RT: 16.585 min Scan# 2706
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:118 Resp: 371862

Ion	Ratio	Lower	Upper
118	100		
117	85.6	68.5	102.7
103	58.6	46.9	70.3

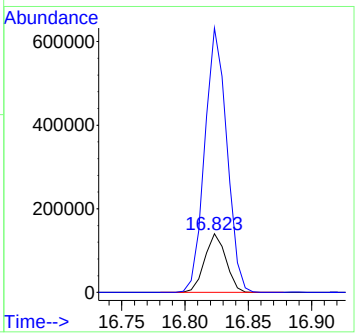


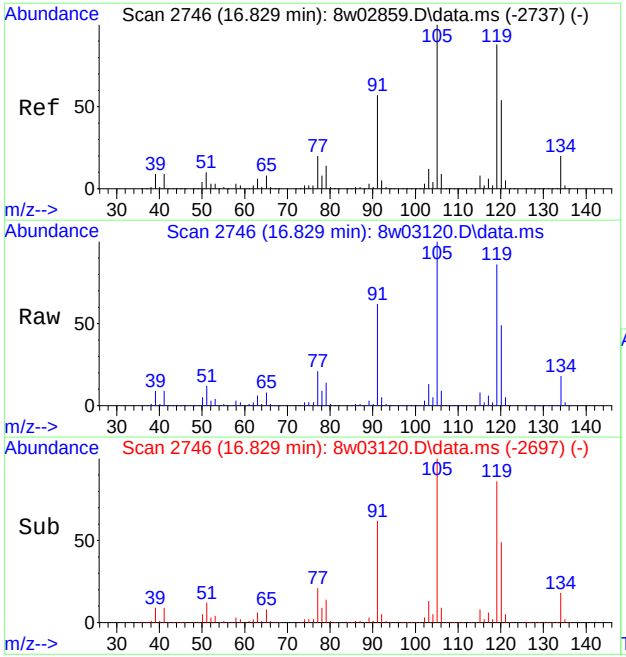


#95
TERT-BUTYLBENZENE
Concen: 10.00 PPBV
RT: 16.823 min Scan# 2745
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:134 Resp: 163169

Ion	Ratio	Lower	Upper
134	100		
119	470.5	376.4	564.6

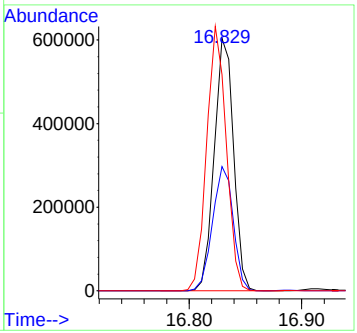


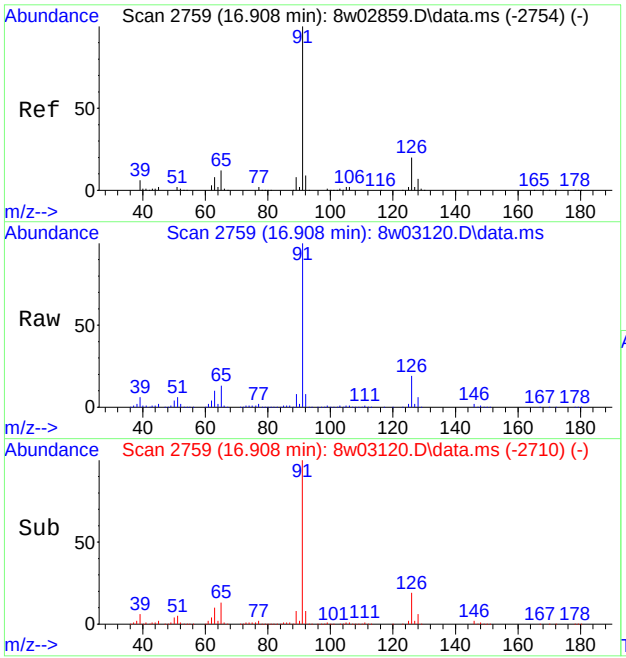


#96
1,2,4-TRIMETHYLBENZENE
Concen: 10.00 PPBV
RT: 16.829 min Scan# 2746
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:105 Resp: 725146

Ion	Ratio	Lower	Upper
105	100		
120	52.6	42.1	63.1
119	105.8	84.6	127.0

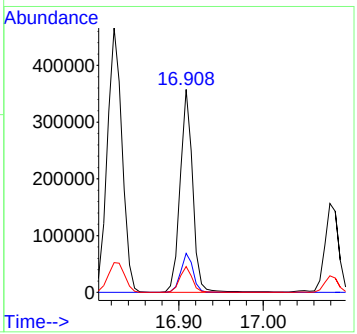


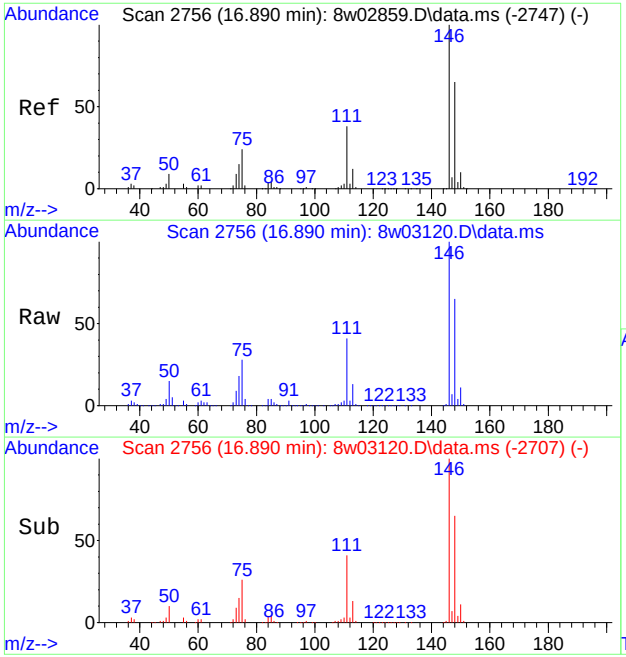


#97
BENZYL CHLORIDE
Concen: 10.00 PPBV
RT: 16.908 min Scan# 2759
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion: 91 Resp: 368840

Ion	Ratio	Lower	Upper
91	100		
126	19.0	15.2	22.8
65	12.9	10.3	15.5

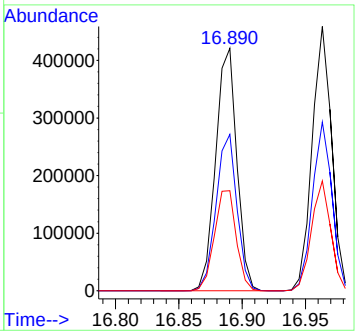


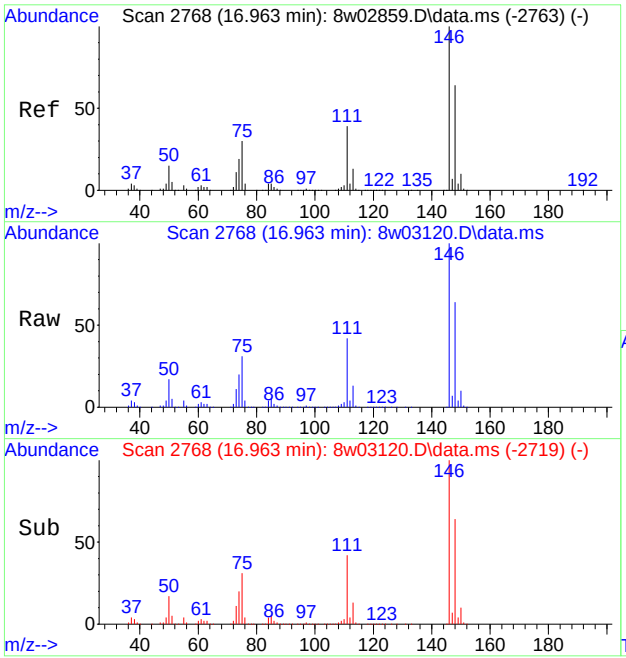


#98
M-DICHLOROBENZENE
Concen: 10.00 PPBV
RT: 16.890 min Scan# 2756
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:146 Resp: 487953

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.8	34.2	51.4

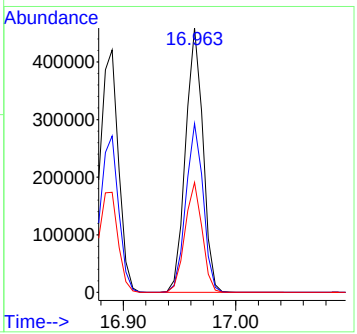


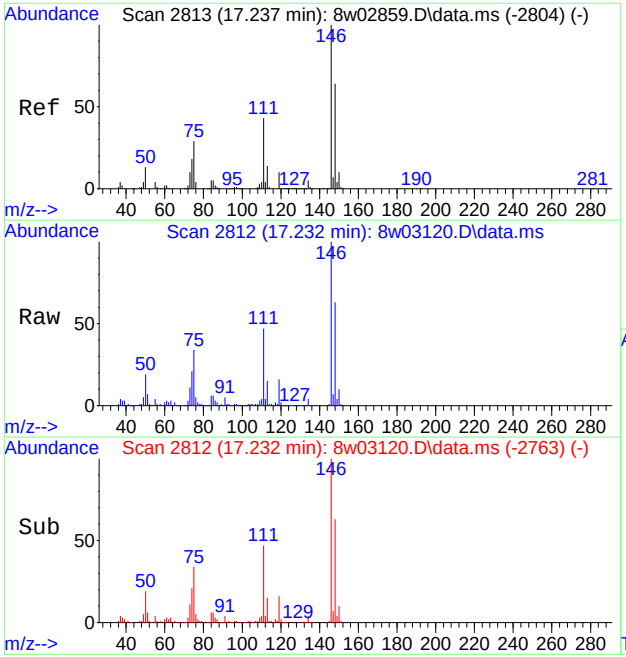


#99
P-DICHLOROBENZENE
Concen: 10.00 PPBV
RT: 16.963 min Scan# 2768
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:146 Resp: 491861

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	41.0	32.8	49.2

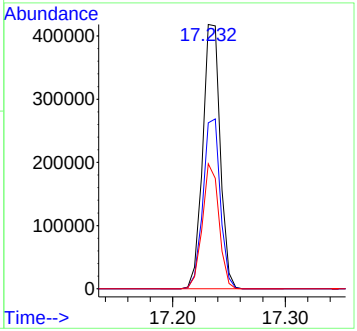


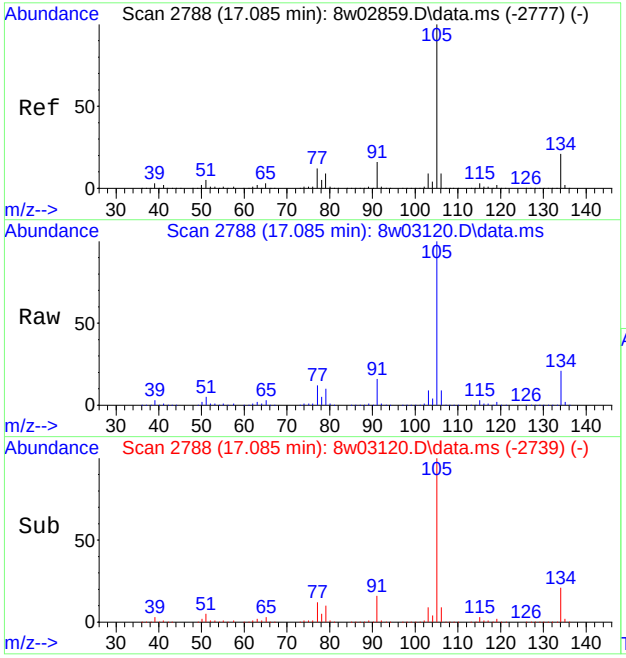


#100
O-DICHLOROBENZENE
Concen: 10.00 PPBV
RT: 17.232 min Scan# 2812
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:146 Resp: 451554

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.9	76.3
111	44.9	35.9	53.9

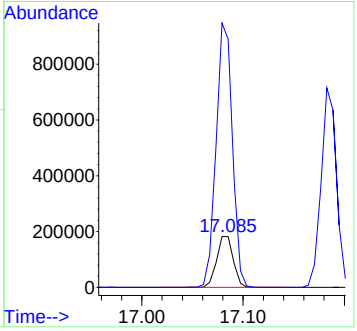


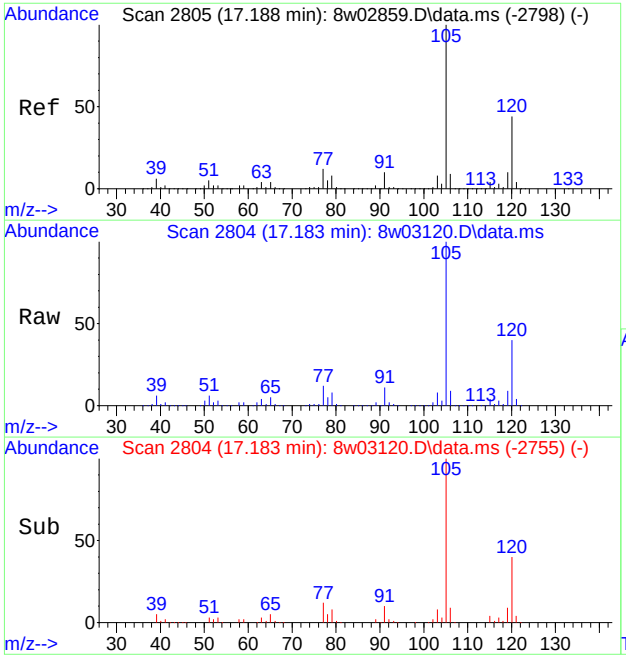


#101
SEC-BUTYLBENZENE
Concen: 10.00 PPBV
RT: 17.085 min Scan# 2788
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:134 Resp: 209347

Ion	Ratio	Lower	Upper
134	100		
105	506.3	405.0	607.6

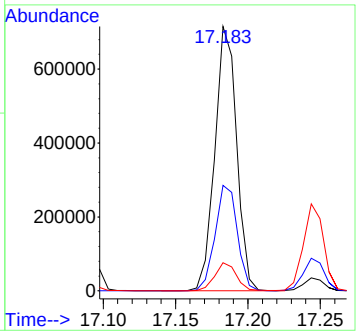


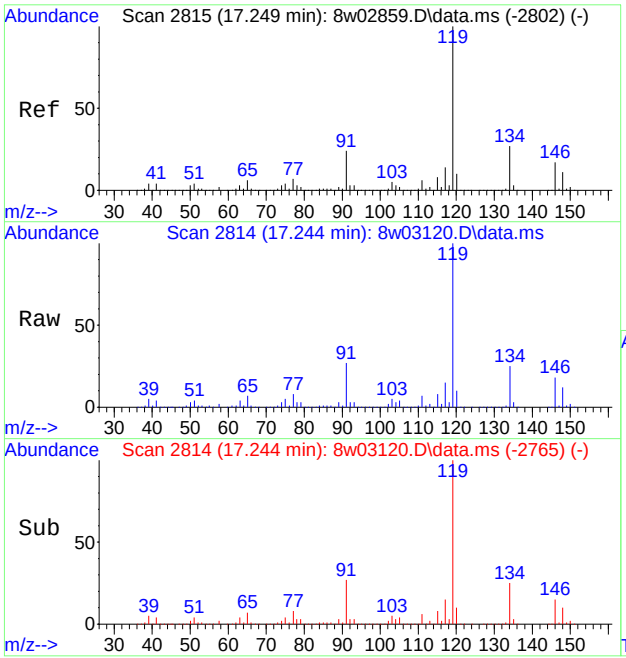


#102
1,2,3-TRIMETHYLBENZENE
Concen: 10.00 PPBV
RT: 17.183 min Scan# 2804
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:105 Resp: 750191

Ion	Ratio	Lower	Upper
105	100		
120	40.8	32.6	49.0
91	10.5	8.4	12.6

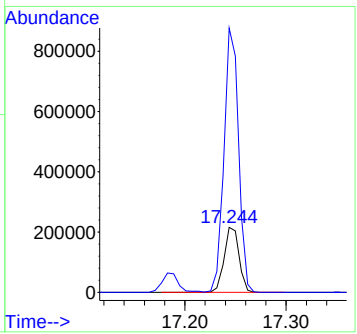


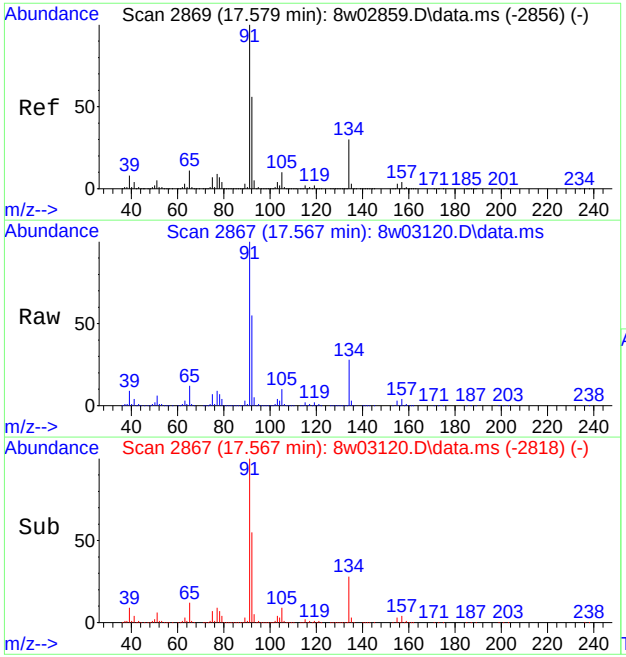


#103
P-ISOPROPYLTOLUENE
Concen: 10.00 PPBV
RT: 17.244 min Scan# 2814
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:134 Resp: 221944

Ion	Ratio	Lower	Upper
134	100		
119	395.7	316.6	474.8

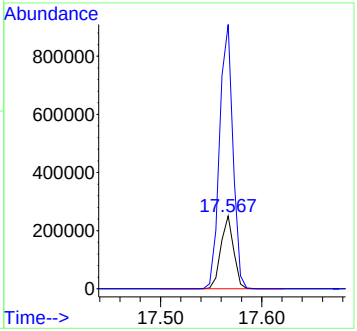


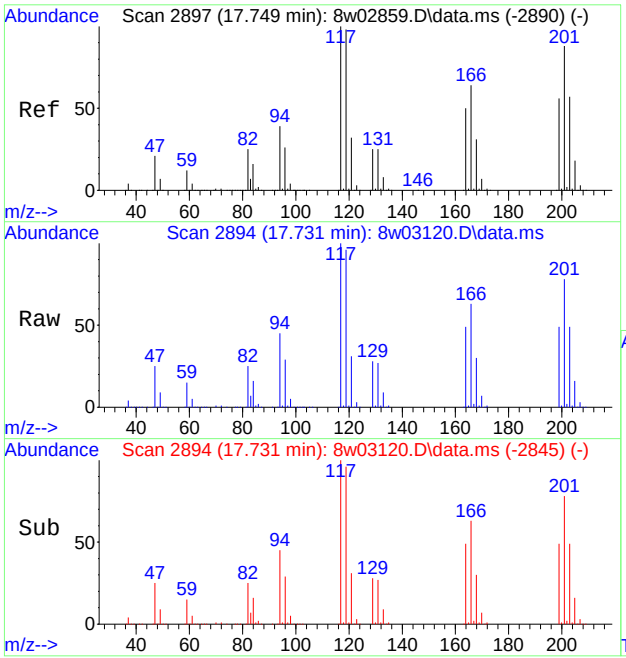


#104
N-BUTYLBENZENE
Concen: 10.00 PPBV
RT: 17.567 min Scan# 2867
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:134 Resp: 218939

Ion	Ratio	Lower	Upper
134	100		
91	381.6	305.3	457.9

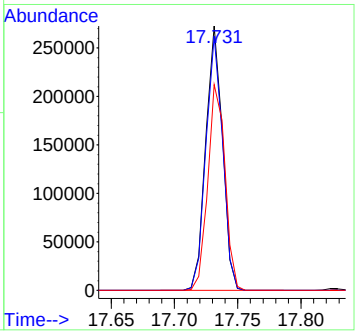




#105
HEXACHLOROETHANE
Concen: 10.00 PPBV
RT: 17.731 min Scan# 2894
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

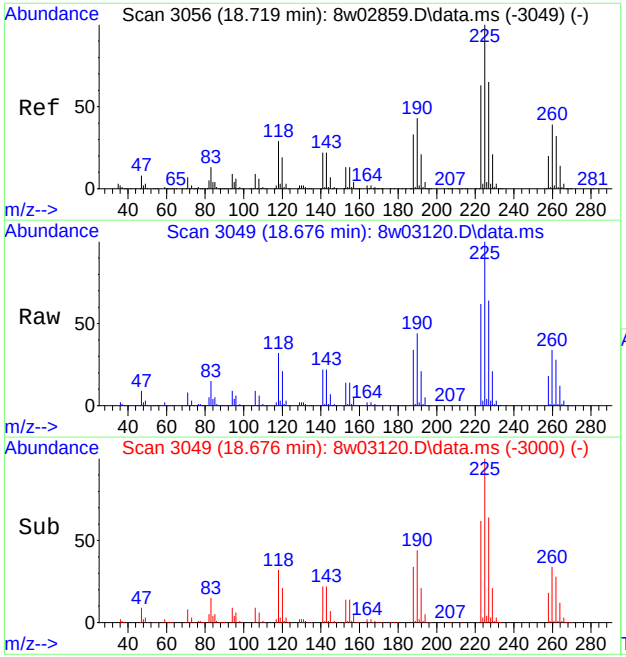
Tgt Ion:117 Resp: 249526

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.0	115.6
201	80.2	64.2	96.2



7.7.18

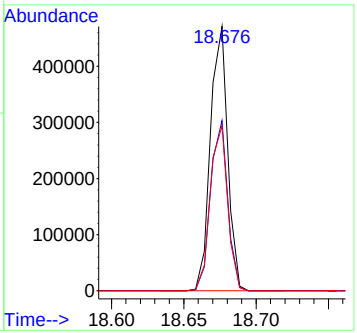
7

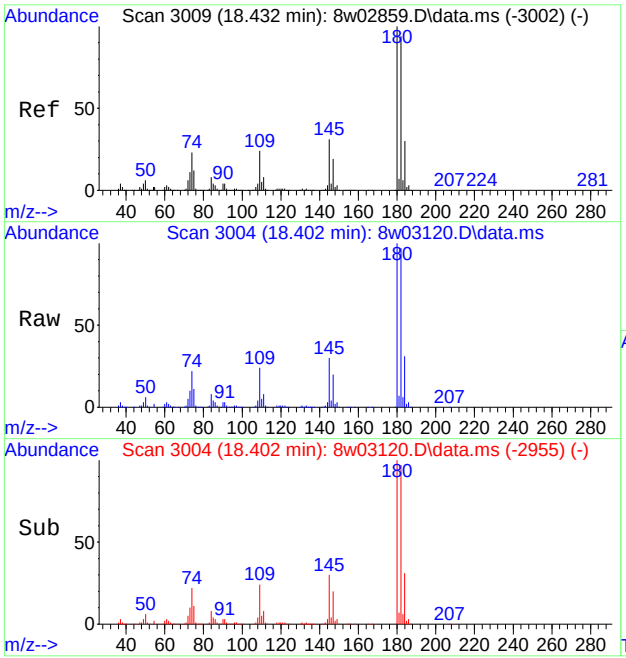


#106
HEXACHLOROBUTADIENE
Concen: 10.00 PPBV
RT: 18.676 min Scan# 3049
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:225 Resp: 390158

Ion	Ratio	Lower	Upper
225	100		
227	64.0	51.2	76.8
223	62.8	50.2	75.4

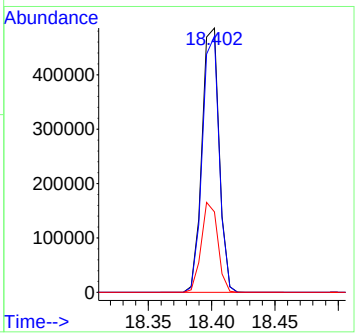


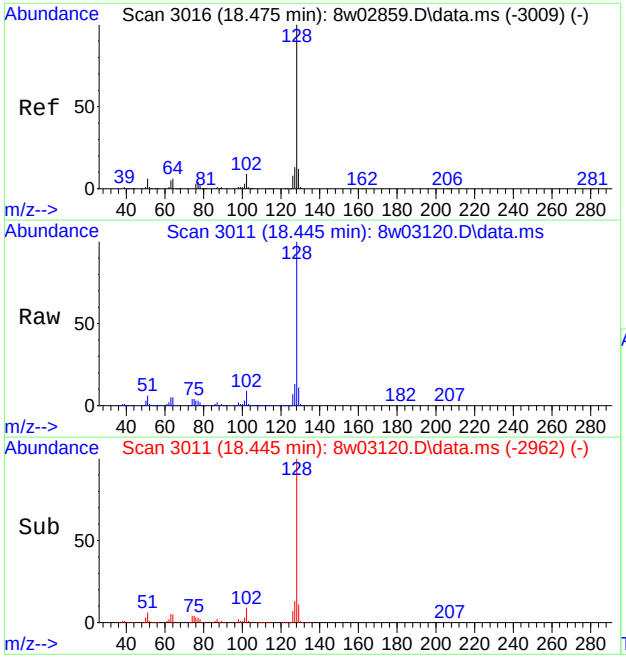


#107
1,2,4-TRICHLOROBENZENE
Concen: 10.00 PPBV
RT: 18.402 min Scan# 3004
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:180 Resp: 458272

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	32.7	26.2	39.2

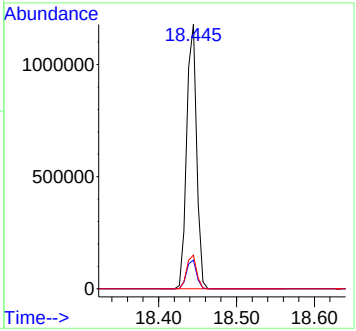


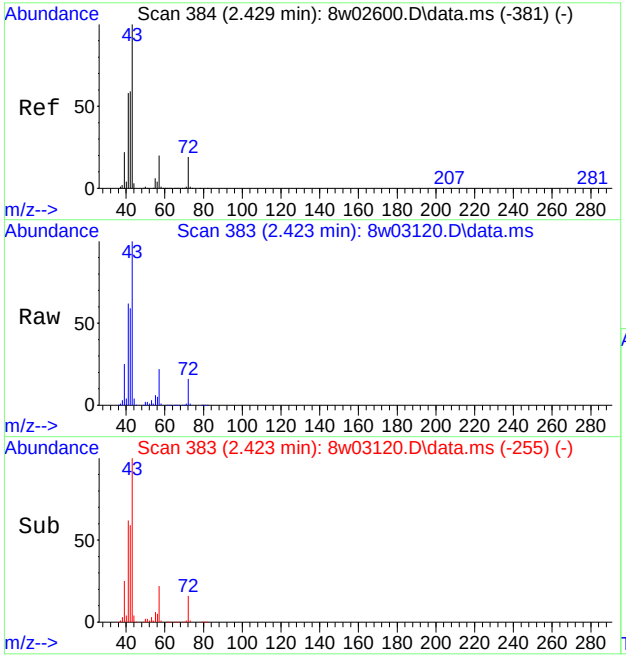


#108
NAPHTHALENE
Concen: 10.00 PPBV
RT: 18.445 min Scan# 3011
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:128 Resp: 1044173

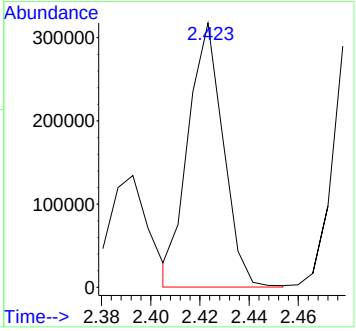
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.7	10.2	15.2





#110
TVHC as equiv Pentane
Concen: 6.90 PPBV m
RT: 2.423 min Scan# 383
Delta R.T. 0.000 min
Lab File: 8w03120.D
Acq: 20 Dec 2023 12:38 am

Tgt Ion:TIC Resp: 314171



Manual Integration Approval Summary

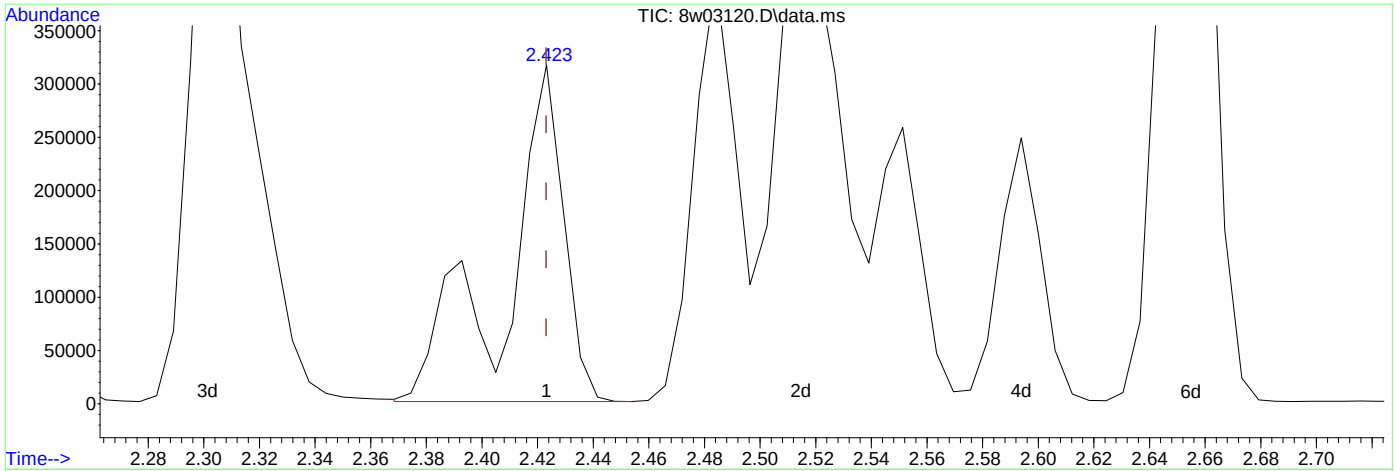
Sample Number:	V8W124-ICC0124	**Method:**	TO-15
Lab FileID:	8W03120.D	**Analyst approved:**	12/21/23 10:34 Taylor Sauter
Injection Time:	12/20/23 00:38	**Supervisor approved:**	12/21/23 12:54 Kanya Veerawat

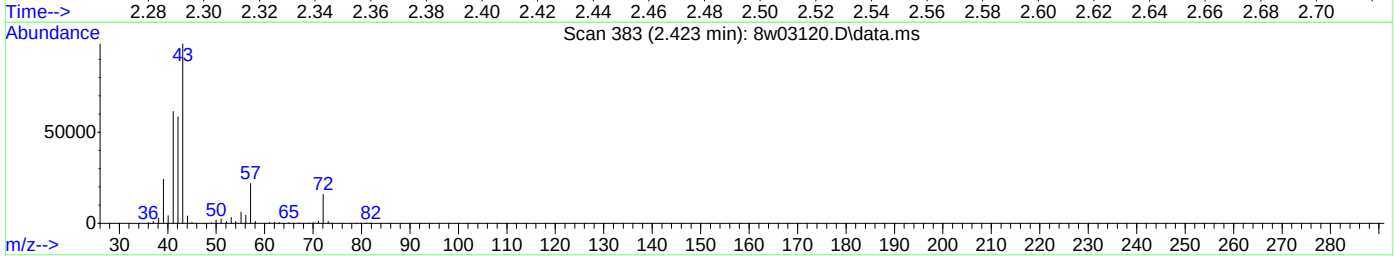
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Missed peak

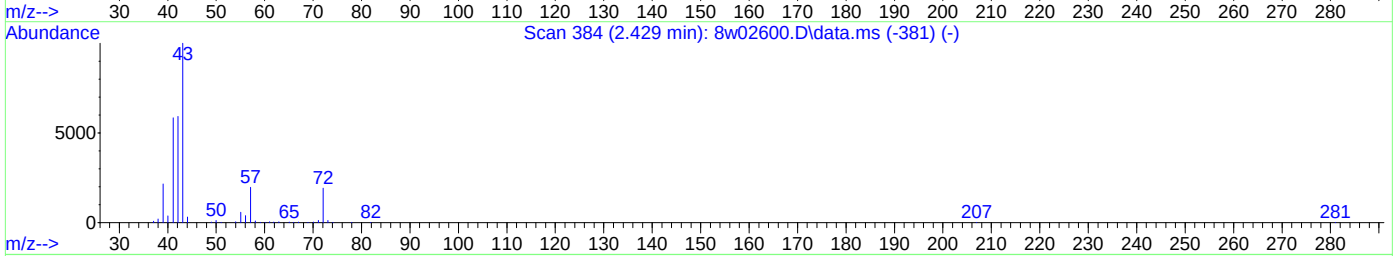
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03120.D
Acq On : 20 Dec 2023 12:38 am
Operator : taylors
Sample : icc0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 07:53:58 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03120.D\data.ms

(110) TVHC as equiv Pentane

2.423min (0.000) 10.00PPBV

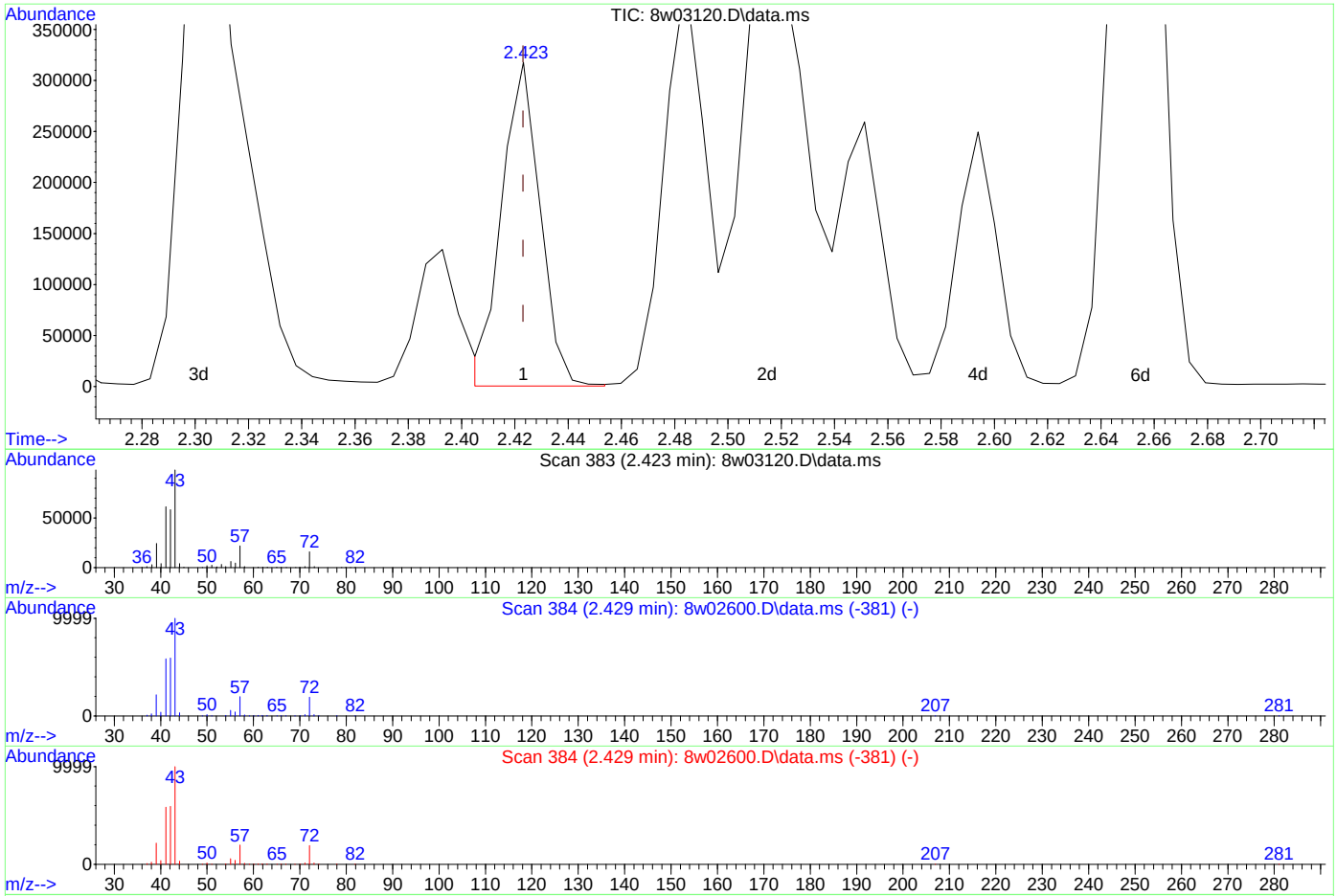
response 455438

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03120.D
Acq On : 20 Dec 2023 12:38 am
Operator : taylors
Sample : icc0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 07:53:58 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03120.D\data.ms

(110) TVHC as equiv Pentane

2.423min (0.000) 6.90PPBV m

response 314171

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

8W03121.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 12/21/23 12:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03121.D
Acq On : 20 Dec 2023 01:14 am
Operator : taylors
Sample : ic0124-20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:48:51 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	152011	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	756484	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.721	117	723333	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	152011	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.153	95	561644	10.03	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	168364	18.51	PPBV		99
4) CHLORODIFLUOROMETHANE	1.753	67	74819	18.80	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.765	116	336897	17.94	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.783	85	586320	18.17	PPBV		99
7) PROPYLENE	1.759	41	152782	17.42	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	388506	18.22	PPBV	#	100
9) FREON 114	1.856	85	440637	18.17	PPBV		99
10) CHLOROMETHANE	1.826	52	29467	17.81	PPBV		99
11) VINYL CHLORIDE	1.893	62	133511	18.15	PPBV		99
12) 1,3-BUTADIENE	1.930	54	89976	17.72	PPBV		99
13) N-BUTANE	1.948	43	144053	17.45	PPBV		99
14) BROMOMETHANE	2.015	94	141216	18.46	PPBV		99
15) CHLOROETHANE	2.064	64	73065	18.21	PPBV		99
16) DICHLOROFLUOROMETHANE	2.088	67	352568	18.11	PPBV		100
17) ACETONITRILE	2.161	41	81650	17.48	PPBV		99
18) ACROLEIN	2.204	56	58511	17.82	PPBV		97
19) FREON 123	2.216	83	350831	18.09	PPBV		100
20) FREON 123A	2.234	117	232932	18.41	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.307	101	547043	18.46	PPBV		99
22) ISOPROPYL ALCOHOL	2.320	45	232860	17.91	PPBV		100
23) ACETONE	2.240	58	61631	17.75	PPBV		99
24) PENTANE	2.423	42	98564	17.70	PPBV		98
25) IODOMETHANE	2.484	142	418222	18.59	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.515	96	145114	18.51	PPBV		98
27) CARBON DISULFIDE	2.655	76	314798	18.60	PPBV	#	100
28) ETHANOL	2.094	45	48699	17.33	PPBV		99
29) BROMOETHENE	2.167	106	147845	18.40	PPBV		99
30) ACRYLONITRILE	2.393	52	85076	18.31	PPBV		99
31) METHYLENE CHLORIDE	2.551	84	124844	18.35	PPBV		99
32) 3-CHLOROPROPENE	2.594	76	65211	18.91	PPBV		97
33) FREON 113	2.655	151	290471	18.48	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.905	96	254783	18.72	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.527	59	315326	18.41	PPBV		98
36) METHYL TERTIARY BUTYL ...	3.027	73	758847	19.00	PPBV		100
37) TETRAHYDROFURAN	3.783	72	130112	18.60	PPBV		97
38) HEXANE	3.533	57	386158	16.92	PPBV		100
39) VINYL ACETATE	3.070	86	72457	19.05	PPBV		96
40) 1,1-DICHLOROETHANE	2.990	63	477338	18.54	PPBV		100
41) METHYL ETHYL KETONE	3.173	72	136320	18.61	PPBV		94
42) CIS-1,2-DICHLOROETHENE	3.393	96	296647	18.53	PPBV		100
43) DIISOPROPYL ETHER	3.539	59	117589	17.08	PPBV		93
44) ETHYL ACETATE	3.545	61	72739	16.80	PPBV		98
45) METHYL ACRYLATE	3.527	55	486723	17.39	PPBV	#	99
46) CHLOROFORM	3.557	83	558000	18.36	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.100	57	536560	18.19	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.185	97	608682	19.17	PPBV		99
49) CARBON TETRACHLORIDE	4.642	117	623195	19.22	PPBV		99
50) 1,2-DICHLOROETHANE	4.008	62	421542	18.77	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03121.D
Acq On : 20 Dec 2023 01:14 am
Operator : taylors
Sample : ic0124-20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:48:51 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.520	78	815482	18.58	PPBV	99
53)	CYCLOHEXANE	4.746	84	379166	18.97	PPBV	99
54)	2,3-DIMETHYLPENTANE	5.027	71	189090	18.80	PPBV	98
55)	TRICHLOROETHENE	5.490	95	391804	19.18	PPBV	99
56)	1,2-DICHLOROPROPANE	5.240	63	323453	19.50	PPBV	99
57)	DIBROMOMETHANE	5.197	174	353744	18.96	PPBV	100
58)	ETHYL ACRYLATE	5.368	55	694682	19.61	PPBV	100
59)	BROMODICHLOROMETHANE	5.435	83	644450	19.56	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.593	57	1433521	18.72	PPBV	100
61)	1,4-DIOXANE	5.502	88	202249	18.82	PPBV	100
62)	HEPTANE	5.929	43	448051	18.72	PPBV	99
63)	METHYL METHACRYLATE	5.819	69	317276	19.64	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.593	58	281531	19.34	PPBV	98
65)	CIS-1,3-DICHLOROPROPENE	6.490	75	483776	20.33	PPBV	99
66)	TOLUENE	7.758	91	1063299	19.41	PPBV	100
67)	1,3-DICHLOROPROPANE	7.819	76	523624	19.61	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	7.203	75	441881	21.01	PPBV	99
69)	1,1,2-TRICHLOROETHANE	7.374	83	307683	20.10	PPBV	99
70)	2-HEXANONE	8.349	58	380026	19.55	PPBV	98
71)	ETHYL METHACRYLATE	8.489	69	522107	20.18	PPBV	99
72)	TETRACHLOROETHENE	9.562	164	431086	19.58	PPBV	100
73)	DIBROMOCHLOROMETHANE	8.319	129	656480	20.48	PPBV	100
74)	1,2-DIBROMOETHANE	8.678	107	584568	19.99	PPBV	100
75)	OCTANE	9.709	43	639518	19.62	PPBV	99
77)	1,1,1,2-TETRACHLOROETHANE	10.818	131	457296	18.99	PPBV	99
78)	CHLOROBENZENE	10.806	112	859899	18.28	PPBV	100
79)	ETHYLBENZENE	11.708	91	1464312	18.64	PPBV	99
80)	M,P-XYLENE	12.147	91	2278034	37.23	PPBV	94
81)	O-XYLENE	13.098	91	1127899	18.25	PPBV	99
82)	STYRENE	12.879	104	882333	18.58	PPBV	100
83)	NONANE	14.226	43	665634	17.93	PPBV	99
84)	BROMOFORM	11.958	173	633163	20.02	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	13.110	83	764548	18.04	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	13.397	75	636062	18.51	PPBV	100
88)	ISOPROPYLBENZENE	14.635	120	423877	18.36	PPBV	99
89)	BROMOBENZENE	14.507	77	802551	18.69	PPBV	99
90)	2-CHLOROTOLUENE	15.659	126	394869	18.73	PPBV	99
91)	N-PROPYLBENZENE	15.976	120	442409	18.41	PPBV	100
92)	4-ETHYLTOLUENE	16.268	105	1615436	18.31	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.403	105	1350546	18.33	PPBV	99
94)	ALPHA-METHYLSTYRENE	16.585	118	654533	18.14	PPBV	99
95)	TERT-BUTYLBENZENE	16.829	134	279832	17.68	PPBV	100
96)	1,2,4-TRIMETHYLBENZENE	16.835	105	1253558	17.82	PPBV	99
97)	BENZYL CHLORIDE	16.909	91	799762	22.35	PPBV	100
98)	M-DICHLOROBENZENE	16.890	146	849621	17.95	PPBV	99
99)	P-DICHLOROBENZENE	16.963	146	854191	17.90	PPBV	99
100)	O-DICHLOROBENZENE	17.238	146	766882	17.50	PPBV	100
101)	SEC-BUTYLBENZENE	17.085	134	358808	17.67	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	1324930	18.20	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.250	134	374567	17.39	PPBV	100
104)	N-BUTYLBENZENE	17.567	134	379118	17.85	PPBV	98
105)	HEXACHLOROETHANE	17.732	117	460831	19.04	PPBV	99
106)	HEXACHLOROBUTADIENE	18.670	225	743609	19.64	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.396	180	847991	19.07	PPBV	100
108)	NAPHTHALENE	18.439	128	1907174	18.83	PPBV	99
110)	TVHC as equiv Pentane	2.423	TIC	542682m	12.35	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
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Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:48:51 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03121.D
Acq On : 20 Dec 2023 01:14 am
Operator : taylors
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Misc : MS75442,V8W0124,,,,,1
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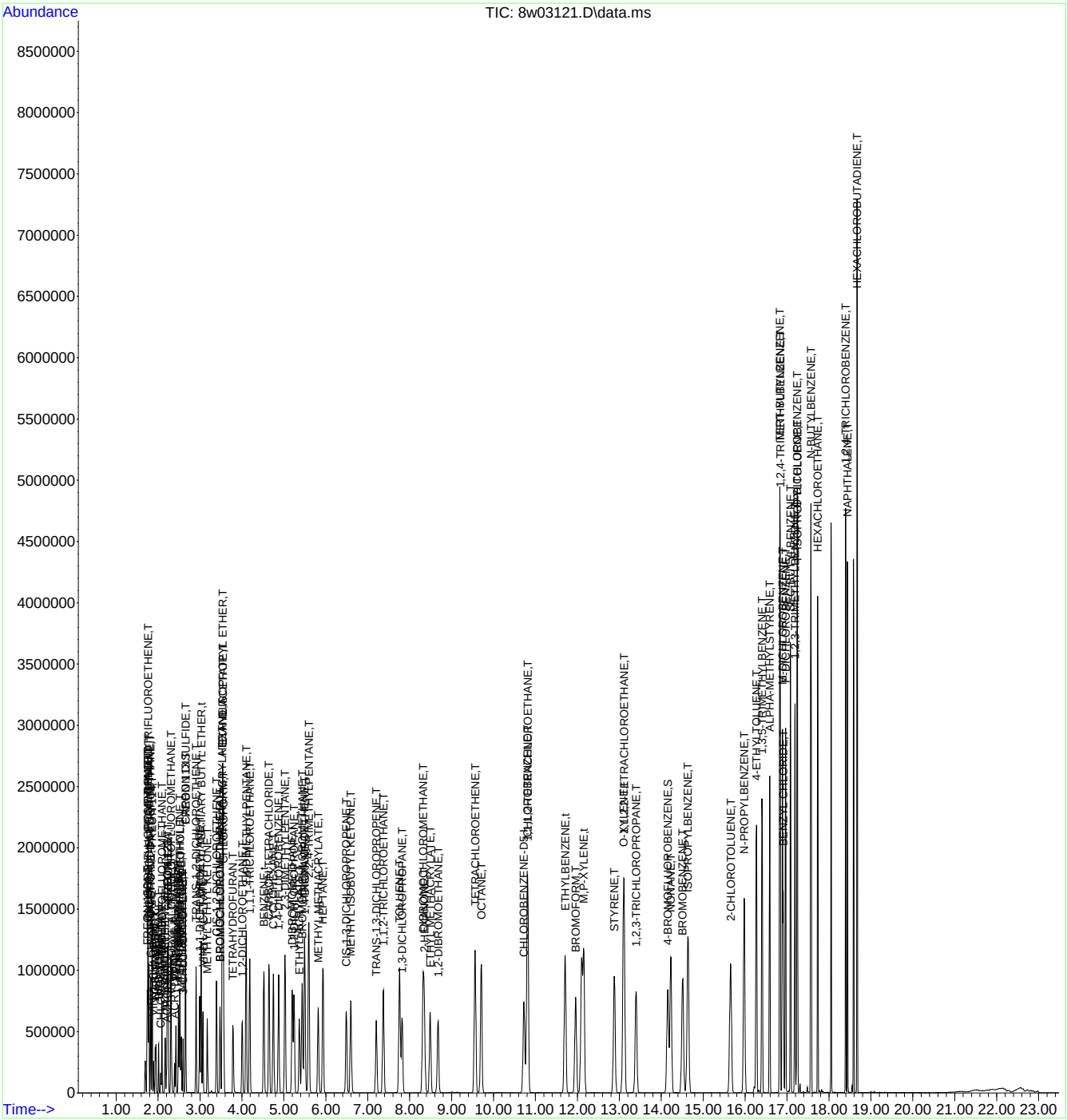
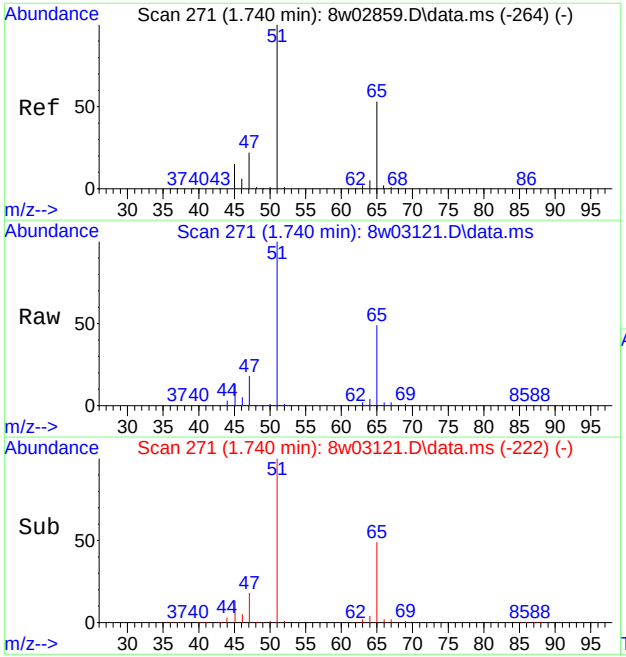
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

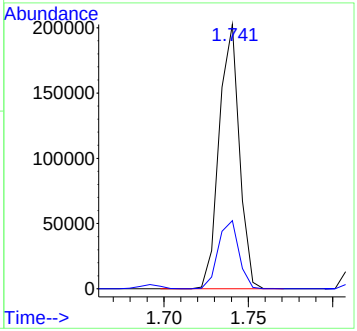


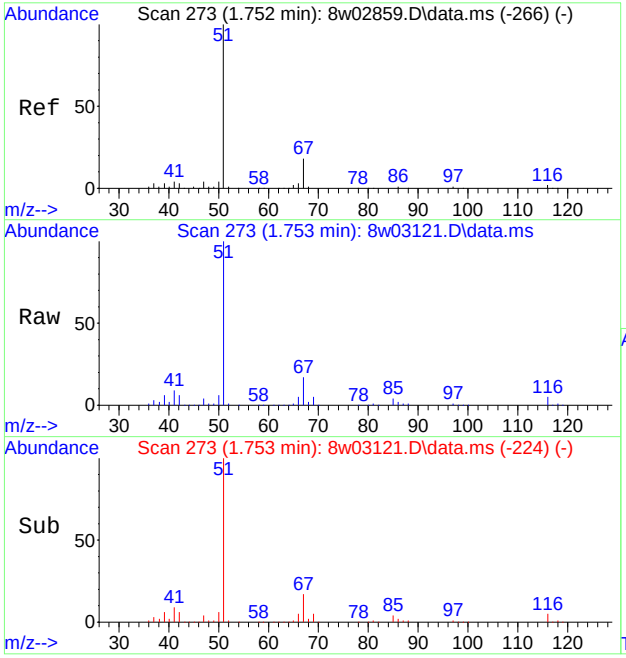


#3
FREON 152A
Concen: 18.51 PPBV
RT: 1.740 min Scan# 271
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 65 Resp: 168364

Ion	Ratio	Lower	Upper
65	100		
45	26.6	21.5	32.3

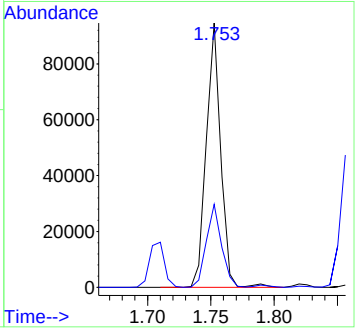


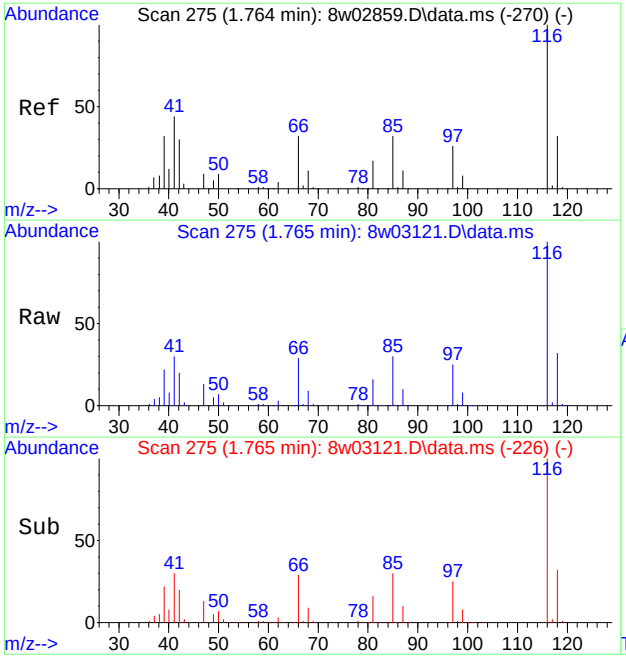


#4
CHLORODIFLUOROMETHANE
Concen: 18.80 PPBV
RT: 1.753 min Scan# 273
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 67 Resp: 74819

Ion	Ratio	Lower	Upper
67	100		
69	34.1	27.3	40.9

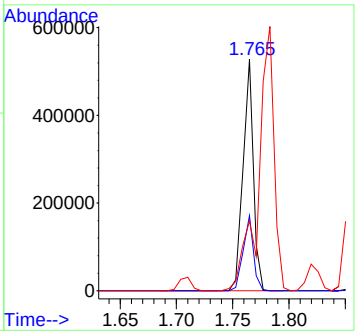


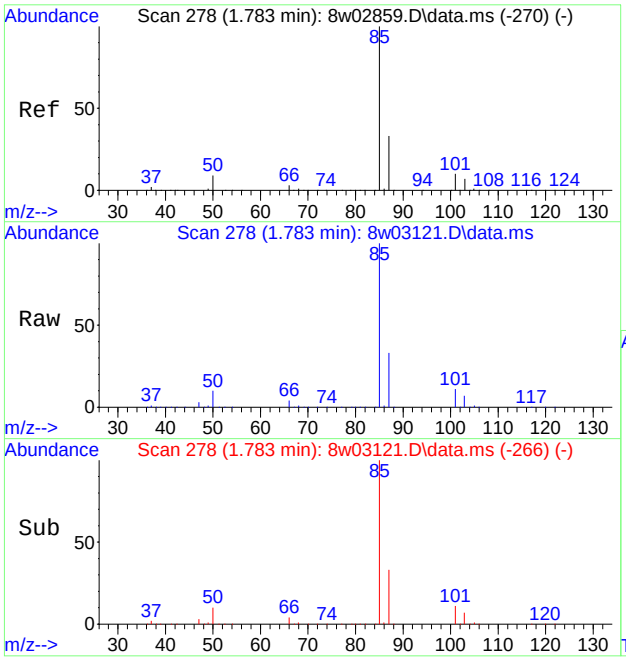


#5
CHLOROTRIFLUOROETHENE
Concen: 17.94 PPBV
RT: 1.765 min Scan# 275
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:116 Resp: 336897

Ion	Ratio	Lower	Upper
116	100		
118	32.4	26.1	39.1
85	174.0	137.4	206.2

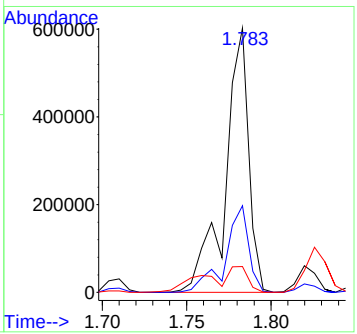


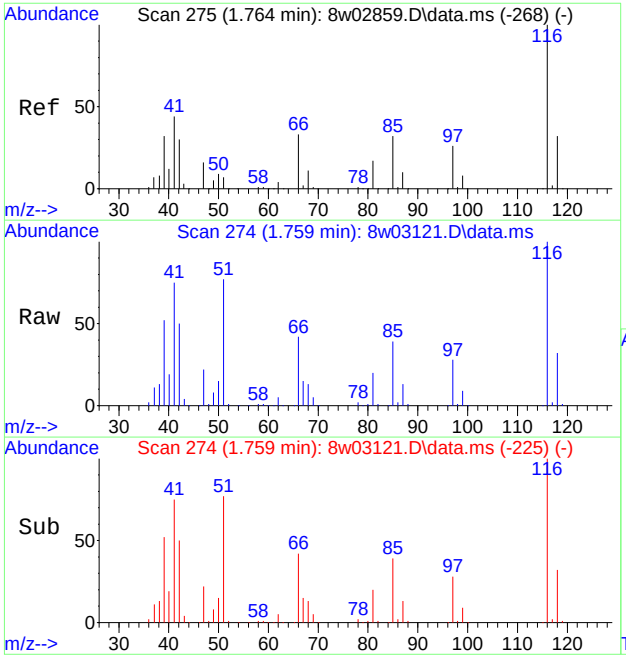


#6
DICHLORODIFLUOROMETHANE
Concen: 18.17 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 85 Resp: 586320

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.3	39.5
50	17.0	13.8	20.6

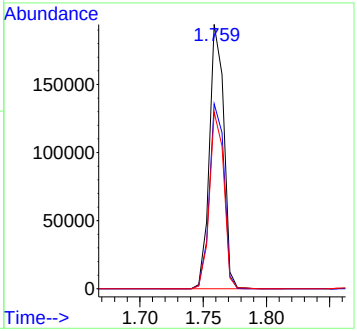


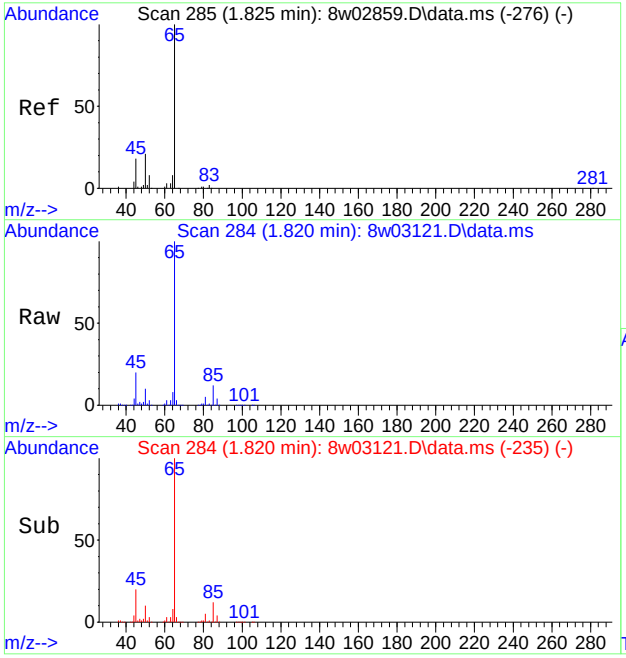


#7
PROPYLENE
Concen: 17.42 PPBV
RT: 1.759 min Scan# 274
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 41 Resp: 152782

Ion	Ratio	Lower	Upper
41	100		
39	71.2	55.8	83.6
42	66.6	53.8	80.6

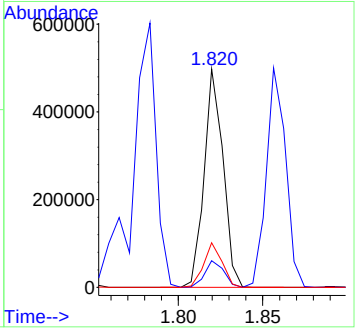


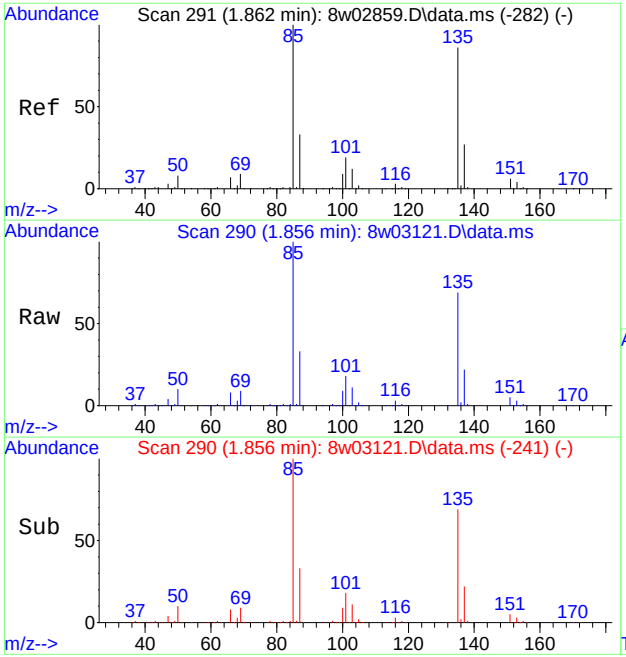


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 18.22 PPBV
RT: 1.820 min Scan# 284
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 65 Resp: 388506

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	20.0	15.9	23.9

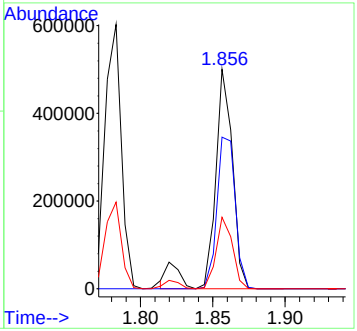


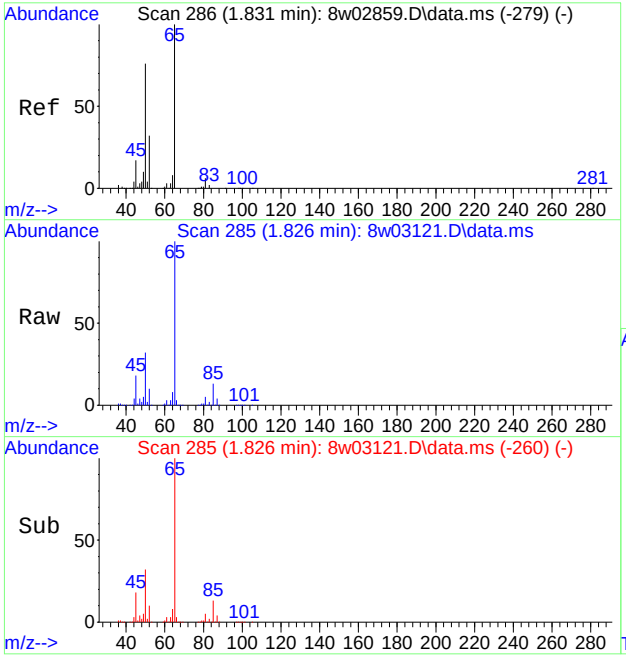


#9
FREON 114
Concen: 18.17 PPBV
RT: 1.856 min Scan# 290
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 85 Resp: 440637

Ion	Ratio	Lower	Upper
85	100		
135	69.8	54.9	82.3
87	32.5	25.8	38.8

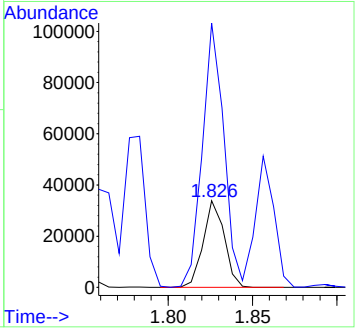


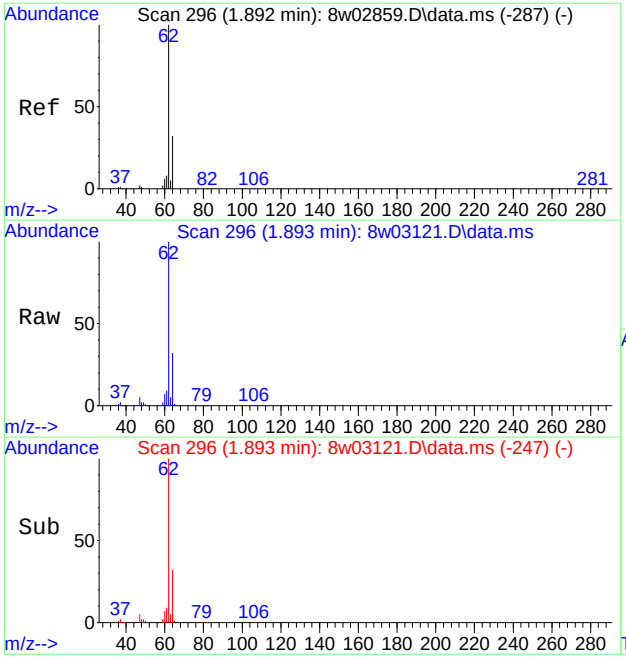


#10
CHLOROMETHANE
Concen: 17.81 PPBV
RT: 1.826 min Scan# 285
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 52 Resp: 29467

Ion	Ratio	Lower	Upper
52	100		
50	445.4	358.1	537.1

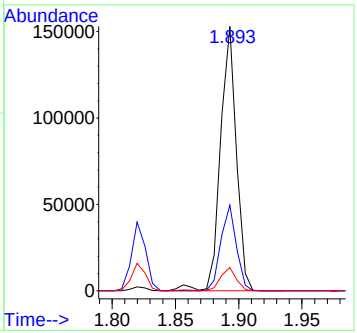


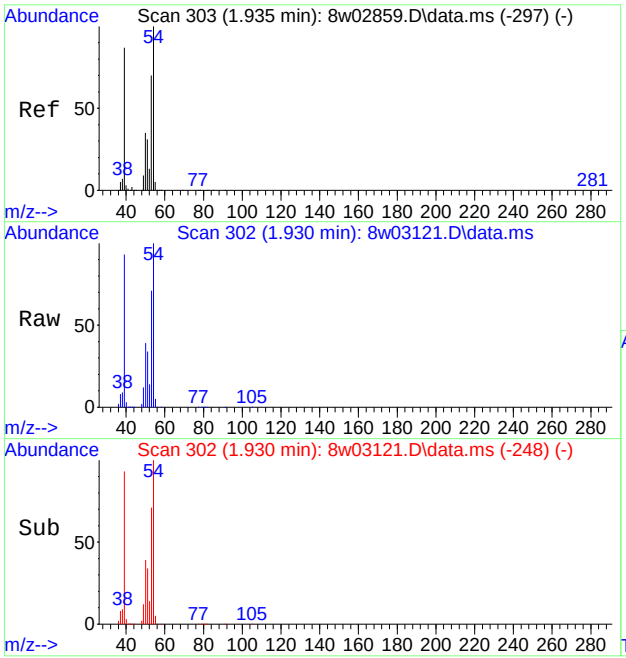


#11
VINYL CHLORIDE
Concen: 18.15 PPBV
RT: 1.893 min Scan# 296
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 62 Resp: 133511

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.9	37.3
61	8.8	7.0	10.4

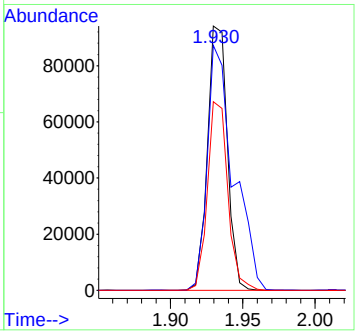


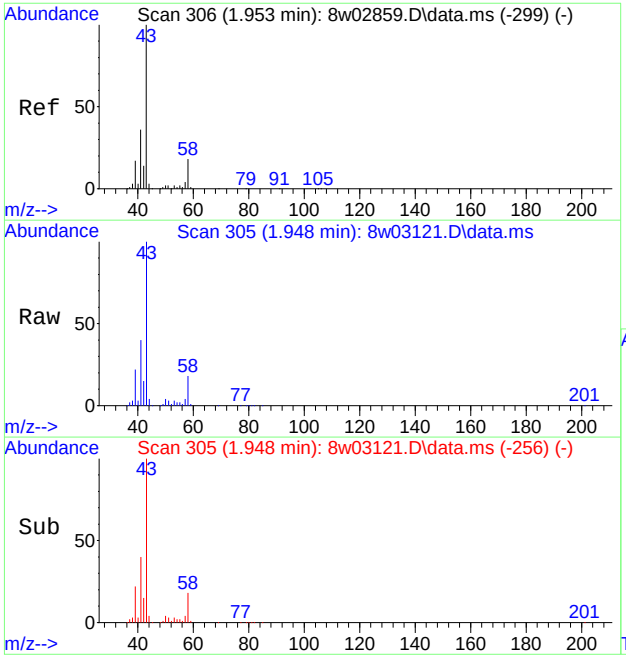


#12
1,3-BUTADIENE
Concen: 17.72 PPBV
RT: 1.930 min Scan# 302
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 54 Resp: 89976

Ion	Ratio	Lower	Upper
54	100		
39	123.0	101.6	141.6
53	73.3	51.8	91.8

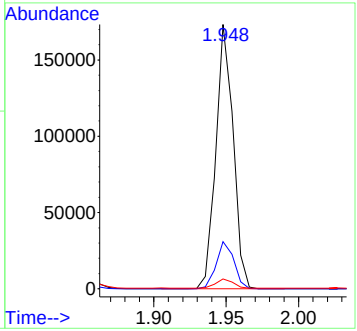


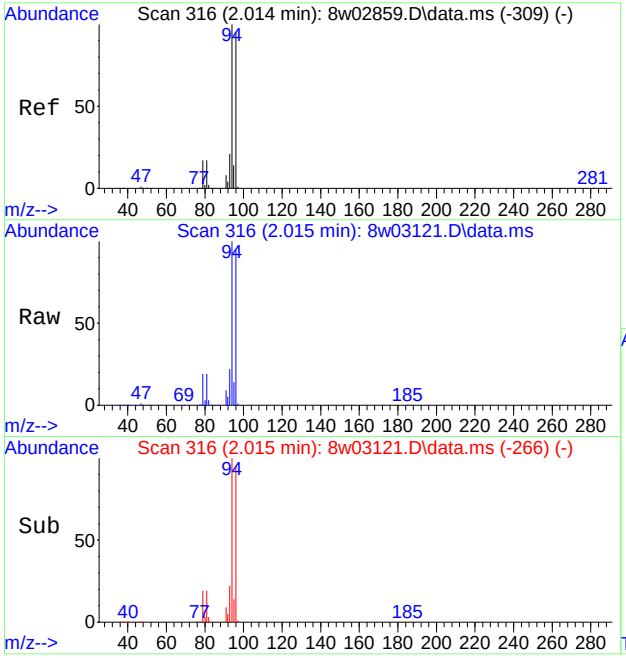


#13
N-BUTANE
Concen: 17.45 PPBV
RT: 1.948 min Scan# 305
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 43 Resp: 144053

Ion	Ratio	Lower	Upper
43	100		
58	18.3	14.2	21.4
44	3.6	2.9	4.3

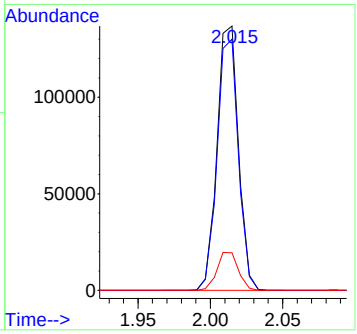


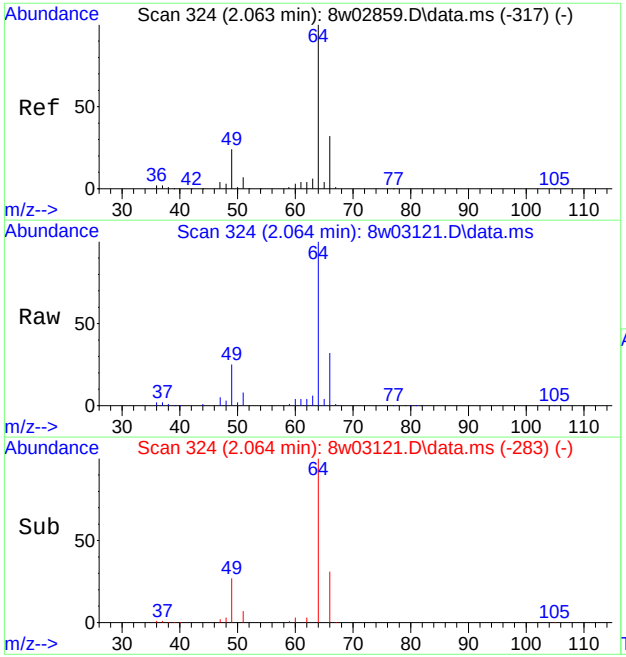


#14
BROMOMETHANE
Concen: 18.46 PPBV
RT: 2.015 min Scan# 316
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 94 Resp: 141216

Ion	Ratio	Lower	Upper
94	100		
96	94.2	76.0	114.0
95	14.4	11.5	17.3

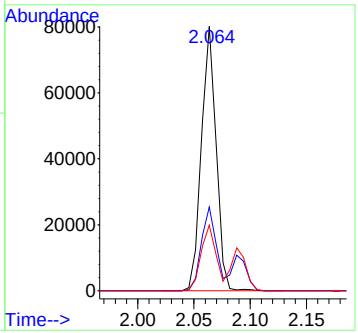


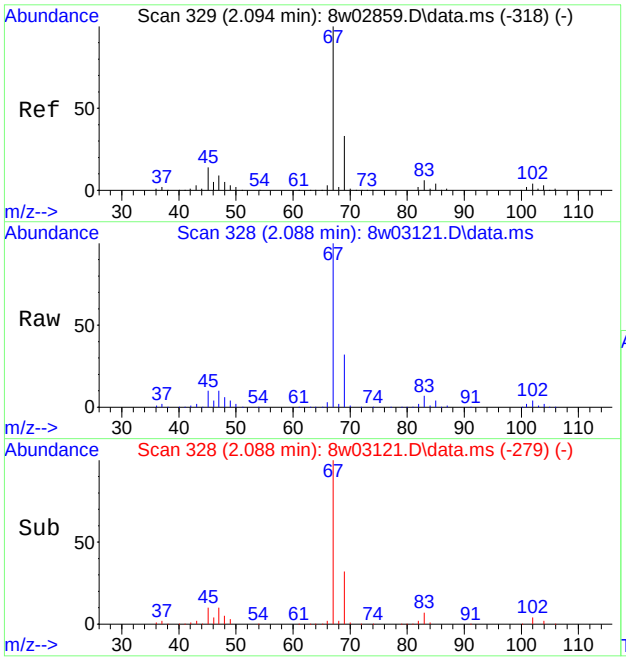


#15
CHLOROETHANE
Concen: 18.21 PPBV
RT: 2.064 min Scan# 324
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 64 Resp: 73065

Ion	Ratio	Lower	Upper
64	100		
66	45.9	36.3	54.5
49	41.7	33.8	50.8

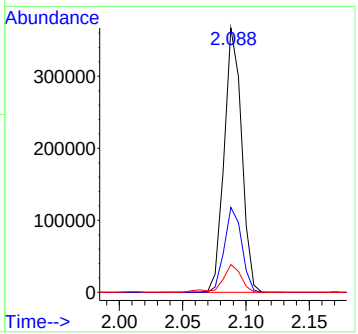


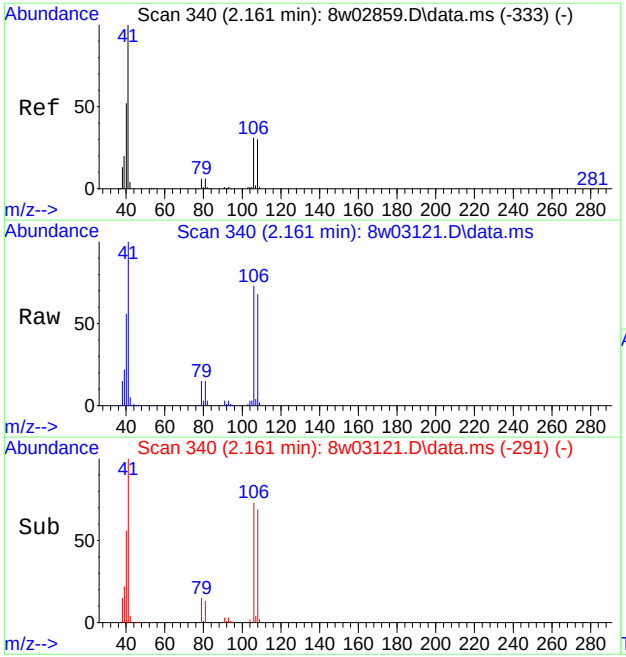


#16
DICHLOROFLUOROMETHANE
Concen: 18.11 PPBV
RT: 2.088 min Scan# 328
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 67 Resp: 352568

Ion	Ratio	Lower	Upper
67	100		
69	32.0	25.7	38.5
47	11.1	8.7	13.1

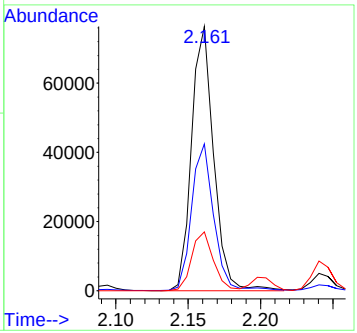


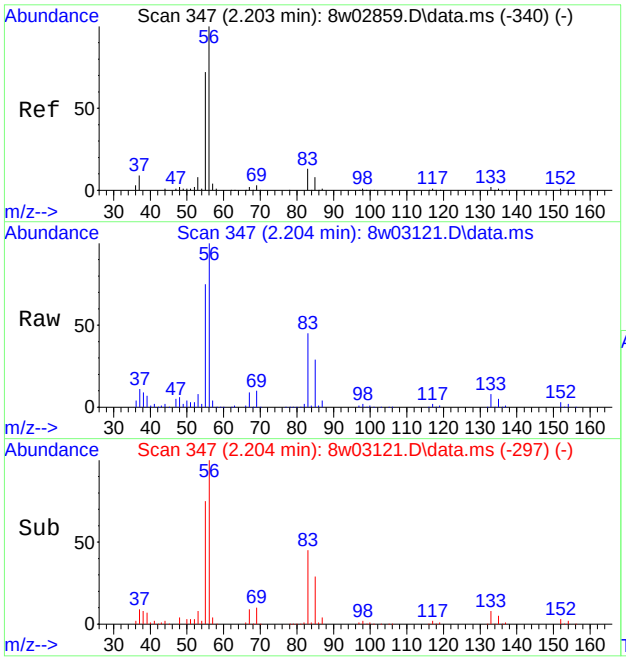


#17
ACETONITRILE
Concen: 17.48 PPBV
RT: 2.161 min Scan# 340
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 41 Resp: 81650

Ion	Ratio	Lower	Upper
41	100		
40	54.9	43.3	64.9
39	22.8	17.8	26.6

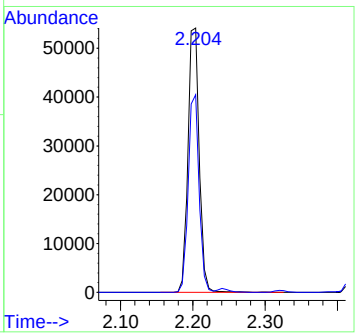


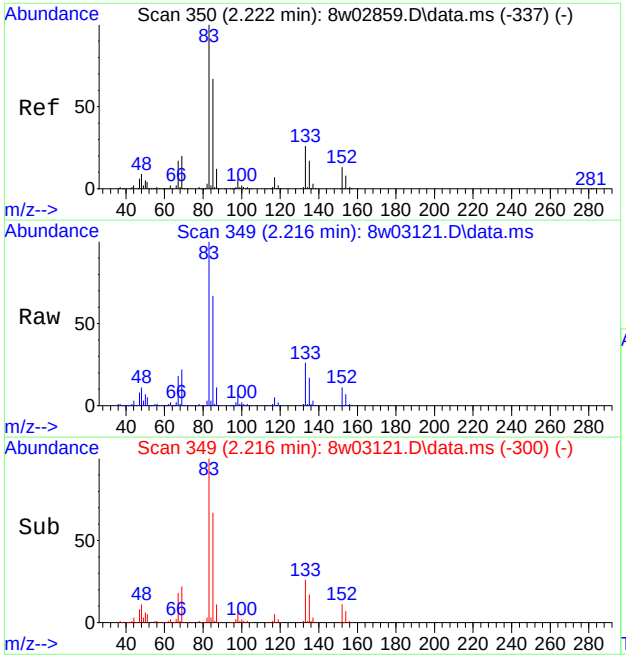


#18
ACROLEIN
Concen: 17.82 PPBV
RT: 2.204 min Scan# 347
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 56 Resp: 58511

Ion	Ratio	Lower	Upper
56	100		
55	73.8	57.2	85.8

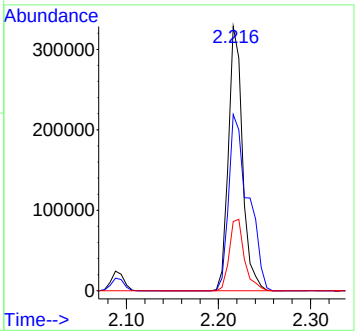


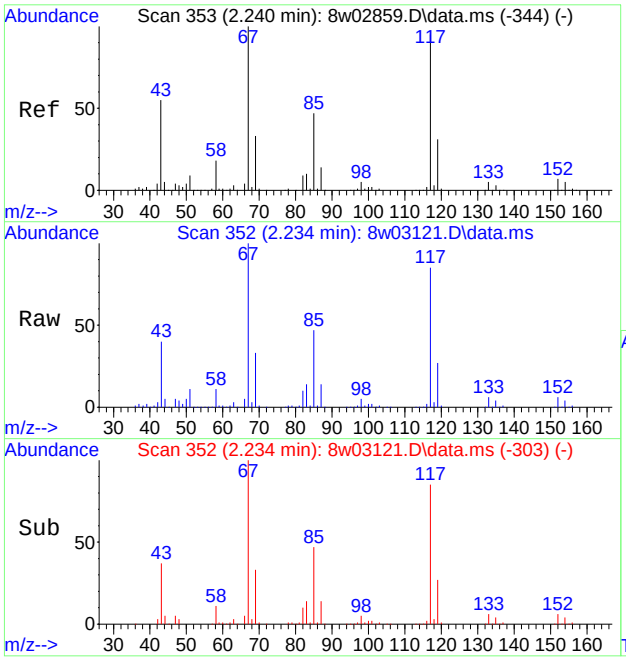


#19
FREON 123
Concen: 18.09 PPBV
RT: 2.216 min Scan# 349
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 83 Resp: 350831

Ion	Ratio	Lower	Upper
83	100		
85	92.2	73.7	110.5
133	29.1	22.6	34.0

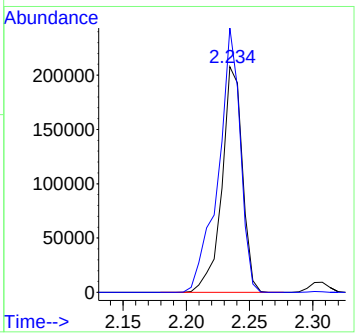


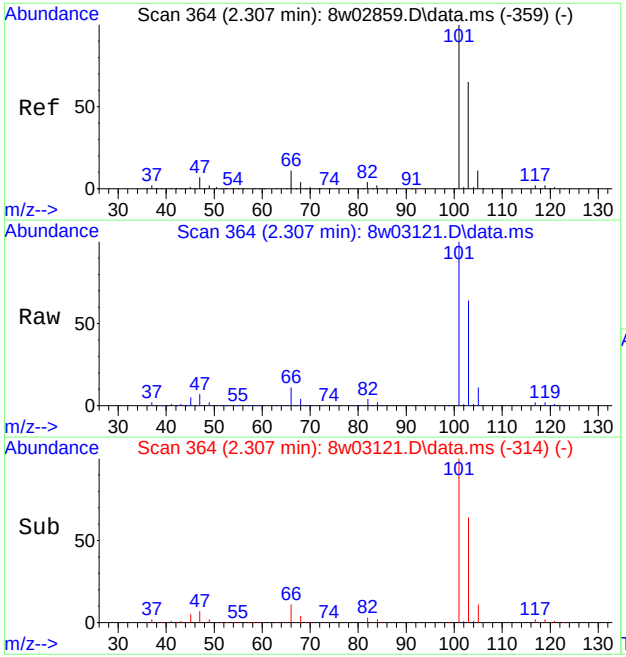


#20
FREON 123A
Concen: 18.41 PPBV
RT: 2.234 min Scan# 352
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:117 Resp: 232932

Ion	Ratio	Lower	Upper
117	100		
67	126.1	103.7	155.5

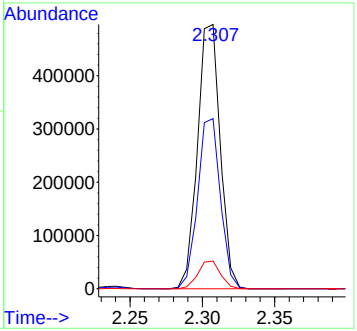


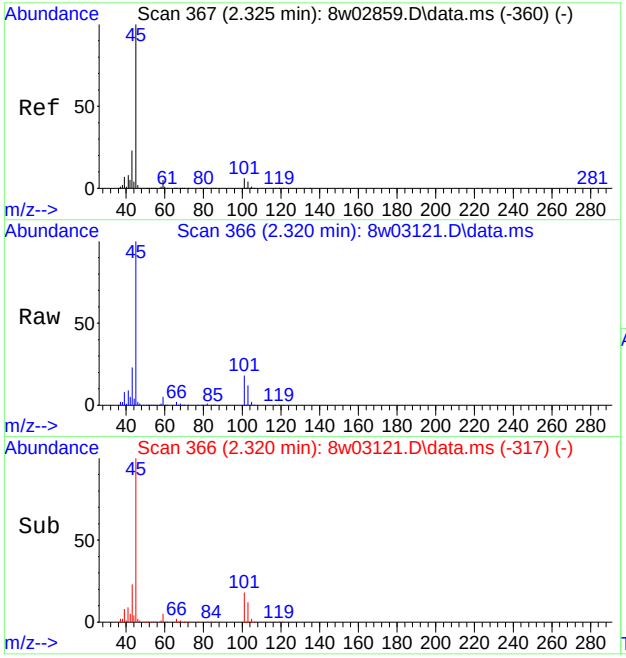


#21
TRICHLOROFLUOROMETHANE
Concen: 18.46 PPBV
RT: 2.307 min Scan# 364
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:101 Resp: 547043

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.0	78.0
105	10.5	8.3	12.5

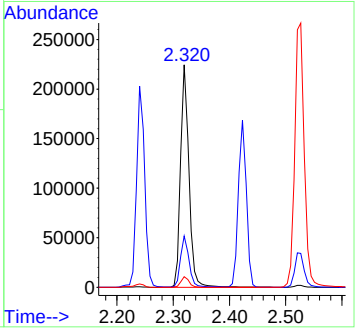


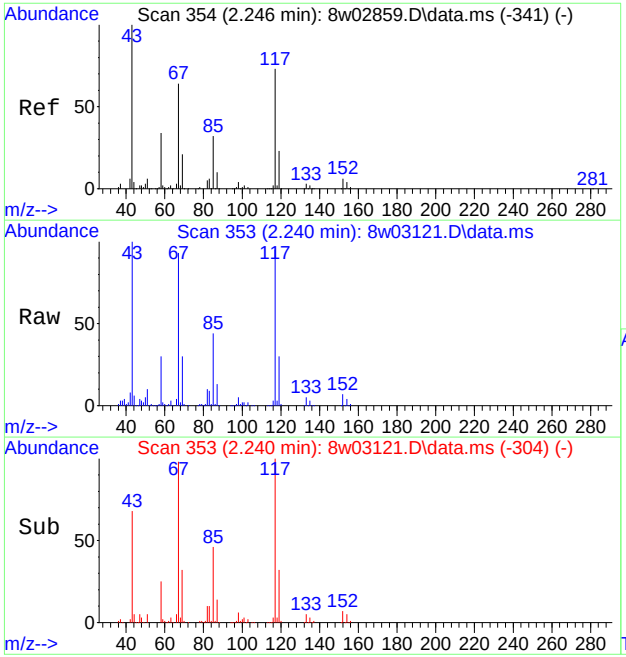


#22
ISOPROPYL ALCOHOL
Concen: 17.91 PPBV
RT: 2.320 min Scan# 366
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 45 Resp: 232860

Ion	Ratio	Lower	Upper
45	100		
43	23.3	18.8	28.2
59	4.9	3.8	5.6

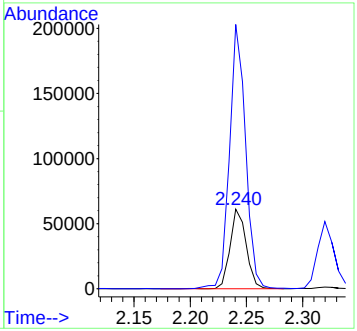


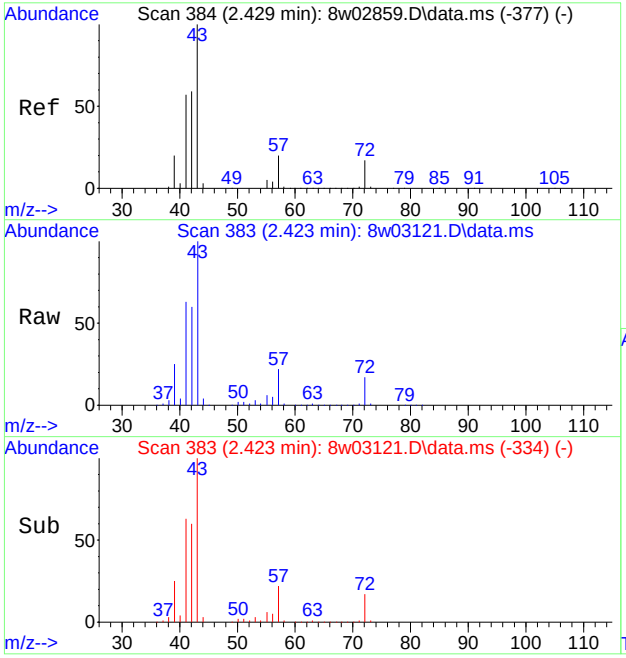


#23
ACETONE
Concen: 17.75 PPBV
RT: 2.240 min Scan# 353
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 58 Resp: 61631

Ion	Ratio	Lower	Upper
58	100		
43	328.6	261.4	392.2

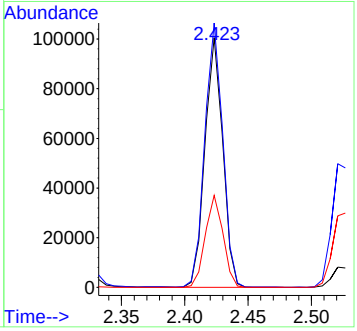


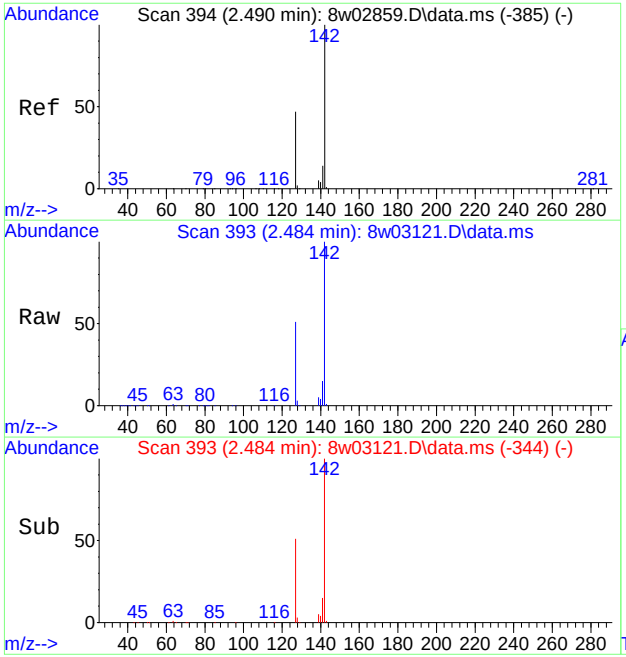


#24
PENTANE
Concen: 17.70 PPBV
RT: 2.423 min Scan# 383
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 42 Resp: 98564

Ion	Ratio	Lower	Upper
42	100		
41	107.1	84.2	126.4
57	36.7	28.9	43.3

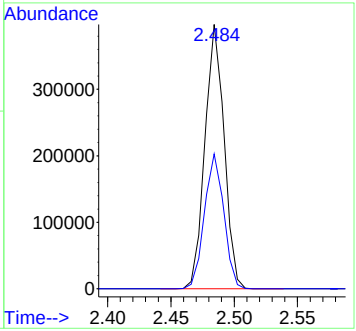


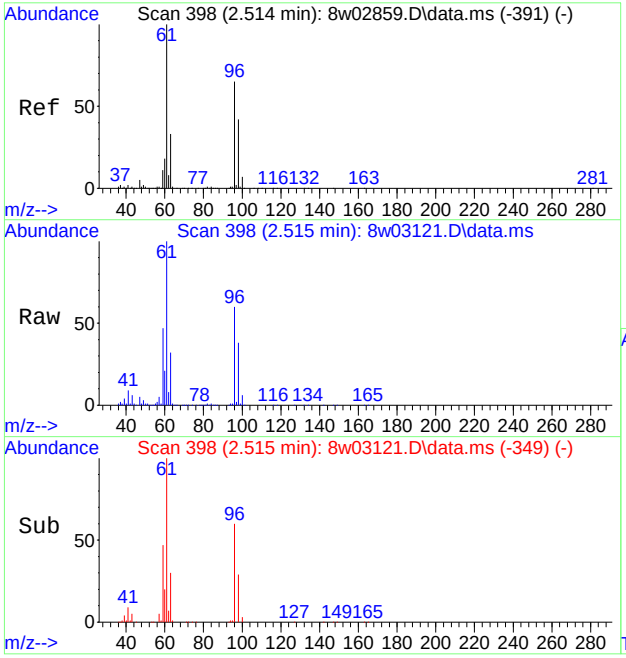


#25
IODOMETHANE
Concen: 18.59 PPBV
RT: 2.484 min Scan# 393
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:142 Resp: 418222

Ion	Ratio	Lower	Upper
142	100		
127	51.5	41.2	61.8

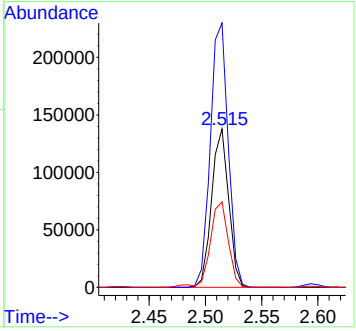


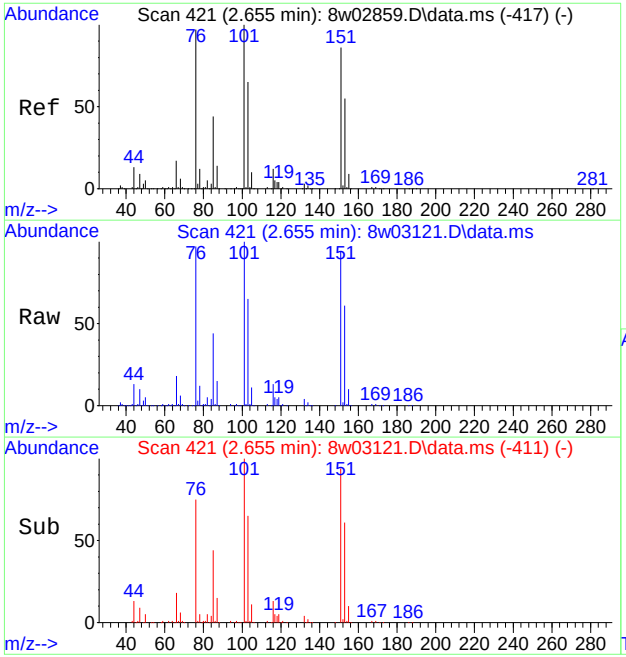


#26
1,1-DICHLOROETHYLENE
Concen: 18.51 PPBV
RT: 2.515 min Scan# 398
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 96 Resp: 145114

Ion	Ratio	Lower	Upper
96	100		
61	174.6	141.9	212.9
63	57.4	47.2	70.8

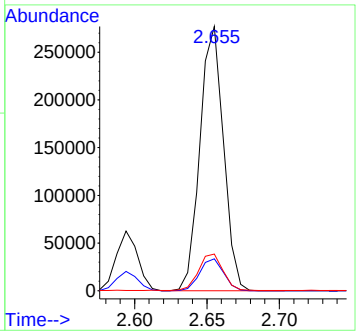


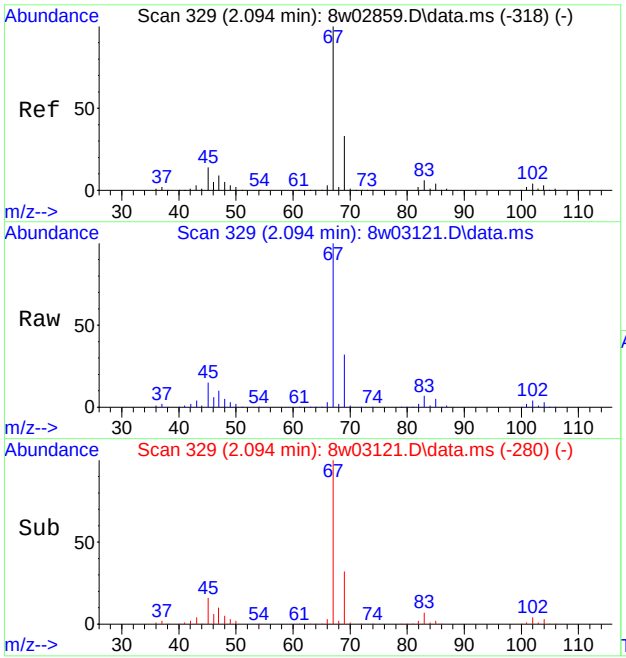


#27
CARBON DISULFIDE
Concen: 18.60 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 76 Resp: 314798

Ion	Ratio	Lower	Upper
76	100		
78	12.3	0.0	0.0#
44	14.1	0.0	0.0#

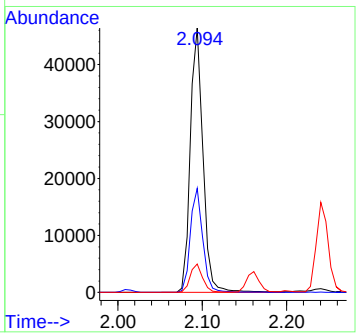


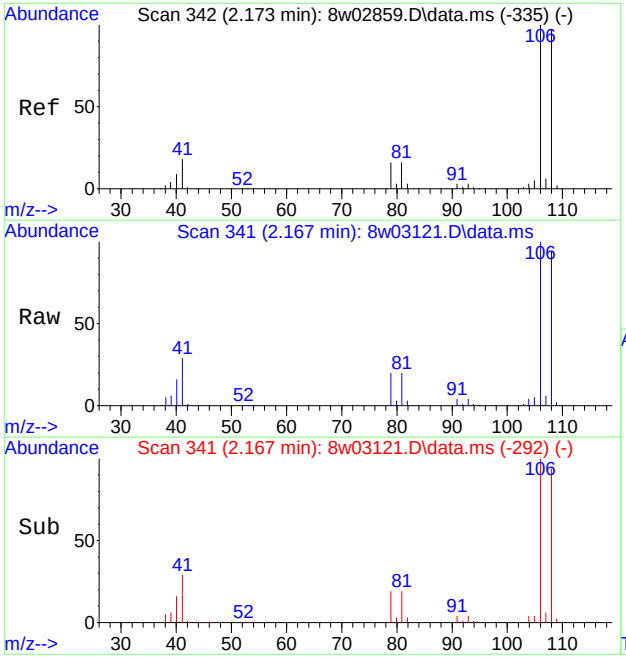


#28
ETHANOL
Concen: 17.33 PPBV
RT: 2.094 min Scan# 329
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 45 Resp: 48699

Ion	Ratio	Lower	Upper
45	100		
46	38.6	30.1	45.1
42	10.6	8.3	12.5

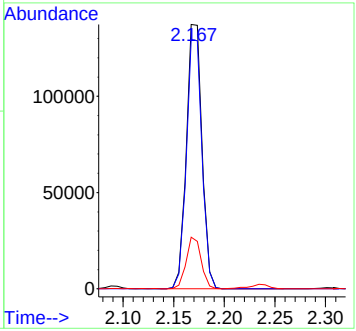


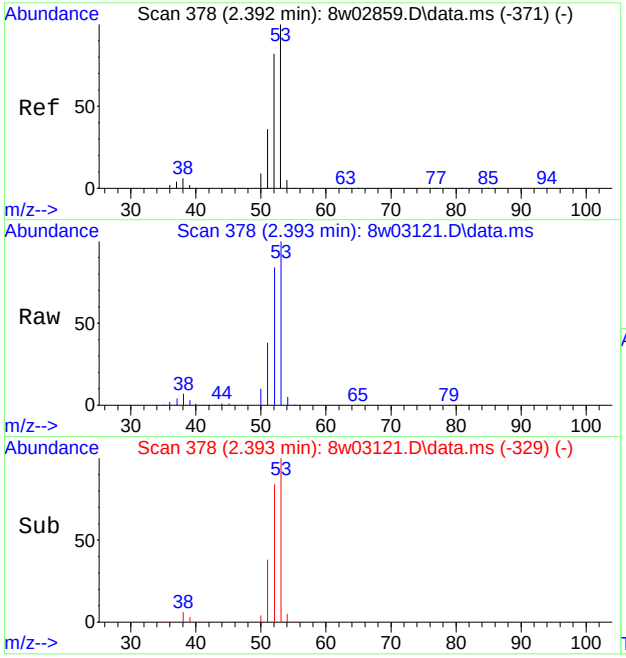


#29
BROMOETHENE
Concen: 18.40 PPBV
RT: 2.167 min Scan# 341
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:106 Resp: 147845

Ion	Ratio	Lower	Upper
106	100		
108	94.1	74.6	111.8
81	18.6	14.5	21.7

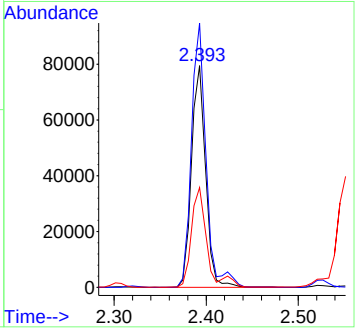


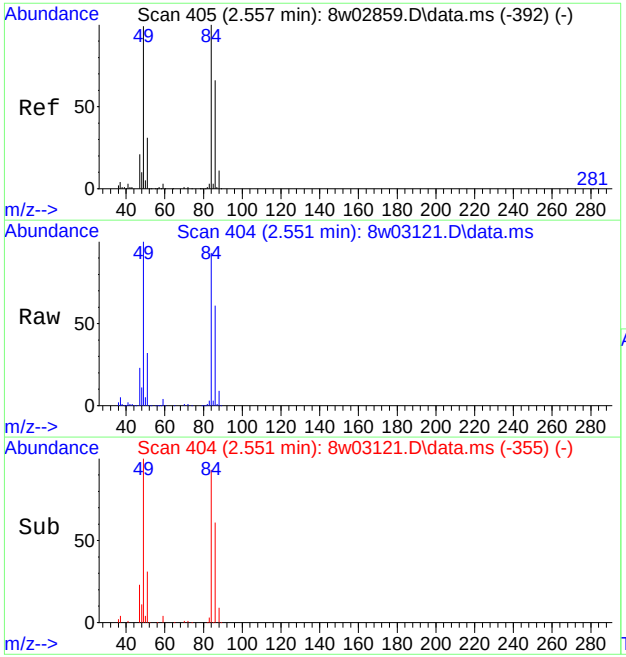


#30
ACRYLONITRILE
Concen: 18.31 PPBV
RT: 2.393 min Scan# 378
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 52 Resp: 85076

Ion	Ratio	Lower	Upper
52	100		
53	123.1	99.6	149.4
51	49.3	40.1	60.1

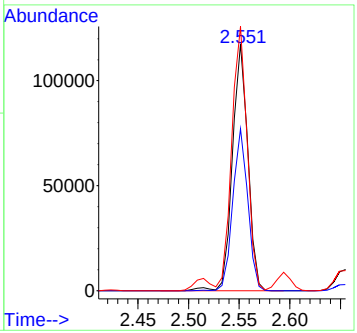


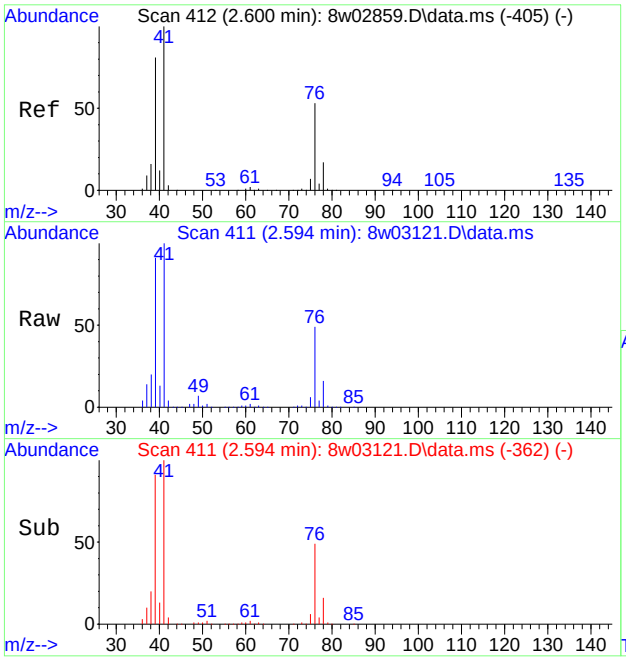


#31
METHYLENE CHLORIDE
Concen: 18.35 PPBV
RT: 2.551 min Scan# 404
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 84 Resp: 124844

Ion	Ratio	Lower	Upper
84	100		
86	63.9	51.0	76.4
49	113.2	92.1	138.1

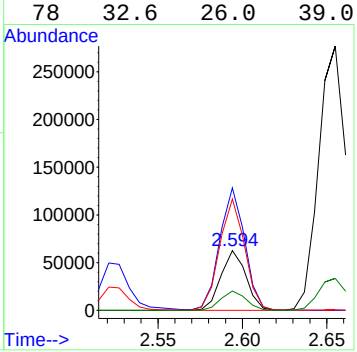


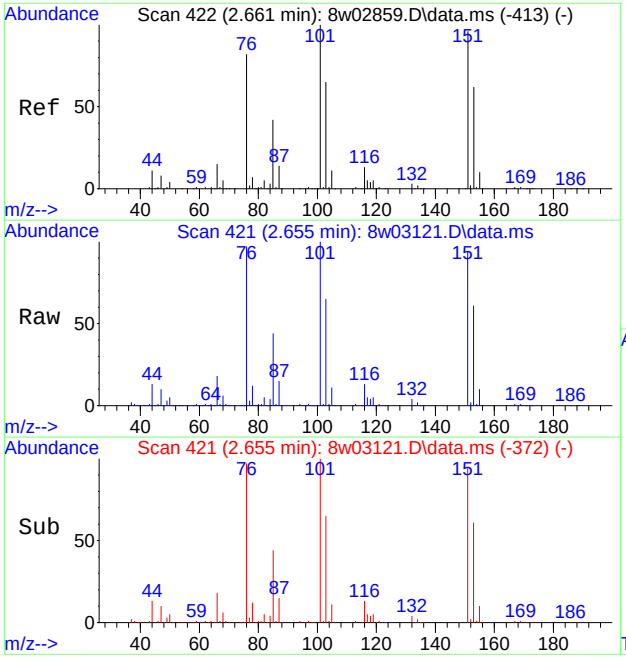


#32
3-CHLOROPROPENE
Concen: 18.91 PPBV
RT: 2.594 min Scan# 411
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 76 Resp: 65211

Ion	Ratio	Lower	Upper
76	100		
41	204.8	170.6	256.0
39	186.0	151.0	226.4
78	32.6	26.0	39.0

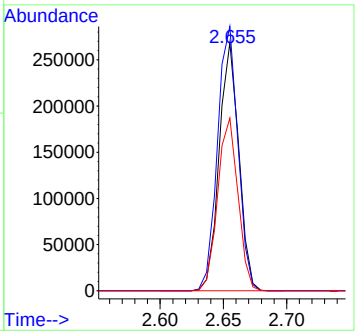


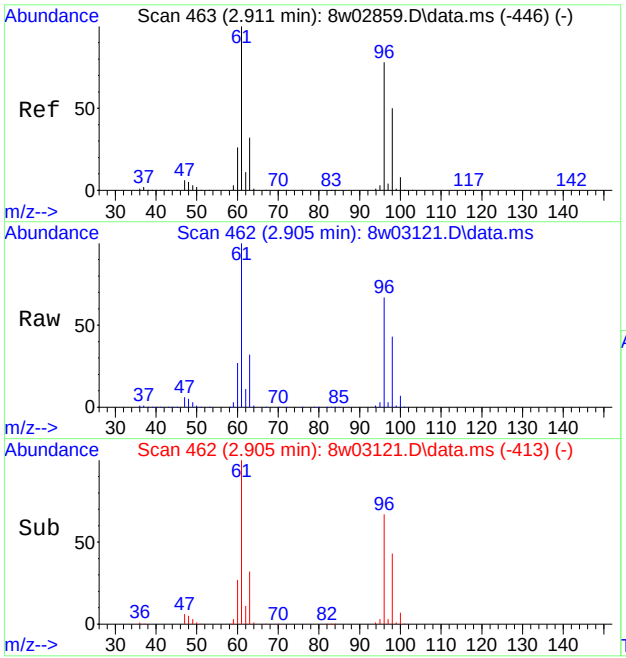


#33
FREON 113
Concen: 18.48 PPBV
RT: 2.655 min Scan# 421
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:151 Resp: 290471

Ion	Ratio	Lower	Upper
151	100		
101	110.8	89.6	134.4
103	71.8	58.4	87.6

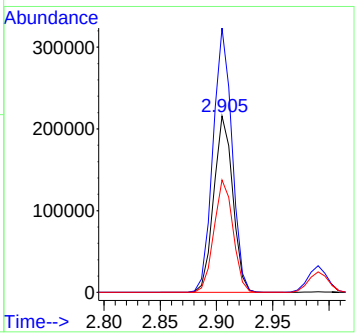


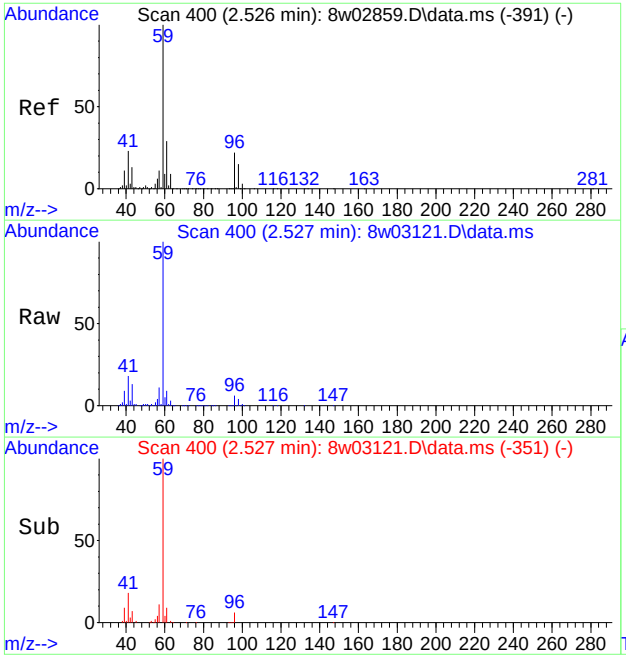


#34
TRANS-1,2-DICHLOROETHENE
Concen: 18.72 PPBV
RT: 2.905 min Scan# 462
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 96 Resp: 254783

Ion	Ratio	Lower	Upper
96	100		
61	148.8	120.8	181.2
98	63.9	51.0	76.4

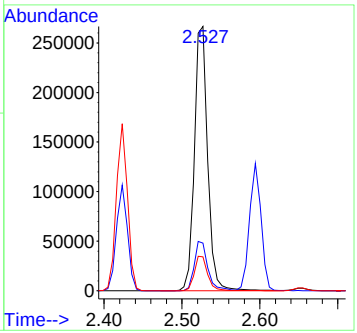


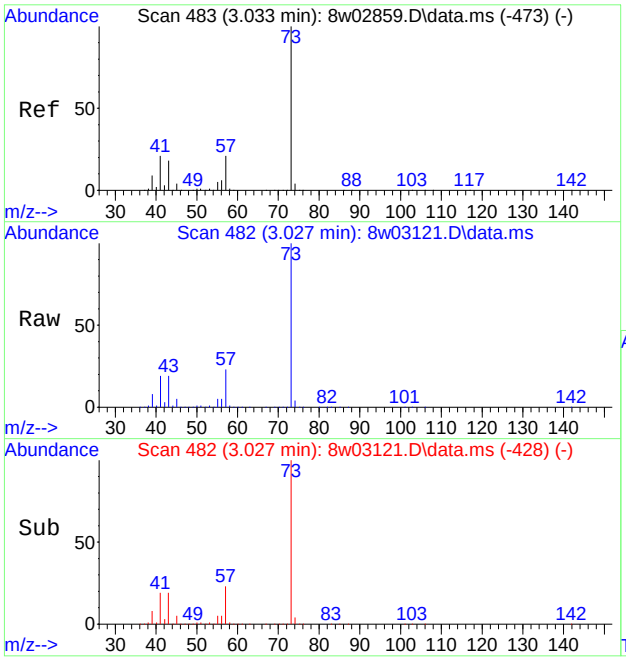


#35
TERTIARY BUTYL ALCOHOL
Concen: 18.41 PPBV
RT: 2.527 min Scan# 400
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 59 Resp: 315326

Ion	Ratio	Lower	Upper
59	100		
41	18.9	16.1	24.1
43	12.9	10.2	15.4

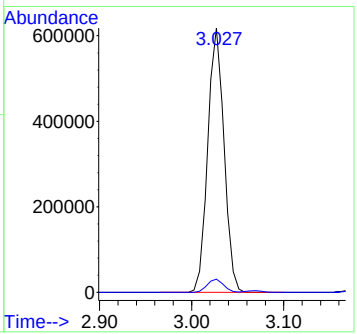


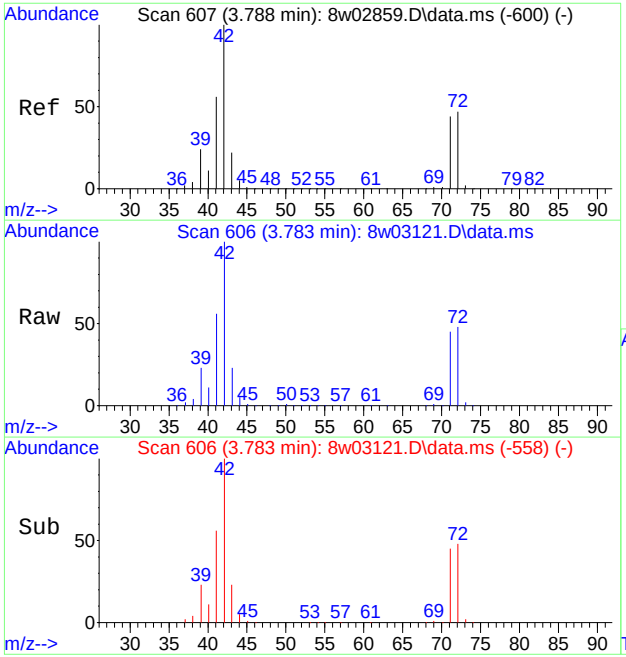


#36
METHYL TERTIARY BUTYL ETHER
Concen: 19.00 PPBV
RT: 3.027 min Scan# 482
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 73 Resp: 758847

Ion	Ratio	Lower	Upper
73	100		
45	5.8	4.7	7.1

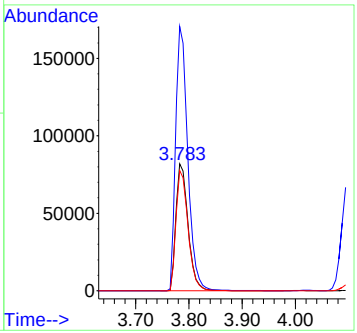


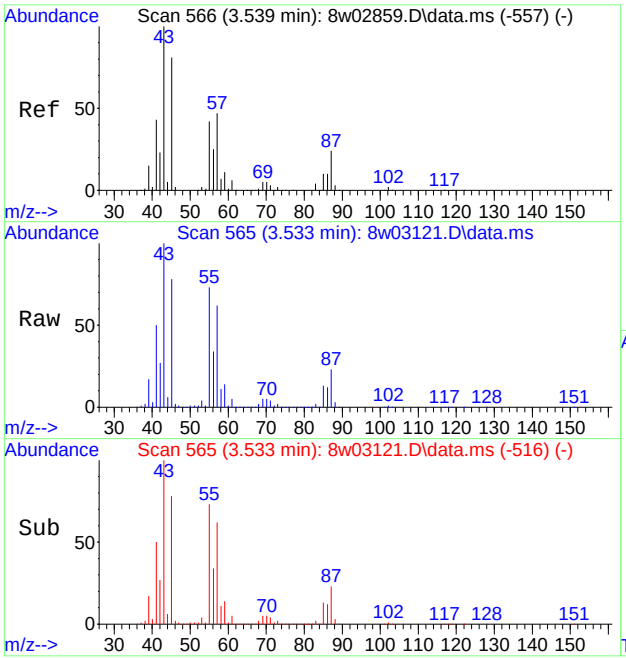


#37
TETRAHYDROFURAN
Concen: 18.60 PPBV
RT: 3.783 min Scan# 606
Delta R.T. -0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 72 Resp: 130112

Ion	Ratio	Lower	Upper
72	100		
42	207.6	170.8	256.2
71	94.0	74.3	111.5

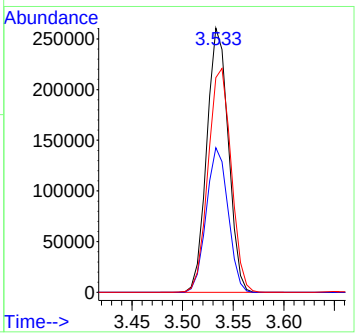


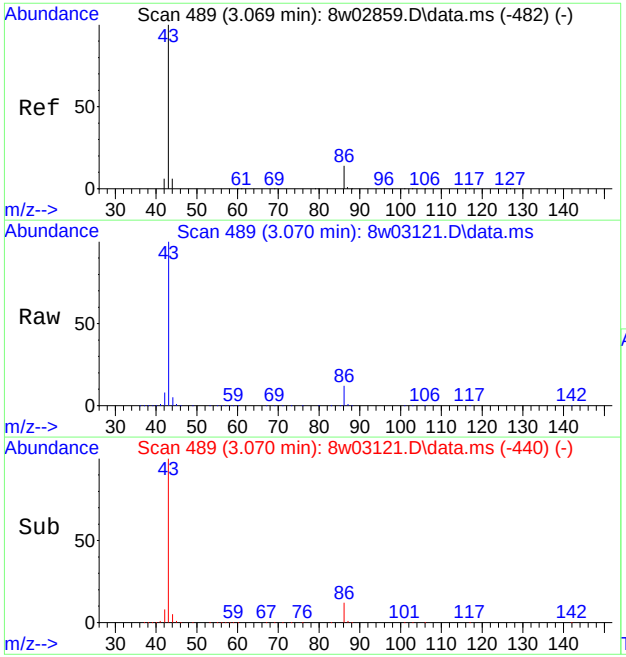


#38
HEXANE
Concen: 16.92 PPBV
RT: 3.533 min Scan# 565
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 57 Resp: 386158

Ion	Ratio	Lower	Upper
57	100		
56	55.3	43.8	65.8
41	90.7	72.2	108.4

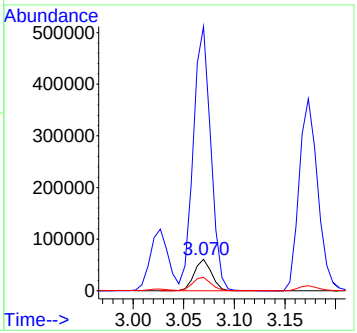


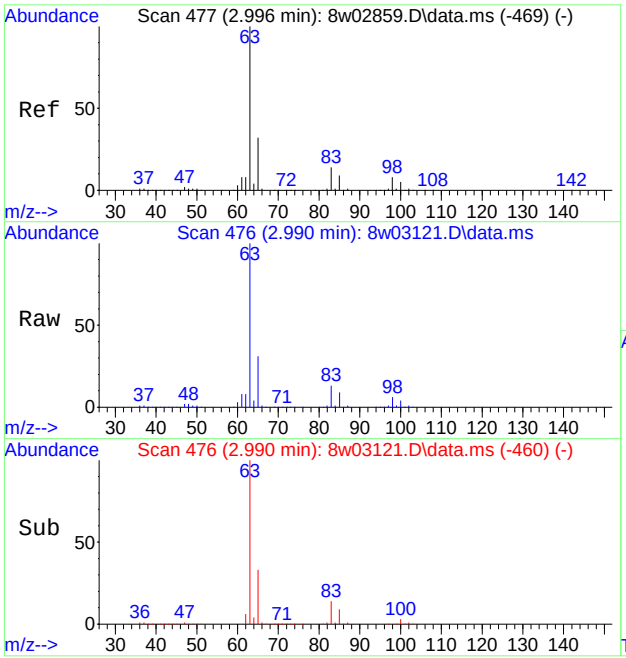


#39
VINYL ACETATE
Concen: 19.05 PPBV
RT: 3.070 min Scan# 489
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 86 Resp: 72457

Ion	Ratio	Lower	Upper
86	100		
43	1056.1	860.3	1290.5
44	51.3	44.2	66.2

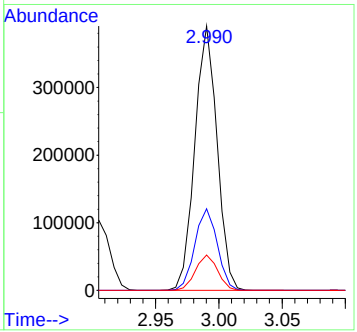


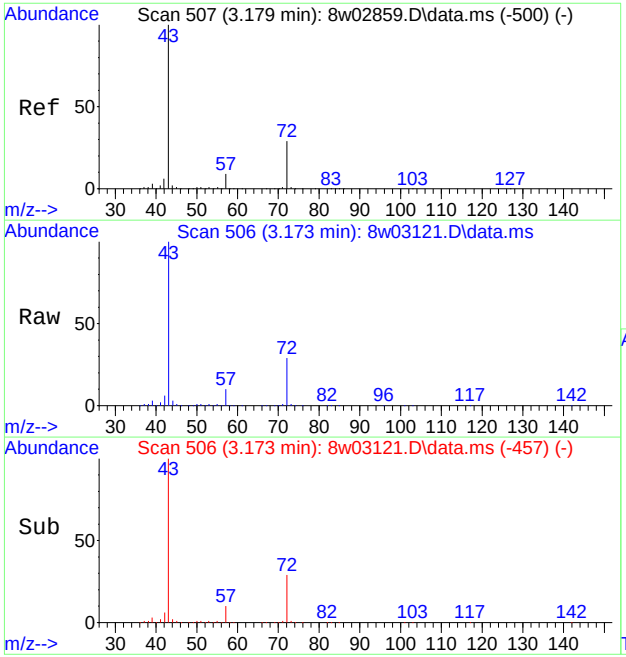


#40
1,1-DICHLOROETHANE
Concen: 18.54 PPBV
RT: 2.990 min Scan# 476
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 63 Resp: 477338

Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.4
83	13.4	10.5	15.7

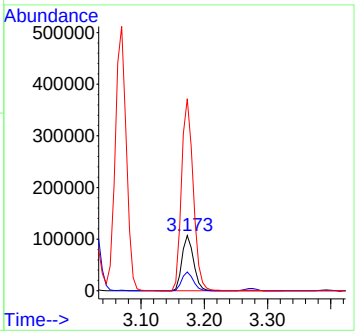


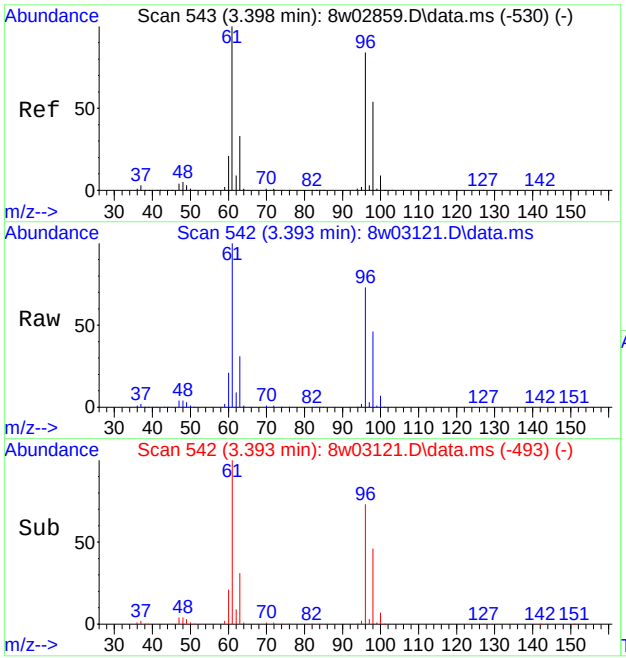


#41
METHYL ETHYL KETONE
Concen: 18.61 PPBV
RT: 3.173 min Scan# 506
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 72 Resp: 136320

Ion	Ratio	Lower	Upper
72	100		
57	34.0	27.8	41.8
43	351.3	292.3	438.5

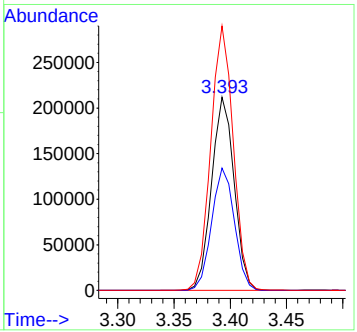


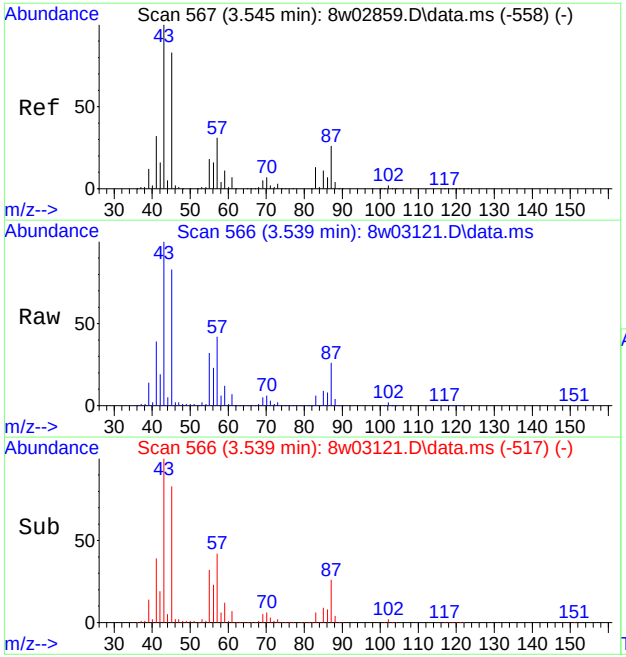


#42
CIS-1,2-DICHLOROETHENE
Concen: 18.53 PPBV
RT: 3.393 min Scan# 542
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 96 Resp: 296647

Ion	Ratio	Lower	Upper
96	100		
98	64.0	50.9	76.3
61	136.9	109.1	163.7

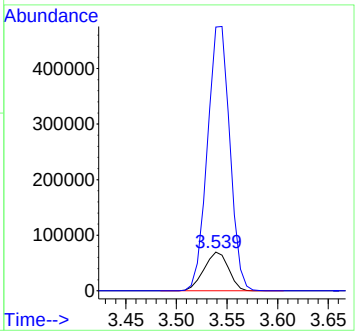


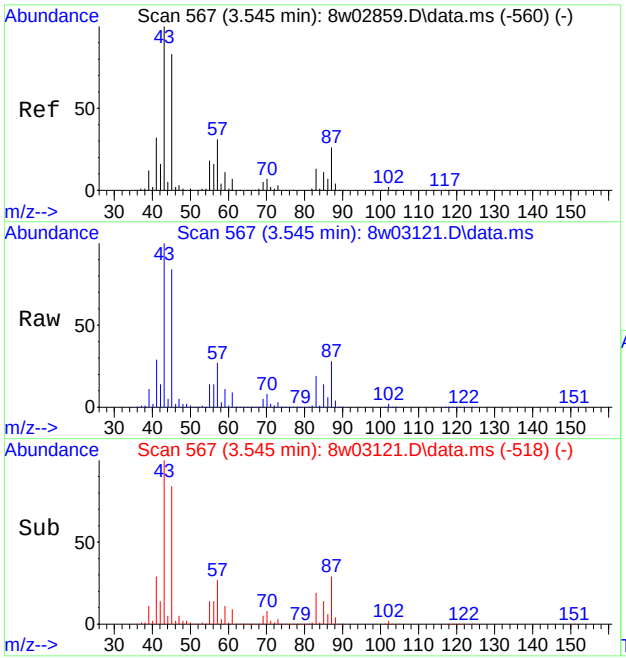


#43
DIISOPROPYL ETHER
Concen: 17.08 PPBV
RT: 3.539 min Scan# 566
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 59 Resp: 117589

Ion	Ratio	Lower	Upper
59	100		
45	624.1	517.9	776.9

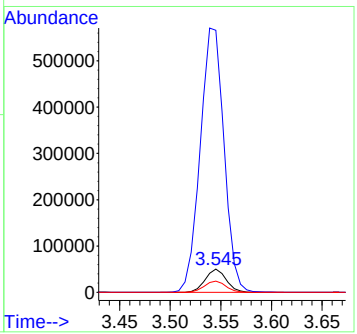




#44
ETHYL ACETATE
Concen: 16.80 PPBV
RT: 3.545 min Scan# 567
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

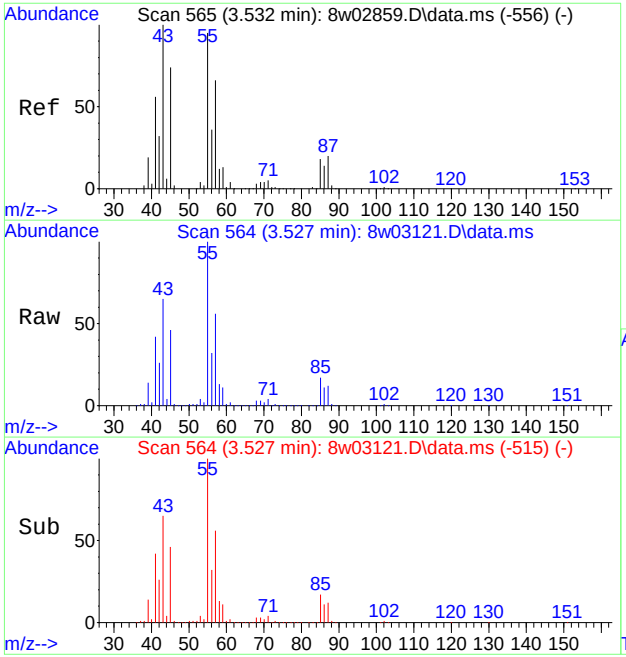
Tgt Ion: 61 Resp: 72739

Ion	Ratio	Lower	Upper
61	100		
43	1287.7	1039.8	1559.8
88	49.8	37.8	56.8



7.7.19

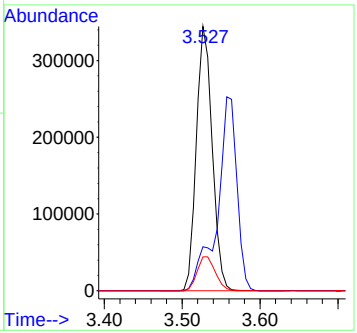
7

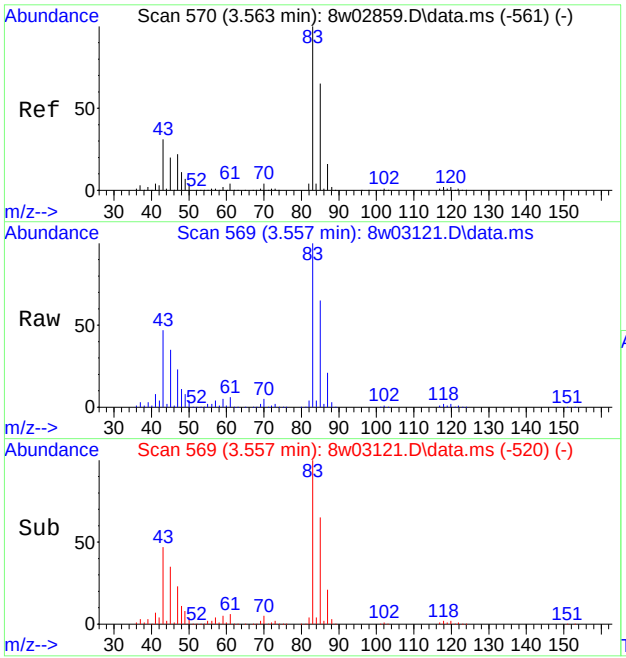


#45
METHYL ACRYLATE
Concen: 17.39 PPBV
RT: 3.527 min Scan# 564
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 55 Resp: 486723

Ion	Ratio	Lower	Upper
55	100		
85	0.0	0.0	0.0
58	14.7	11.5	17.3

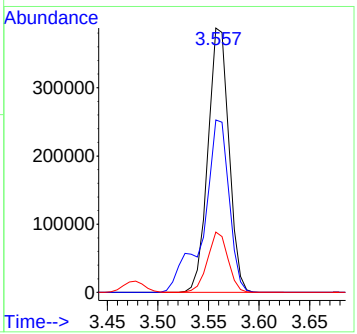


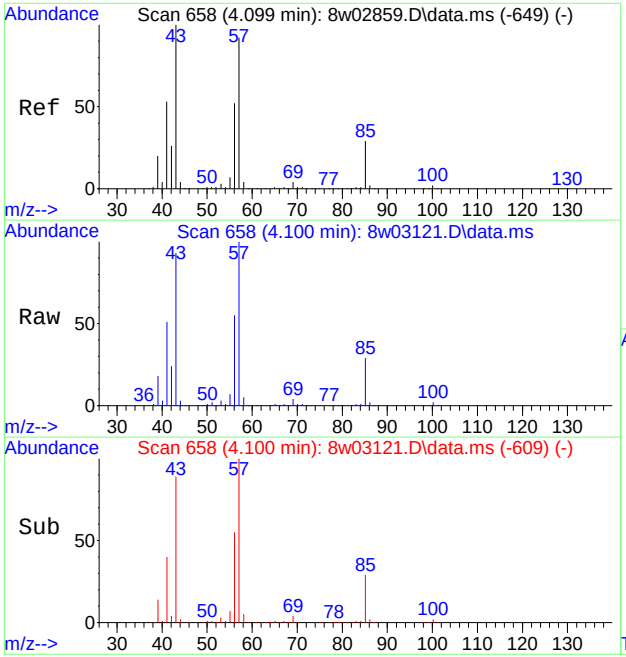


#46
CHLOROFORM
Concen: 18.36 PPBV
RT: 3.557 min Scan# 569
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 83 Resp: 558000

Ion	Ratio	Lower	Upper
83	100		
85	79.0	63.4	95.2
47	22.3	18.5	27.7

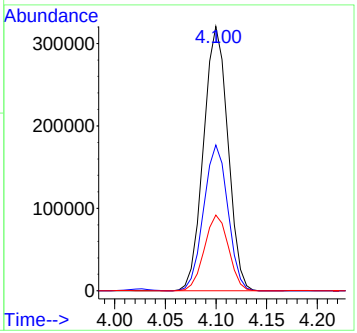


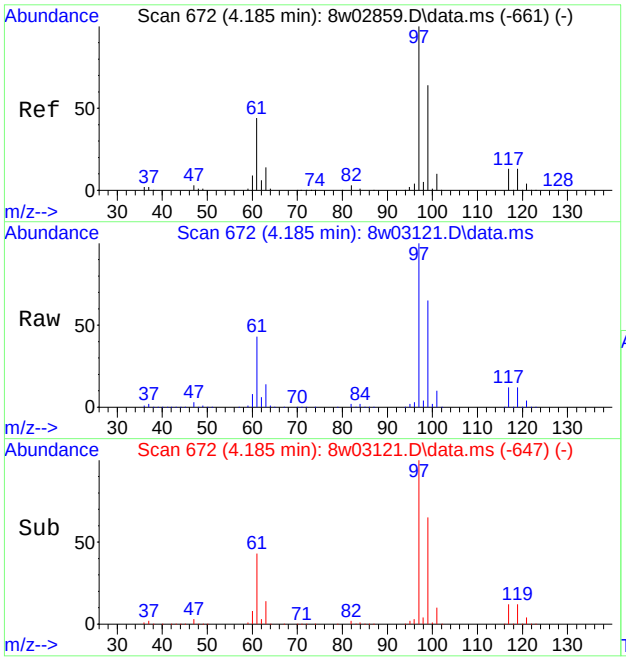


#47
2,4-DIMETHYLPENTANE
Concen: 18.19 PPBV
RT: 4.100 min Scan# 658
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 57 Resp: 536560

Ion	Ratio	Lower	Upper
57	100		
56	55.0	44.2	66.4
85	28.5	22.3	33.5

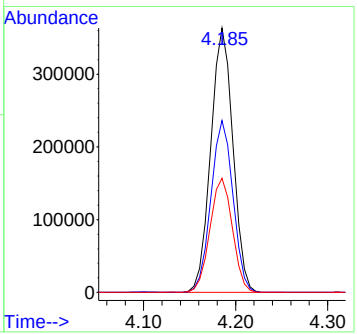


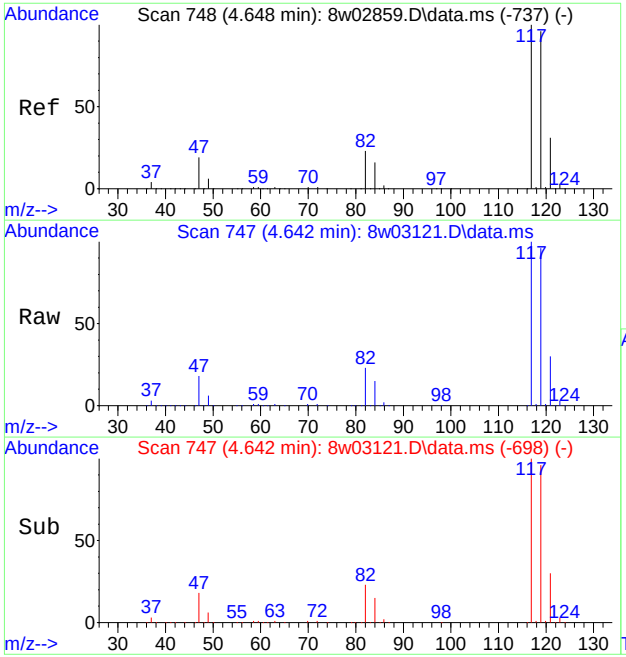


#48
1,1,1-TRICHLOROETHANE
Concen: 19.17 PPBV
RT: 4.185 min Scan# 672
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 97 Resp: 608682

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	44.0	35.8	53.6

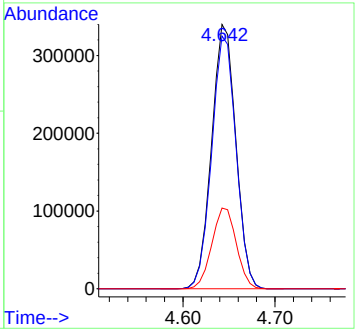


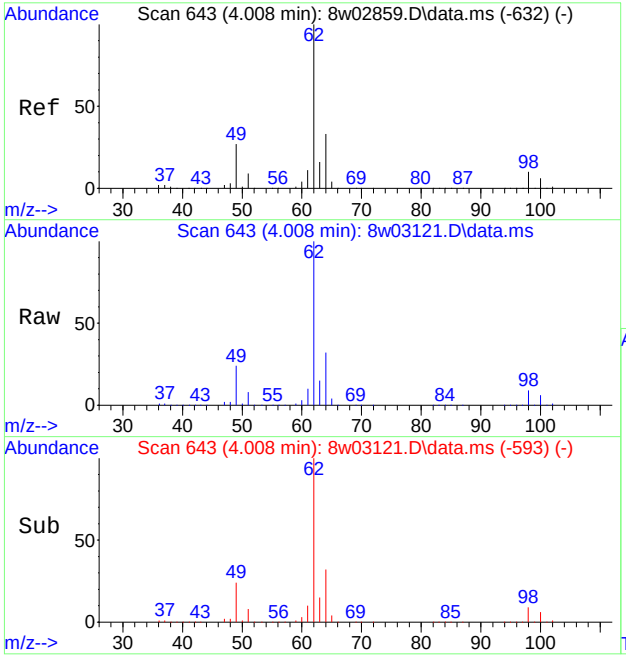


#49
CARBON TETRACHLORIDE
Concen: 19.22 PPBV
RT: 4.642 min Scan# 747
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:117 Resp: 623195

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.2
121	30.9	24.4	36.6

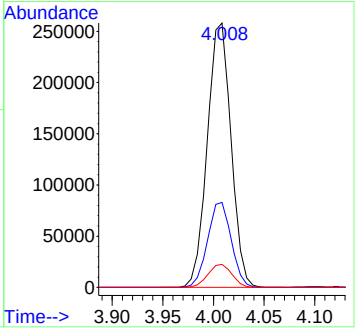


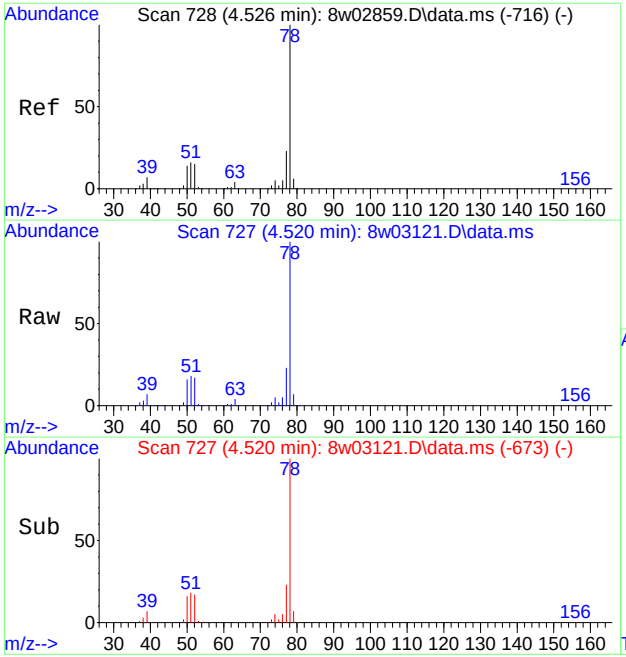


#50
1,2-DICHLOROETHANE
Concen: 18.77 PPBV
RT: 4.008 min Scan# 643
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 62 Resp: 421542

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.6	38.4
98	8.8	7.1	10.7

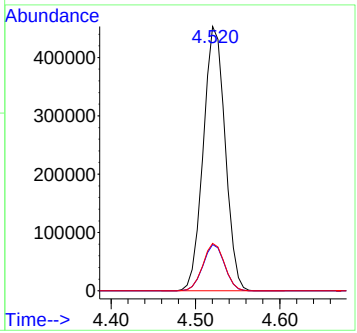


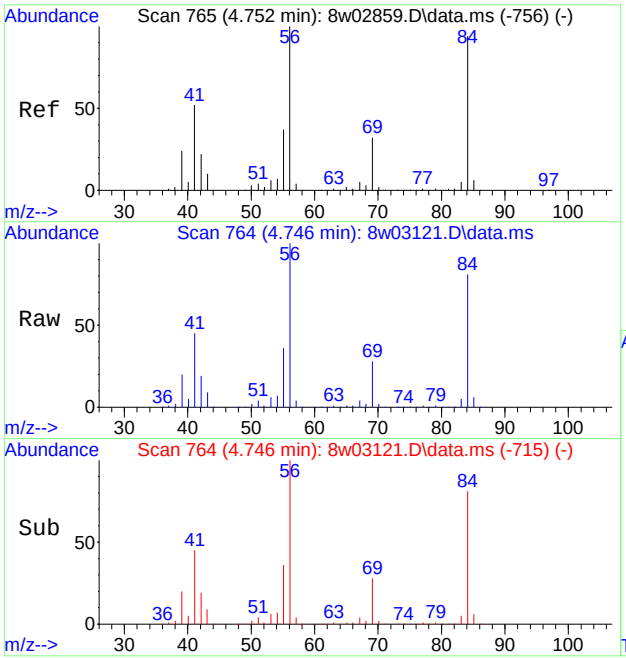


#51
BENZENE
Concen: 18.58 PPBV
RT: 4.520 min Scan# 727
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 78 Resp: 815482

Ion	Ratio	Lower	Upper
78	100		
52	17.3	0.0	37.6
51	17.8	0.0	38.0

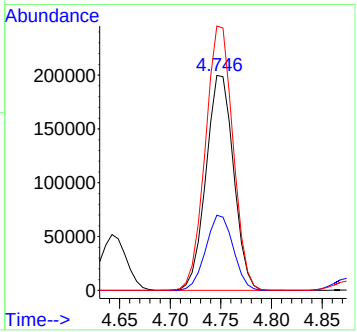


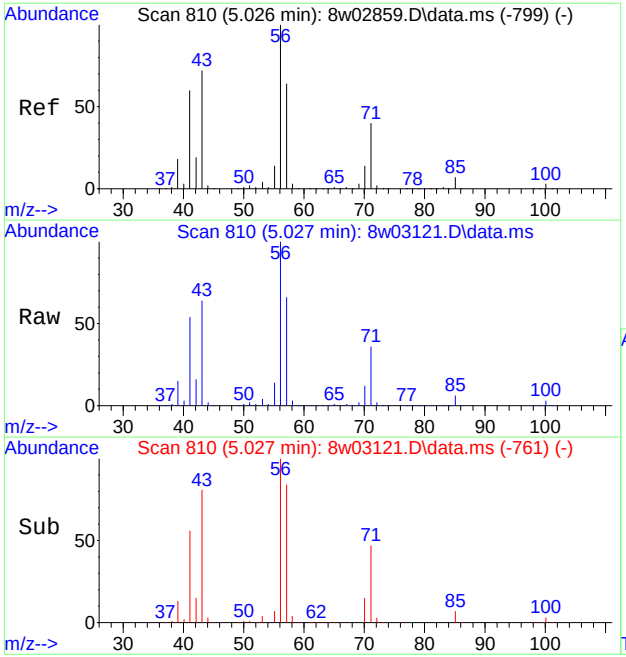


#53
CYCLOHEXANE
Concen: 18.97 PPBV
RT: 4.746 min Scan# 764
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 84 Resp: 379166

Ion	Ratio	Lower	Upper
84	100		
69	34.8	27.7	41.5
56	123.1	99.1	148.7

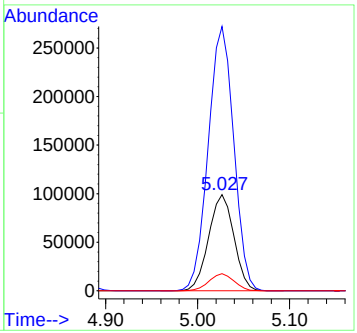


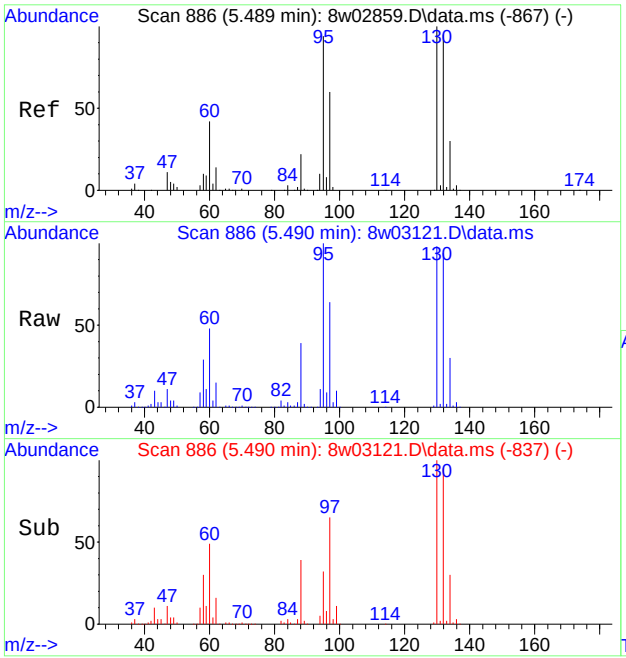


#54
2,3-DIMETHYLPENTANE
Concen: 18.80 PPBV
RT: 5.027 min Scan# 810
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 71 Resp: 189090

Ion	Ratio	Lower	Upper
71	100		
56	277.4	224.9	337.3
85	17.8	14.3	21.5

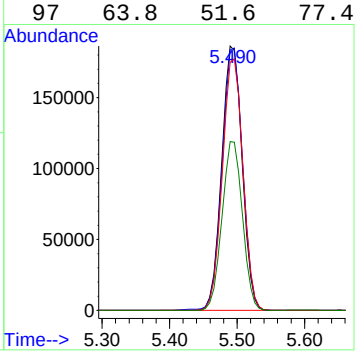


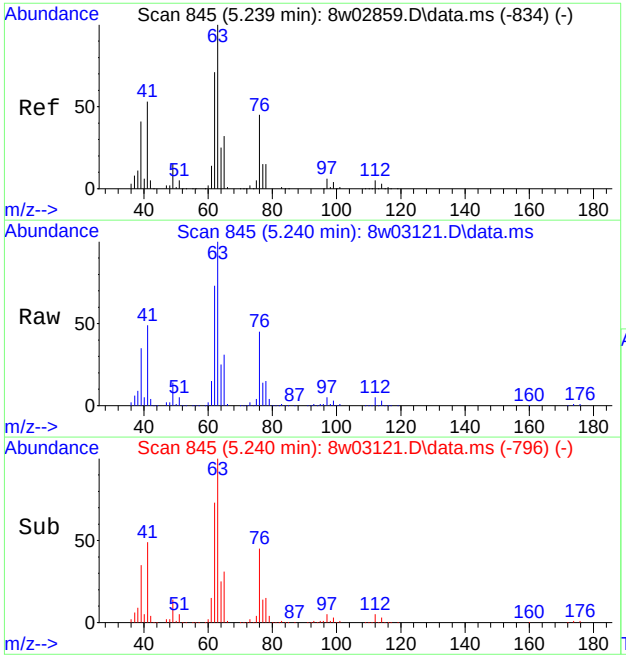


#55
TRICHLOROETHENE
Concen: 19.18 PPBV
RT: 5.490 min Scan# 886
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 95 Resp: 391804

Ion	Ratio	Lower	Upper
95	100		
130	99.8	80.6	120.8
132	95.7	77.0	115.4
97	63.8	51.6	77.4

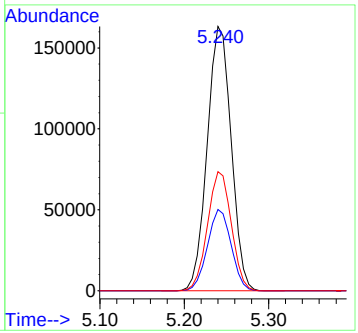


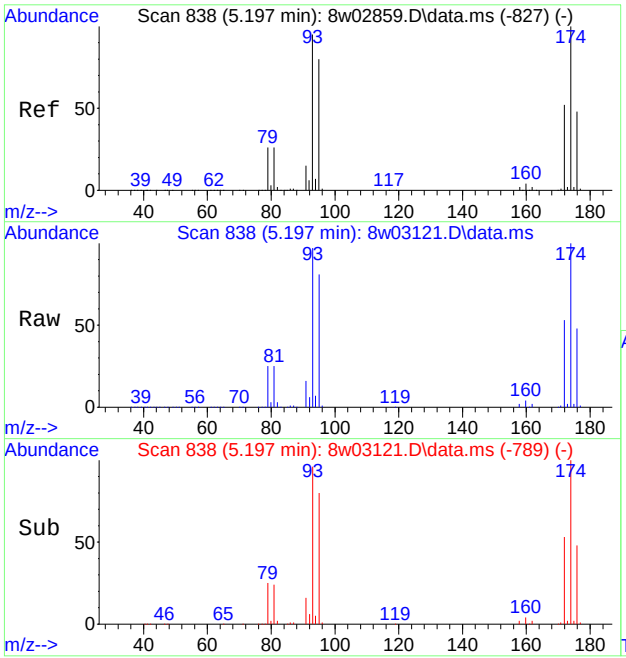


#56
1,2-DICHLOROPROPANE
Concen: 19.50 PPBV
RT: 5.240 min Scan# 845
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 63 Resp: 323453

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.1	36.1
76	44.7	36.4	54.6

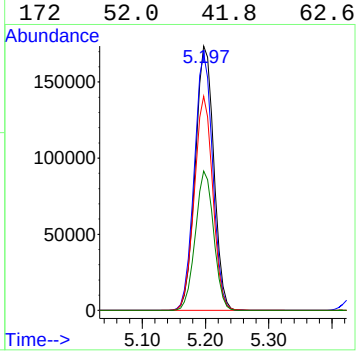


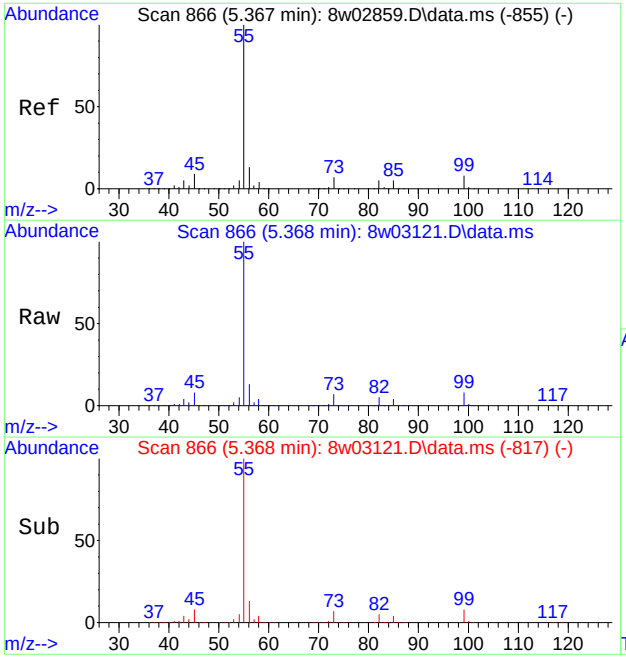


#57
DIBROMOMETHANE
Concen: 18.96 PPBV
RT: 5.197 min Scan# 838
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:174 Resp: 353744

Ion	Ratio	Lower	Upper
174	100		
93	96.5	77.0	115.6
95	80.4	64.2	96.4
172	52.0	41.8	62.6

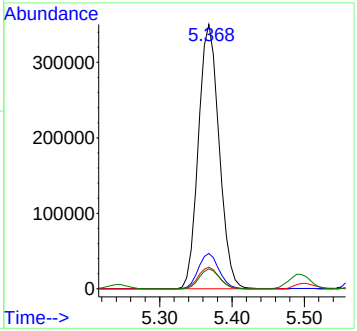


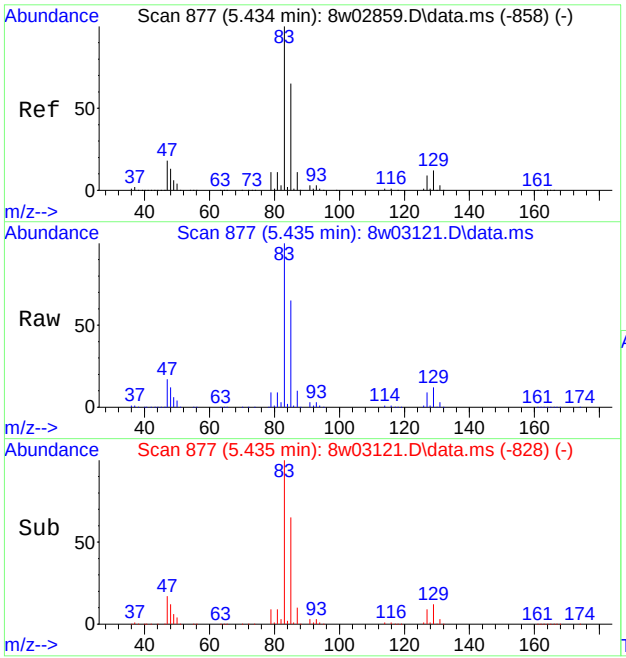


#58
ETHYL ACRYLATE
Concen: 19.61 PPBV
RT: 5.368 min Scan# 866
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 55 Resp: 694682

Ion	Ratio	Lower	Upper
55	100		
56	13.4	10.9	16.3
45	8.2	6.7	10.1
99	7.4	5.8	8.8

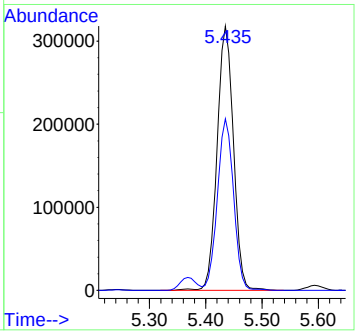


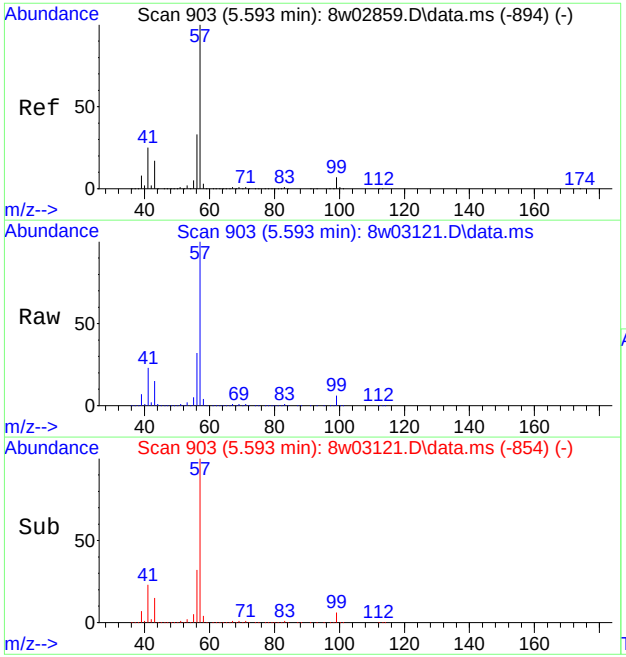


#59
BROMODICHLOROMETHANE
Concen: 19.56 PPBV
RT: 5.435 min Scan# 877
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 83 Resp: 644450

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.6

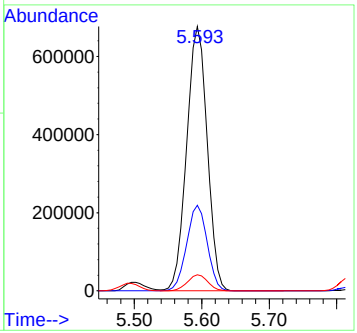


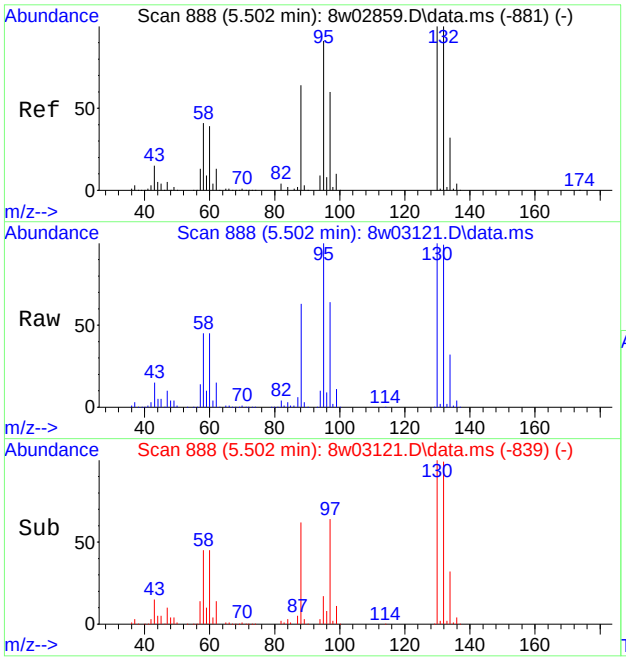


#60
2,2,4-TRIMETHYLPENTANE
Concen: 18.72 PPBV
RT: 5.593 min Scan# 903
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 57 Resp: 1433521

Ion	Ratio	Lower	Upper
57	100		
56	32.2	25.8	38.8
99	6.0	4.7	7.1

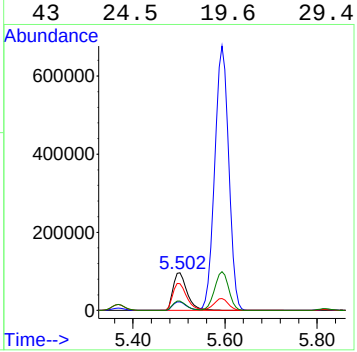


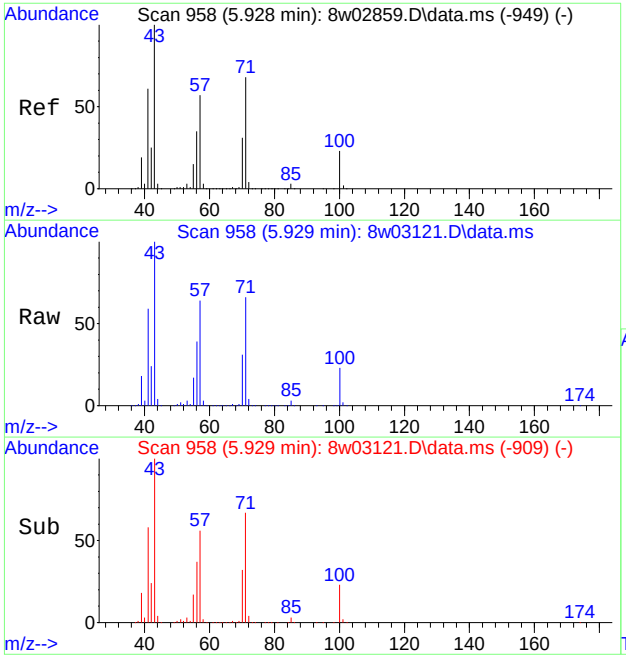


#61
1,4-DIOXANE
Concen: 18.82 PPBV
RT: 5.502 min Scan# 888
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 88 Resp: 202249

Ion	Ratio	Lower	Upper
88	100		
57	23.0	18.4	27.6
58	71.7	57.3	85.9
43	24.5	19.6	29.4

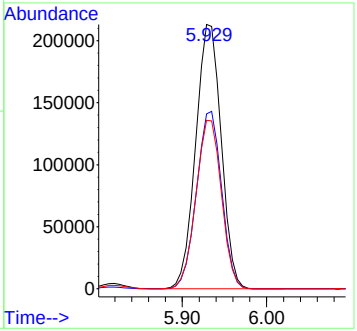


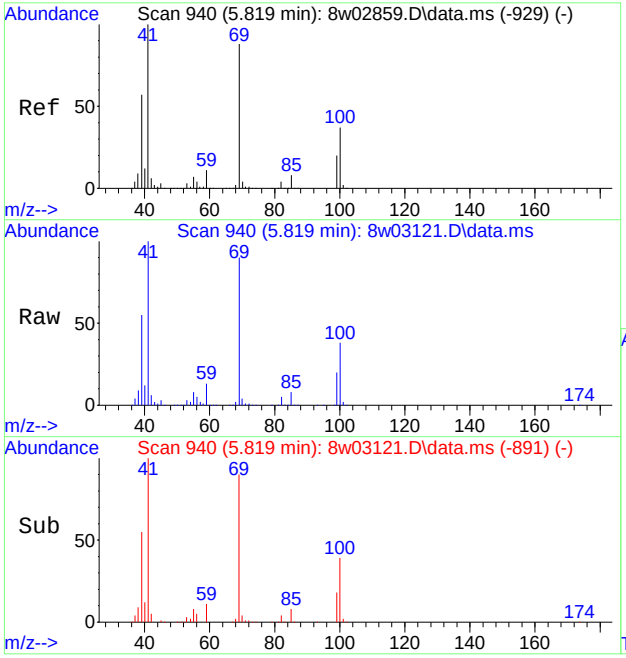


#62
HEPTANE
Concen: 18.72 PPBV
RT: 5.929 min Scan# 958
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 43 Resp: 448051

Ion	Ratio	Lower	Upper
43	100		
71	66.1	52.2	78.2
57	63.6	50.4	75.6

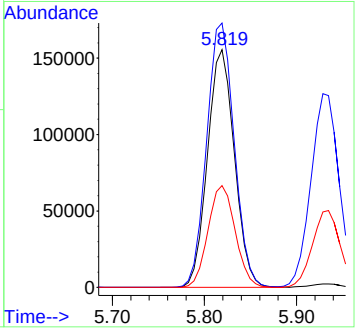


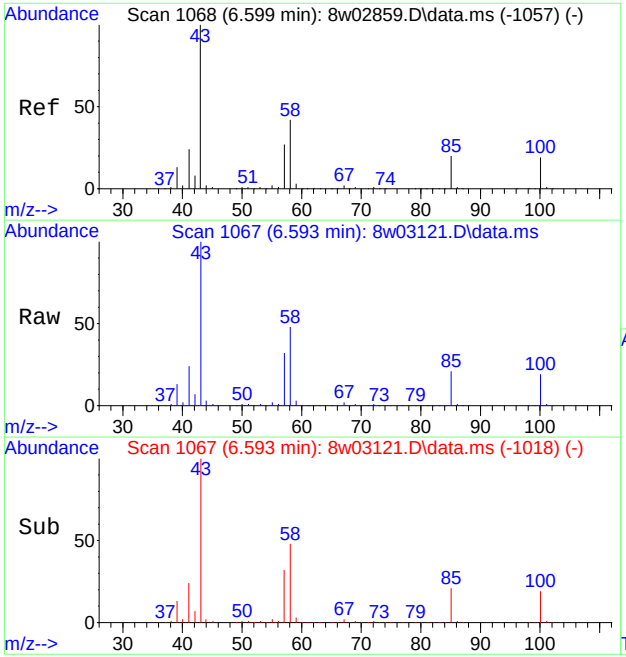


#63
METHYL METHACRYLATE
Concen: 19.64 PPBV
RT: 5.819 min Scan# 940
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 69 Resp: 317276

Ion	Ratio	Lower	Upper
69	100		
41	113.1	91.9	137.9
100	43.1	34.2	51.4

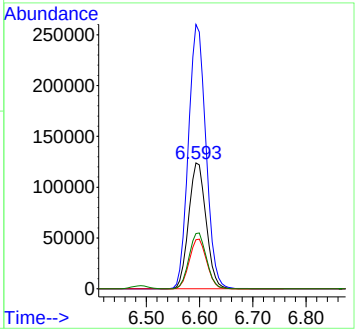


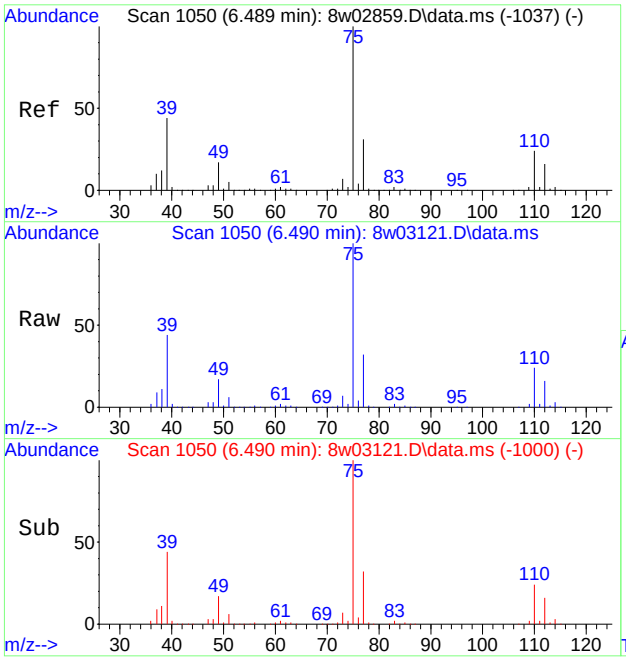


#64
METHYL ISOBUTYL KETONE
Concen: 19.34 PPBV
RT: 6.593 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 58 Resp: 281531

Ion	Ratio	Lower	Upper
58	100		
43	211.2	171.6	257.4
100	39.5	31.4	47.0
85	44.5	35.8	53.6

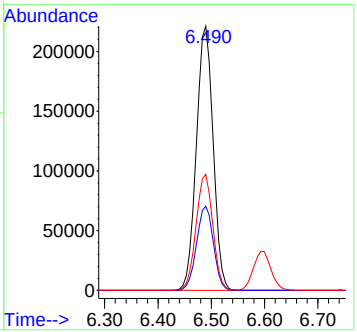


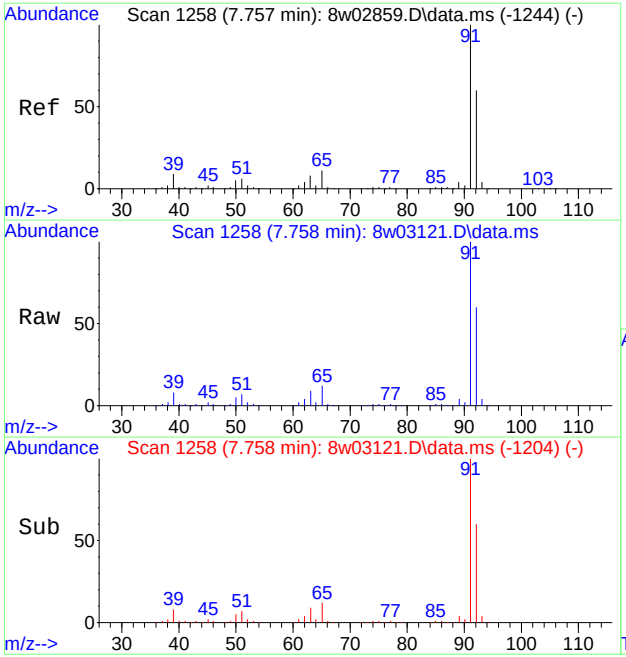


#65
CIS-1,3-DICHLOROPROPENE
Concen: 20.33 PPBV
RT: 6.490 min Scan# 1050
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 75 Resp: 483776

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	44.1	35.8	53.8

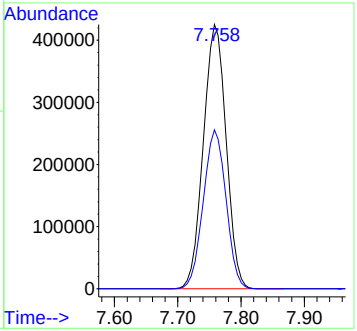


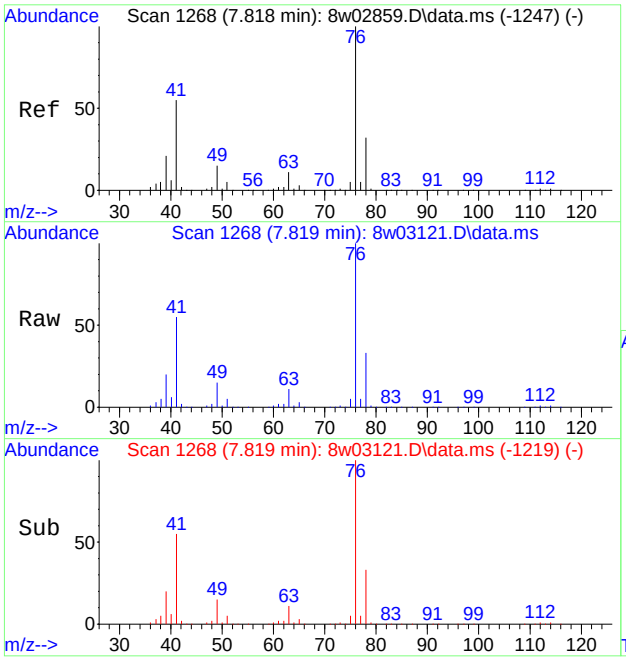


#66
TOLUENE
Concen: 19.41 PPBV
RT: 7.758 min Scan# 1258
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 91 Resp: 1063299

Ion	Ratio	Lower	Upper
91	100		
92	59.8	39.8	79.8

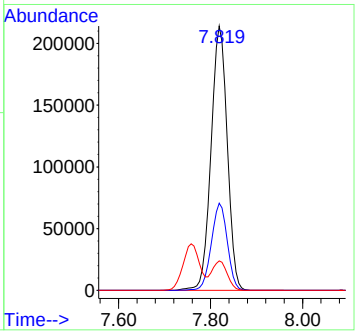


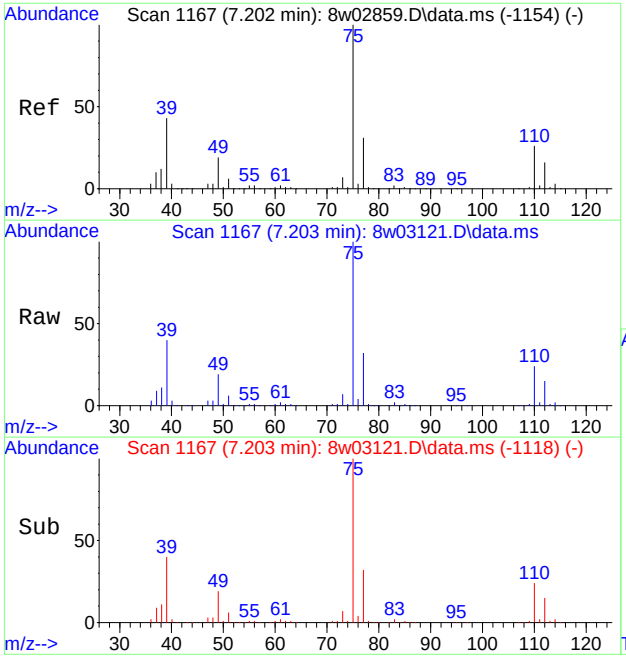


#67
1,3-DICHLOROPROPANE
Concen: 19.61 PPBV
RT: 7.819 min Scan# 1268
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 76 Resp: 523624

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9
63	11.0	8.6	12.8

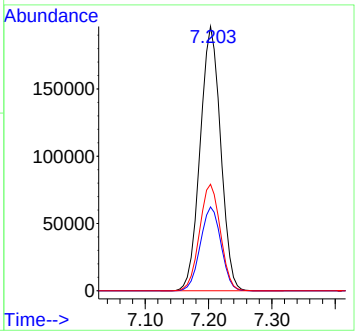


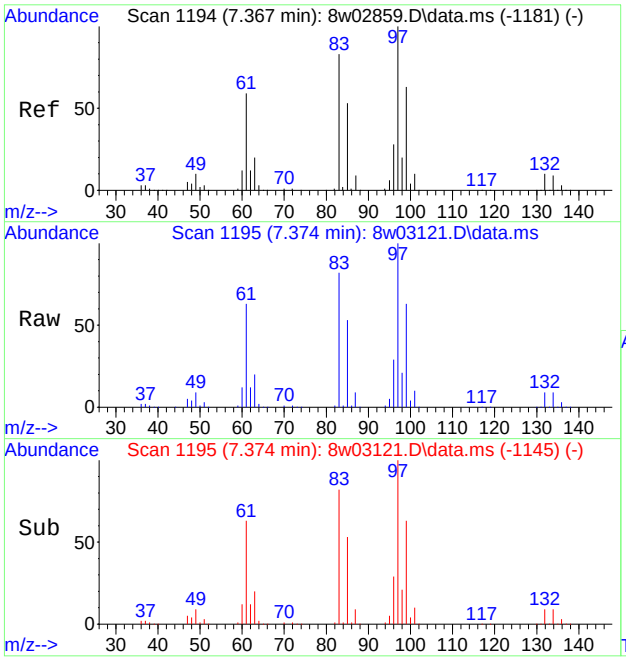


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 21.01 PPBV
RT: 7.203 min Scan# 1167
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 75 Resp: 441881

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	41.1	33.4	50.0

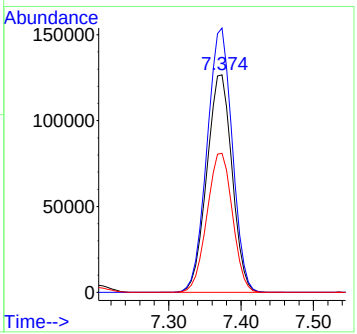


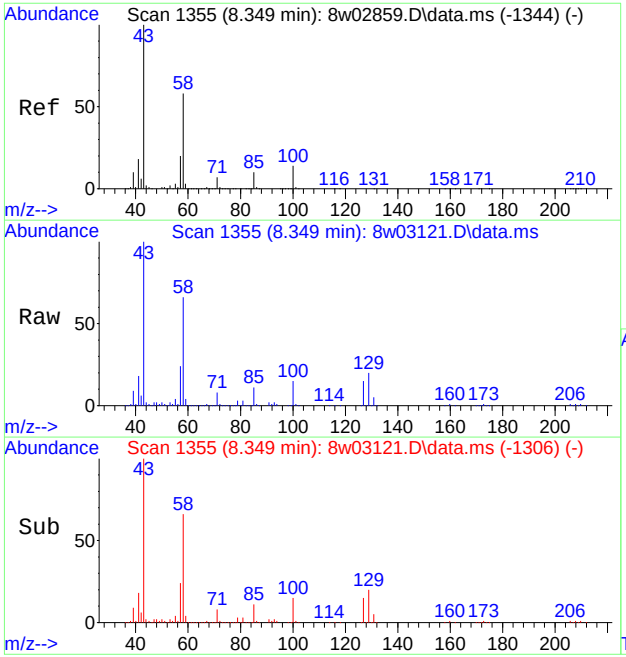


#69
1,1,2-TRICHLOROETHANE
Concen: 20.10 PPBV
RT: 7.374 min Scan# 1195
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 83 Resp: 307683

Ion	Ratio	Lower	Upper
83	100		
97	120.9	98.2	147.2
85	64.6	51.7	77.5

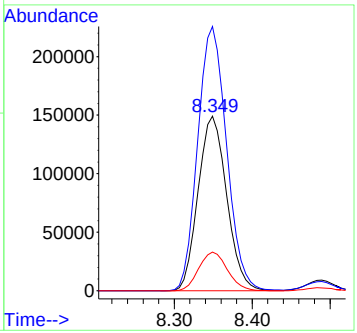


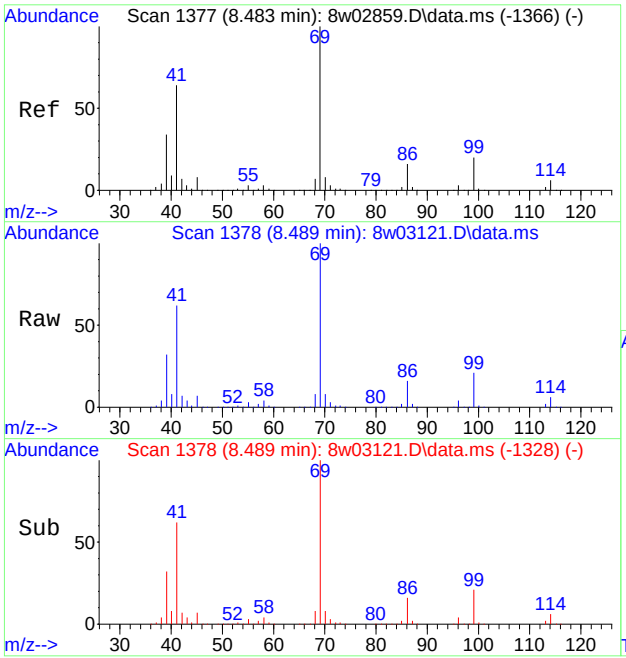


#70
2-HEXANONE
Concen: 19.55 PPBV
RT: 8.349 min Scan# 1355
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 58 Resp: 380026

Ion	Ratio	Lower	Upper
58	100		
43	152.5	124.3	186.5
100	22.3	18.0	27.0

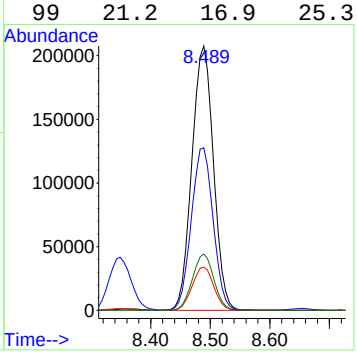


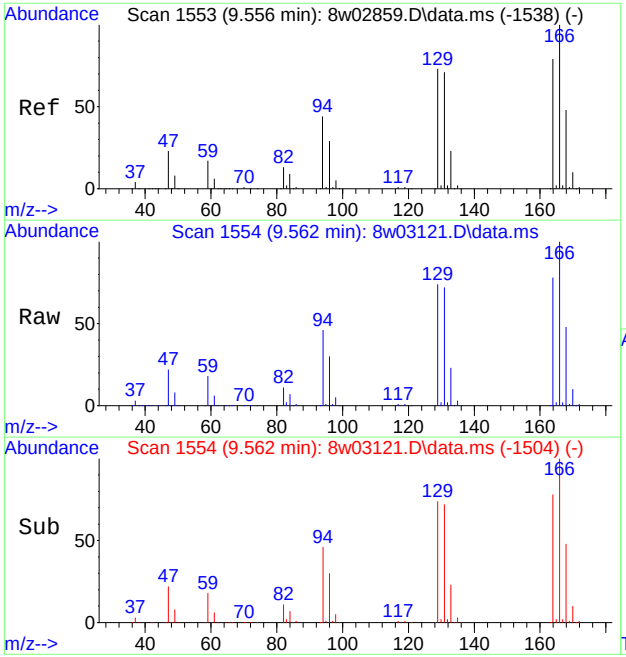


#71
ETHYL METHACRYLATE
Concen: 20.18 PPBV
RT: 8.489 min Scan# 1378
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 69 Resp: 522107

Ion	Ratio	Lower	Upper
69	100		
41	62.1	50.3	75.5
86	16.5	13.0	19.4
99	21.2	16.9	25.3

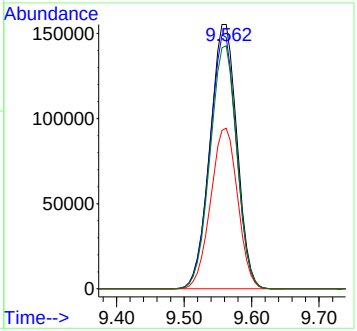


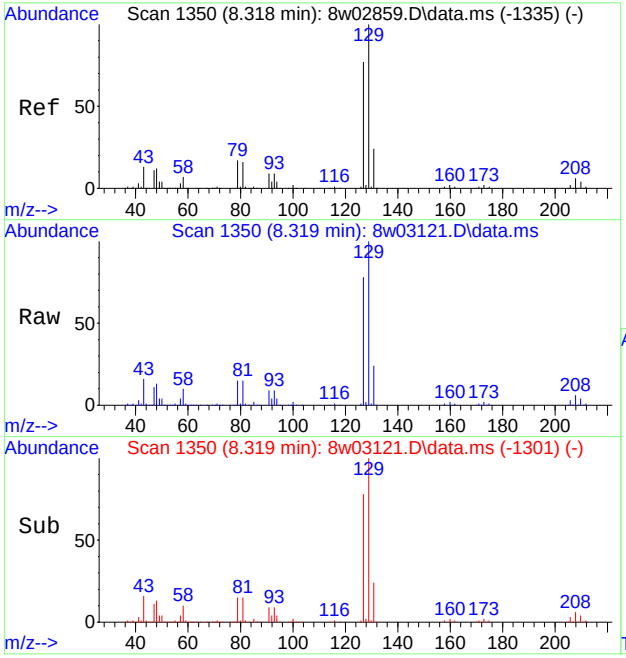


#72
TETRACHLOROETHENE
Concen: 19.58 PPBV
RT: 9.562 min Scan# 1554
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:164 Resp: 431086

Ion	Ratio	Lower	Upper
164	100		
129	95.4	75.8	113.8
168	61.0	48.8	73.2
131	91.4	73.0	109.4

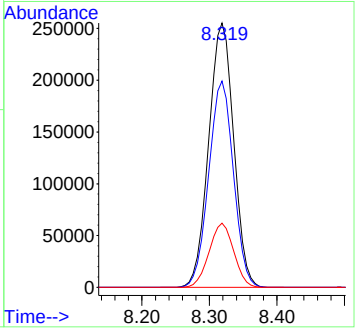


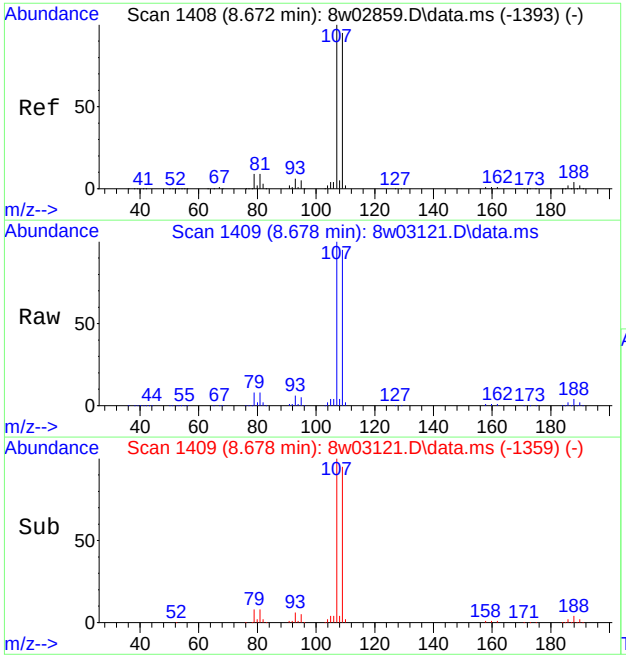


#73
DIBROMOCHLOROMETHANE
Concen: 20.48 PPBV
RT: 8.319 min Scan# 1350
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:129 Resp: 656480

Ion	Ratio	Lower	Upper
129	100		
127	77.2	62.0	93.0
131	24.0	19.1	28.7

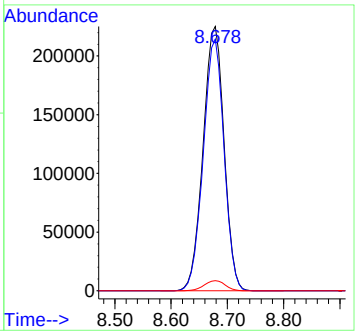


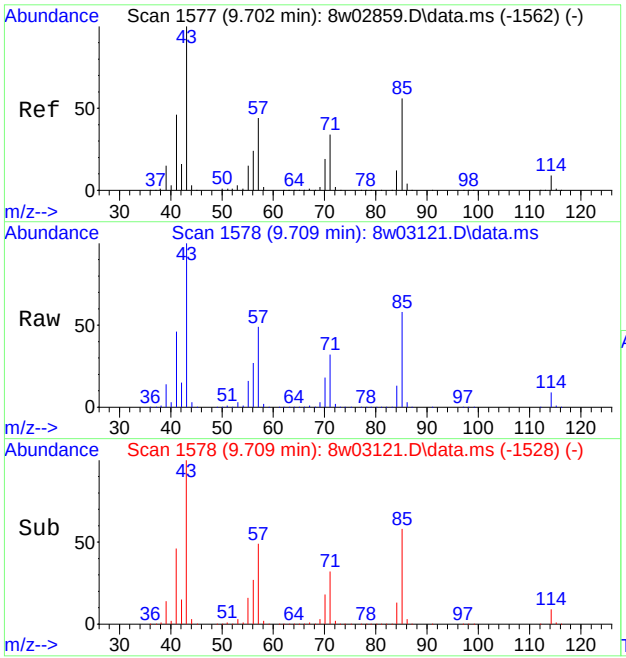


#74
1,2-DIBROMOETHANE
Concen: 19.99 PPBV
RT: 8.678 min Scan# 1409
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:107 Resp: 584568

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0
188	3.9	3.0	4.6

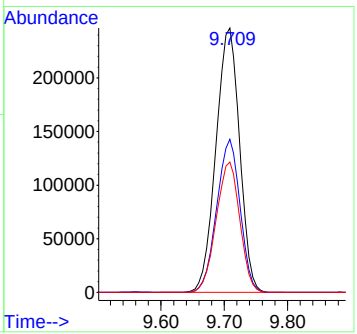


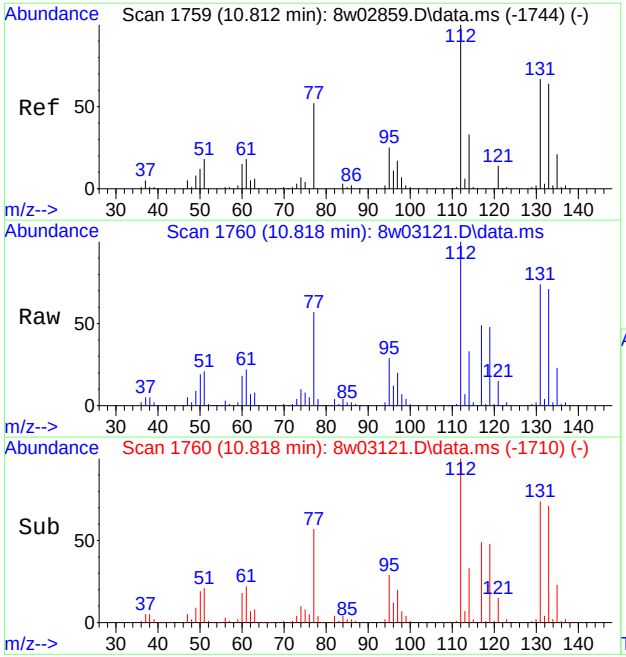


#75
OCTANE
Concen: 19.62 PPBV
RT: 9.709 min Scan# 1578
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 43 Resp: 639518

Ion	Ratio	Lower	Upper
43	100		
85	57.1	45.1	67.7
57	49.2	39.0	58.6

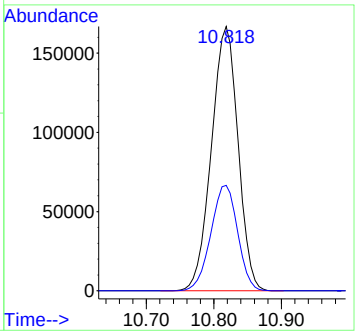


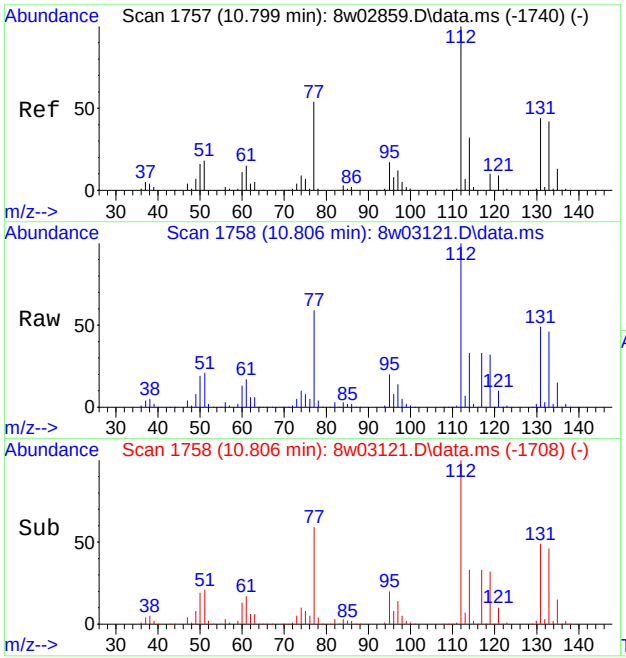


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 18.99 PPBV
RT: 10.818 min Scan# 1760
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:131 Resp: 457296

Ion	Ratio	Lower	Upper
131	100		
95	40.1	31.7	47.5

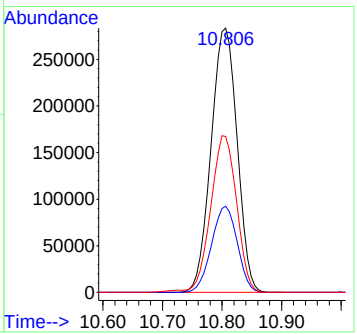


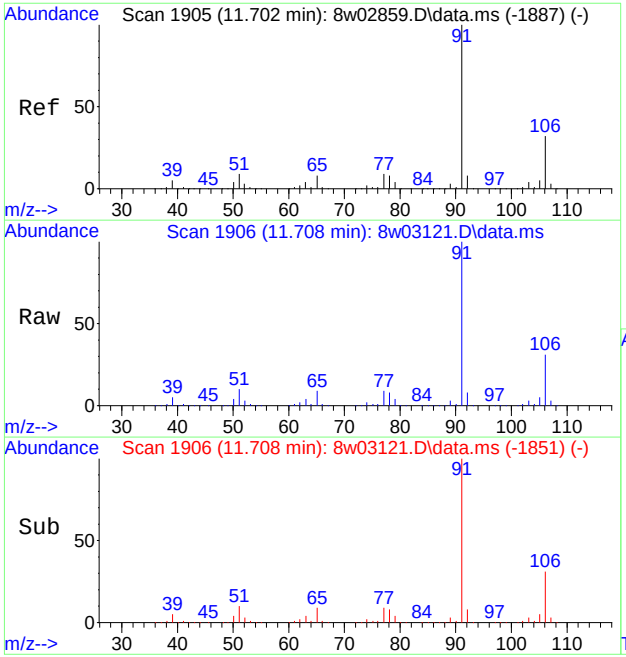


#78
CHLOROBENZENE
Concen: 18.28 PPBV
RT: 10.806 min Scan# 1758
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:112 Resp: 859899

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.7	38.5
77	59.2	47.4	71.2

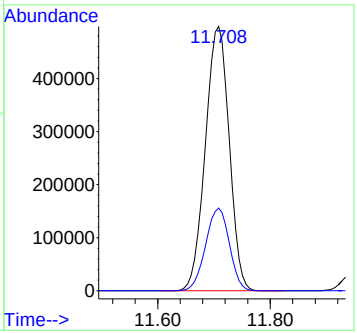


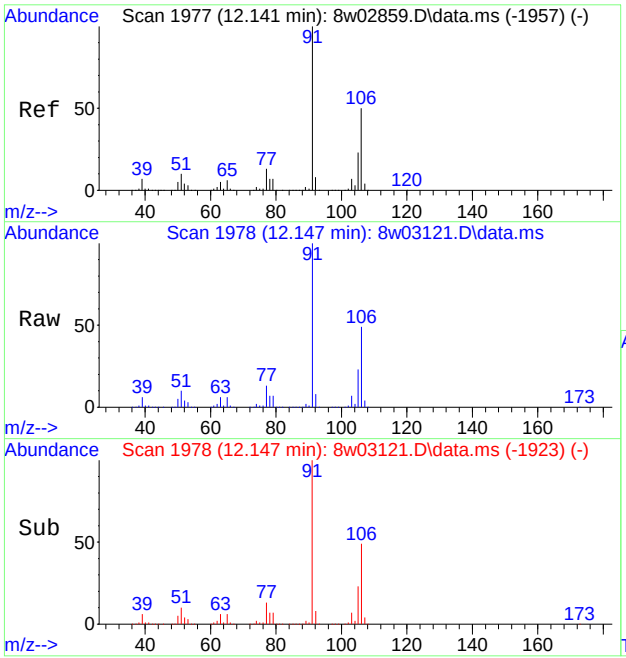


#79
ETHYLBENZENE
Concen: 18.64 PPBV
RT: 11.708 min Scan# 1906
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 91 Resp: 1464312

Ion	Ratio	Lower	Upper
91	100		
106	31.2	11.5	51.5

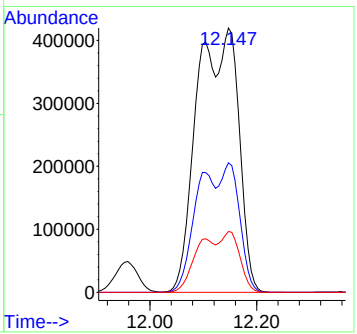


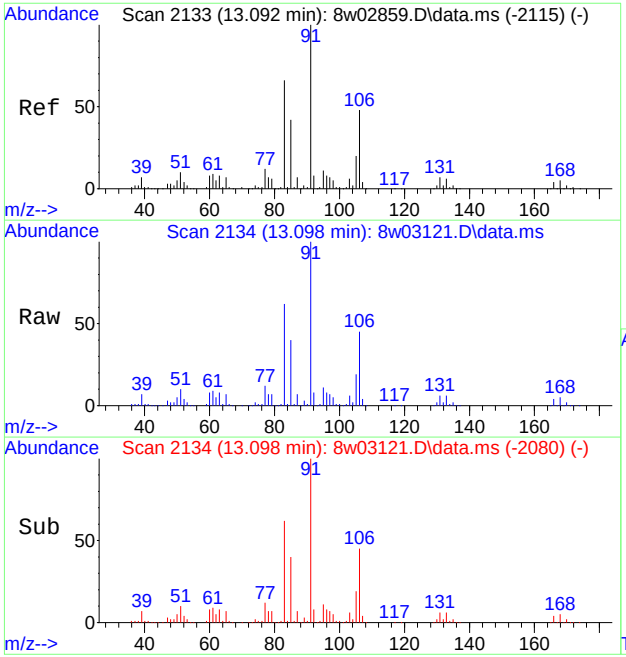


#80
M,P-XYLENE
Concen: 37.23 PPBV
RT: 12.147 min Scan# 1978
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 91 Resp: 2278034

Ion	Ratio	Lower	Upper
91	100		
106	21.3	5.3	45.3
105	12.4	0.0	31.8

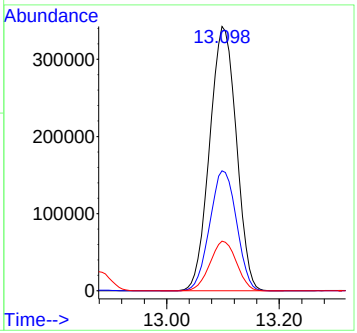


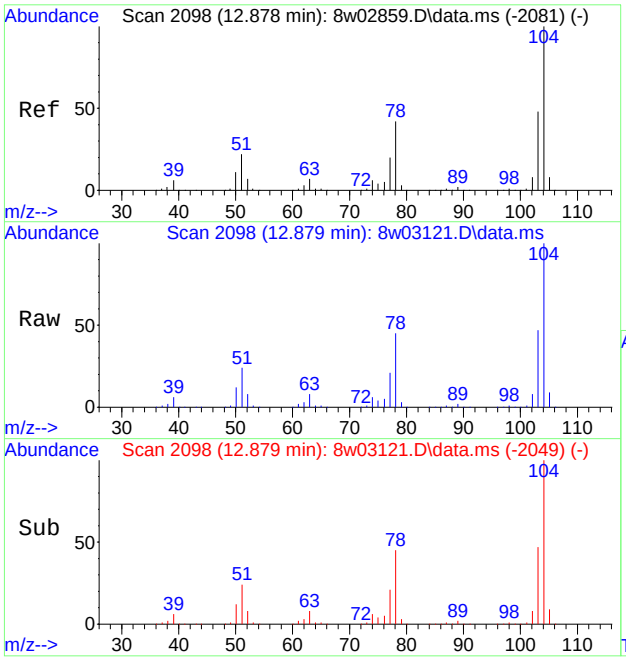


#81
O-XYLENE
Concen: 18.25 PPBV
RT: 13.098 min Scan# 2134
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 91 Resp: 1127899

Ion	Ratio	Lower	Upper
91	100		
106	45.4	36.8	55.2
105	18.7	15.0	22.6

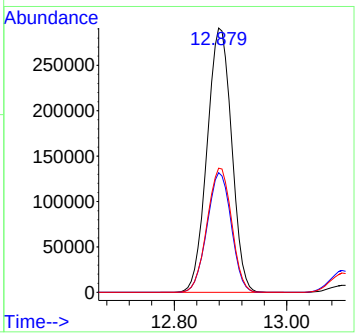




#82
STYRENE
Concen: 18.58 PPBV
RT: 12.879 min Scan# 2098
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

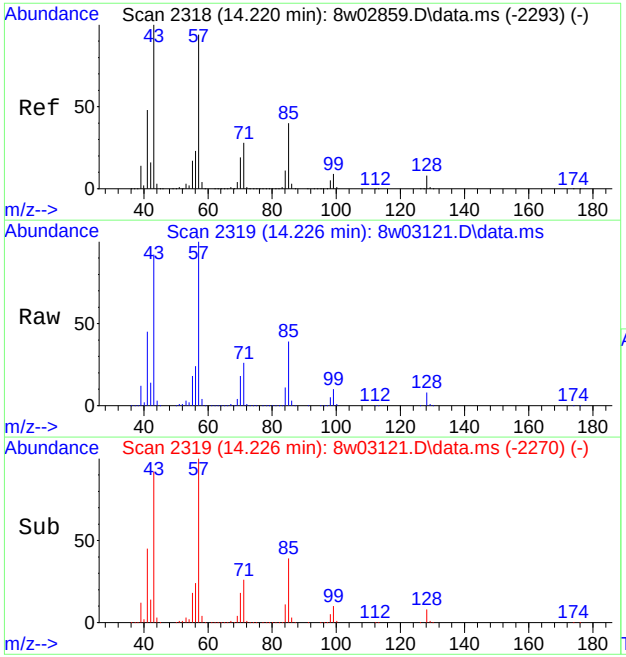
Tgt Ion:104 Resp: 882333

Ion	Ratio	Lower	Upper
104	100		
78	44.7	35.4	53.0
103	46.9	37.7	56.5



7.7.19

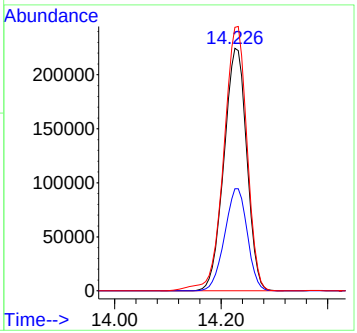
7

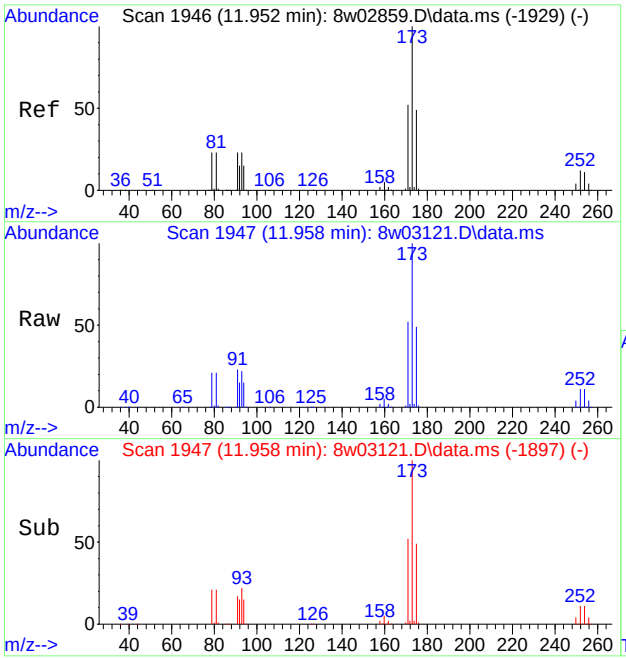


#83
NONANE
Concen: 17.93 PPBV
RT: 14.226 min Scan# 2319
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 43 Resp: 665634

Ion	Ratio	Lower	Upper
43	100		
85	41.8	32.5	48.7
57	111.0	88.6	132.8

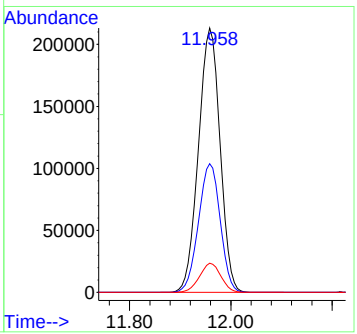


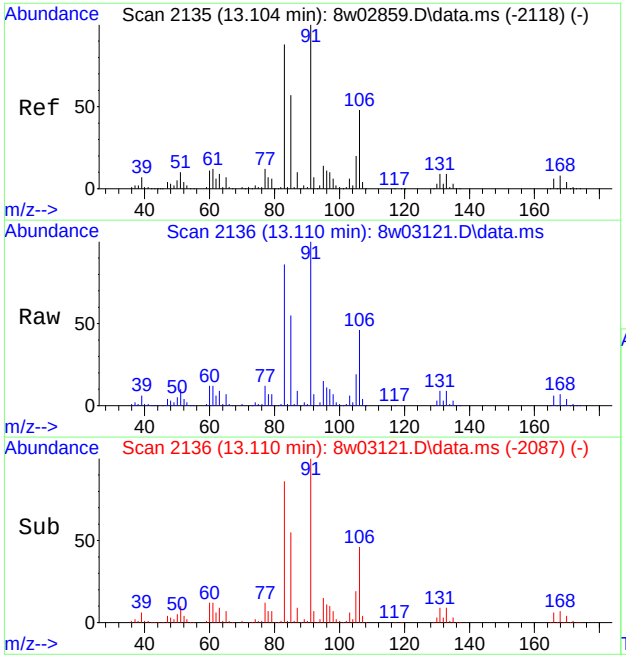


#84
BROMOFORM
Concen: 20.02 PPBV
RT: 11.958 min Scan# 1947
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:173 Resp: 633163

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.0	58.4
254	10.9	8.7	13.1

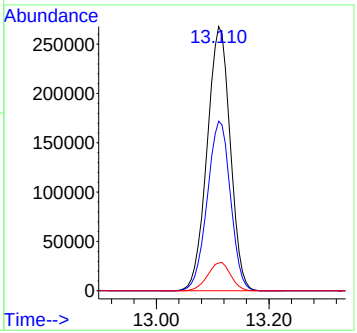


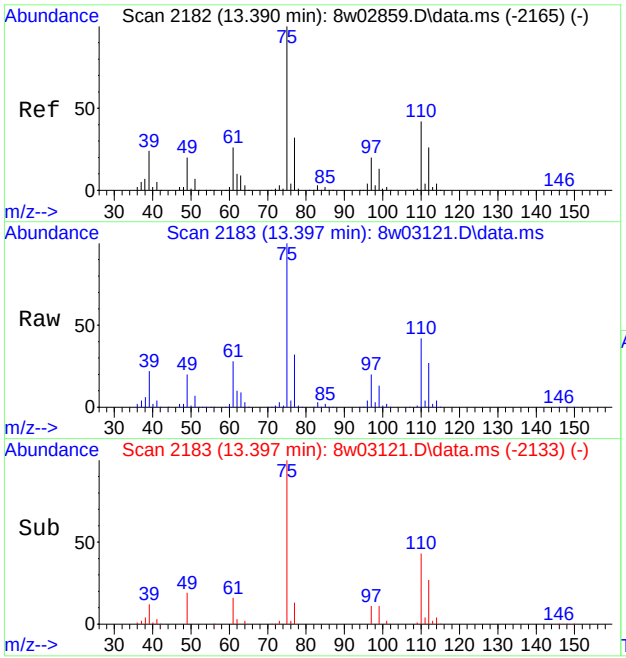


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 18.04 PPBV
RT: 13.110 min Scan# 2136
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 83 Resp: 764548

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.9	77.9
131	10.7	8.5	12.7

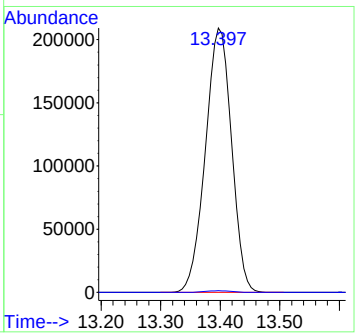


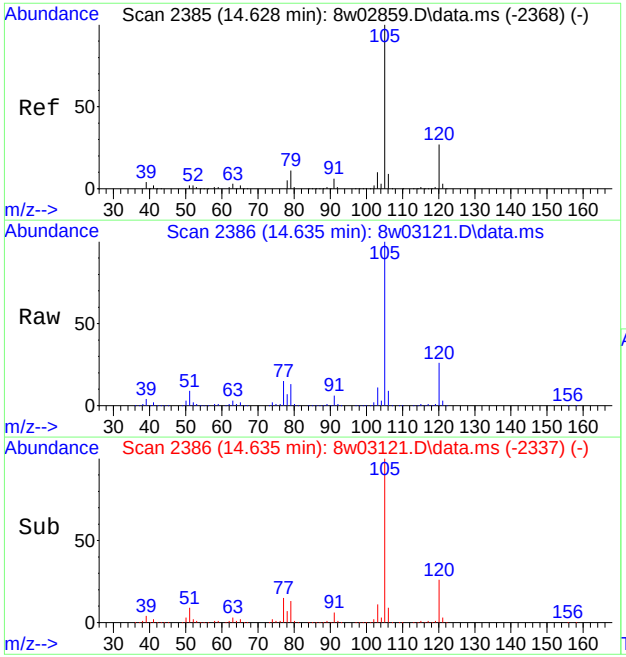


#86
1,2,3-TRICHLOROPROPANE
Concen: 18.51 PPBV
RT: 13.397 min Scan# 2183
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 75 Resp: 636062

Ion	Ratio	Lower	Upper
75	100		
100	0.6	0.5	0.7

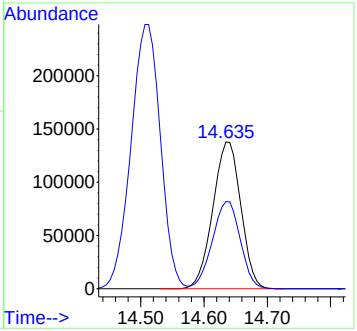


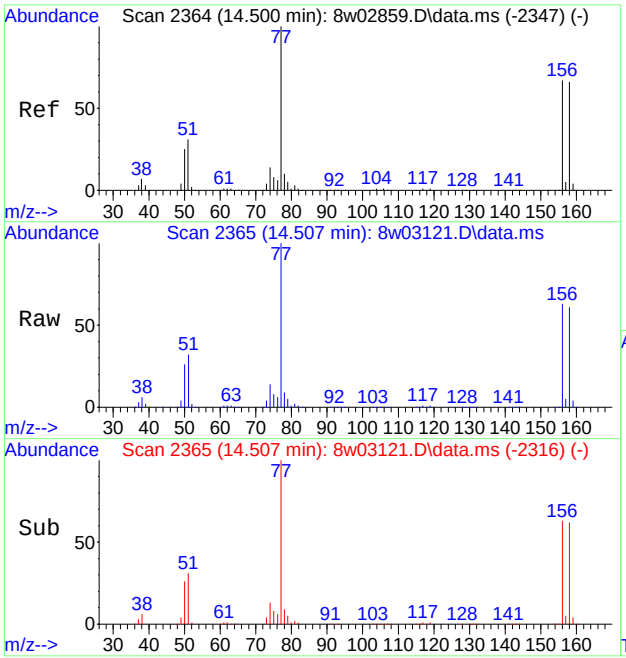


#88
ISOPROPYLBENZENE
Concen: 18.36 PPBV
RT: 14.635 min Scan# 2386
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:120 Resp: 423877

Ion	Ratio	Lower	Upper
120	100		
77	59.3	46.8	70.2

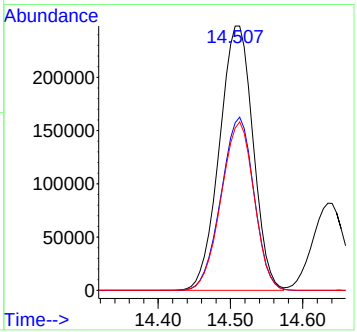


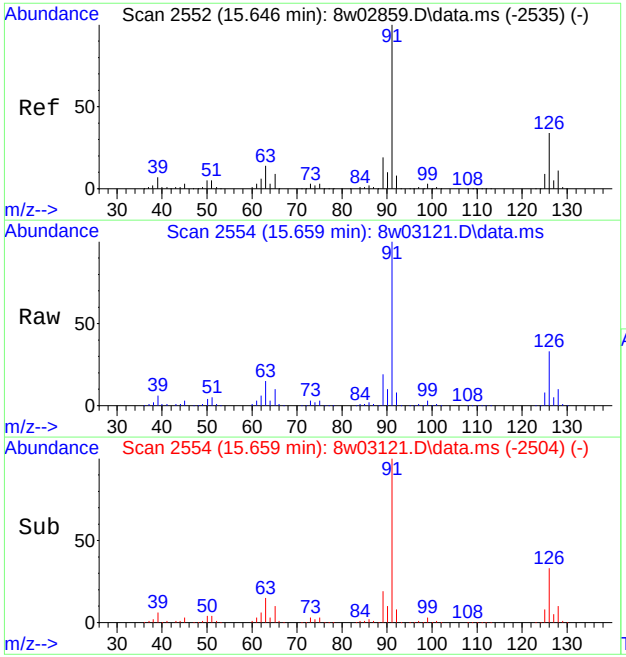


#89
BROMOBENZENE
Concen: 18.69 PPBV
RT: 14.507 min Scan# 2365
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 77 Resp: 802551

Ion	Ratio	Lower	Upper
77	100		
156	64.1	51.5	77.3
158	62.2	50.2	75.4

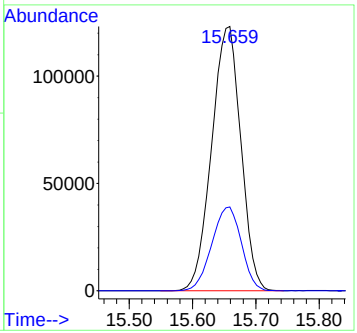


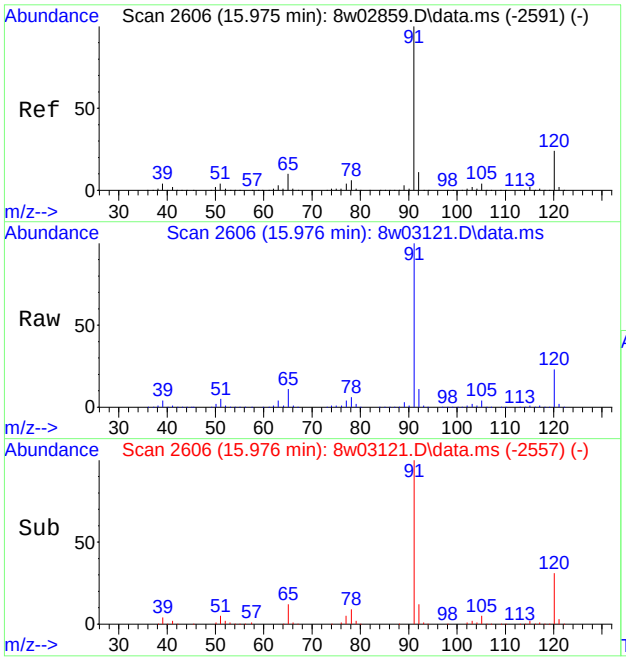


#90
2-CHLOROTOLUENE
Concen: 18.73 PPBV
RT: 15.659 min Scan# 2554
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:126 Resp: 394869

Ion	Ratio	Lower	Upper
126	100		
128	32.1	26.0	39.0

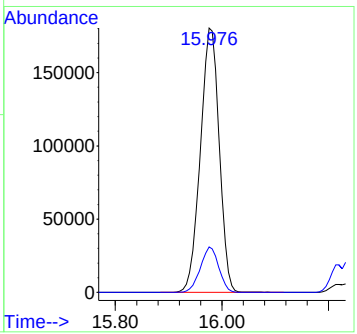


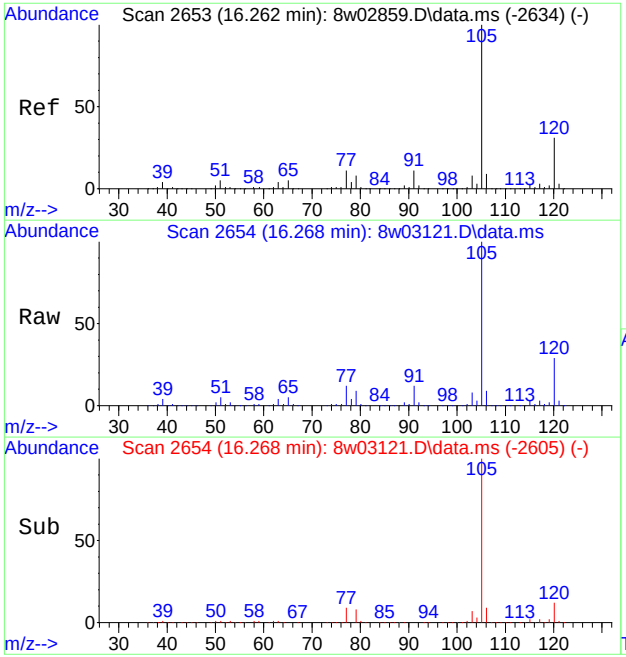


#91
N-PROPYLBENZENE
Concen: 18.41 PPBV
RT: 15.976 min Scan# 2606
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:120 Resp: 442409

Ion	Ratio	Lower	Upper
120	100		
105	16.8	13.3	19.9

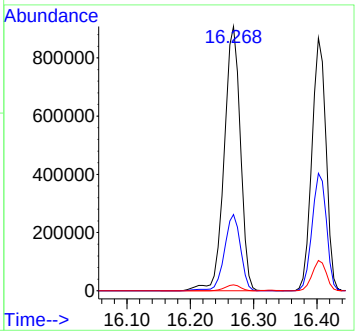


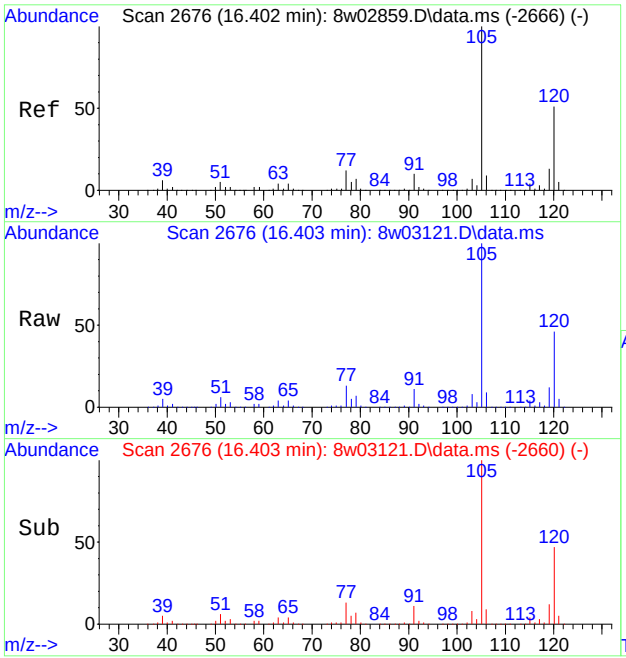


#92
4-ETHYLTOLUENE
Concen: 18.31 PPBV
RT: 16.268 min Scan# 2654
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:105 Resp: 1615436

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.2	34.8
119	2.3	1.8	2.8

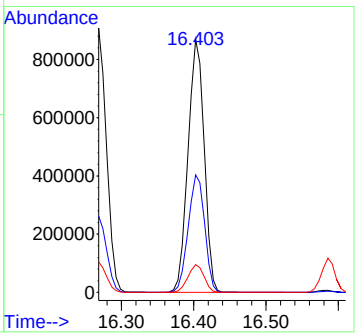


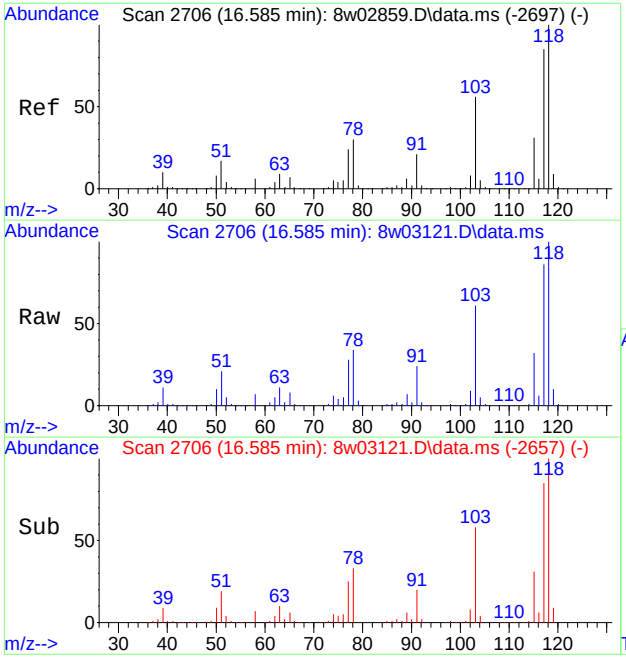


#93
1,3,5-TRIMETHYLBENZENE
Concen: 18.33 PPBV
RT: 16.403 min Scan# 2676
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:105 Resp: 1350546

Ion	Ratio	Lower	Upper
105	100		
120	47.2	38.2	57.4
91	10.9	8.7	13.1

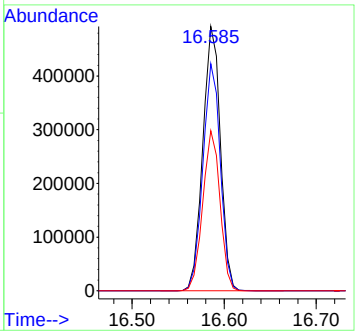


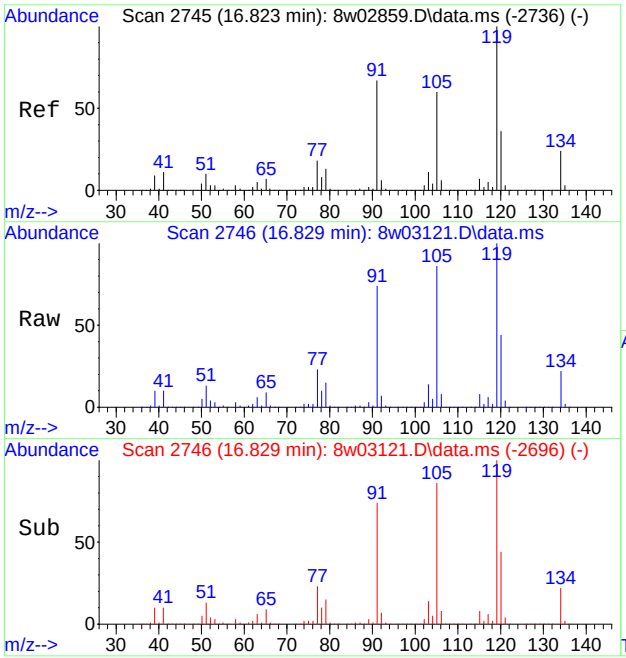


#94
ALPHA-METHYLSTYRENE
Concen: 18.14 PPBV
RT: 16.585 min Scan# 2706
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:118 Resp: 654533

Ion	Ratio	Lower	Upper
118	100		
117	85.3	68.5	102.7
103	59.3	46.9	70.3

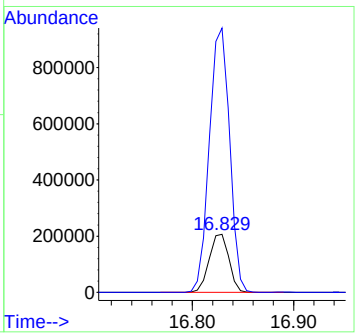


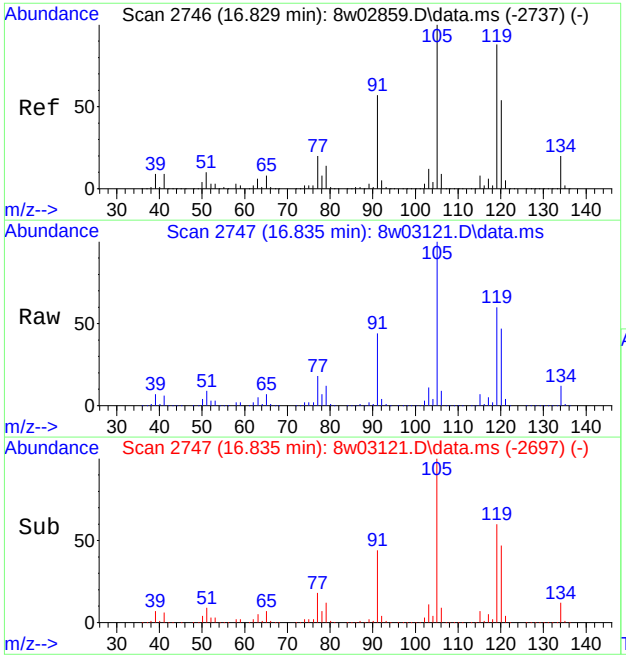


#95
TERT-BUTYLBENZENE
Concen: 17.68 PPBV
RT: 16.829 min Scan# 2746
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:134 Resp: 279832

Ion	Ratio	Lower	Upper
134	100		
119	469.8	376.4	564.6

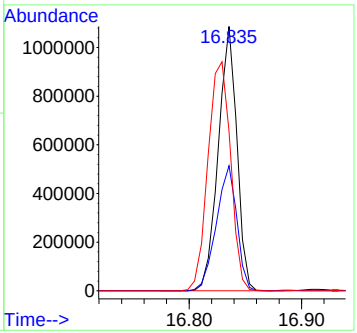


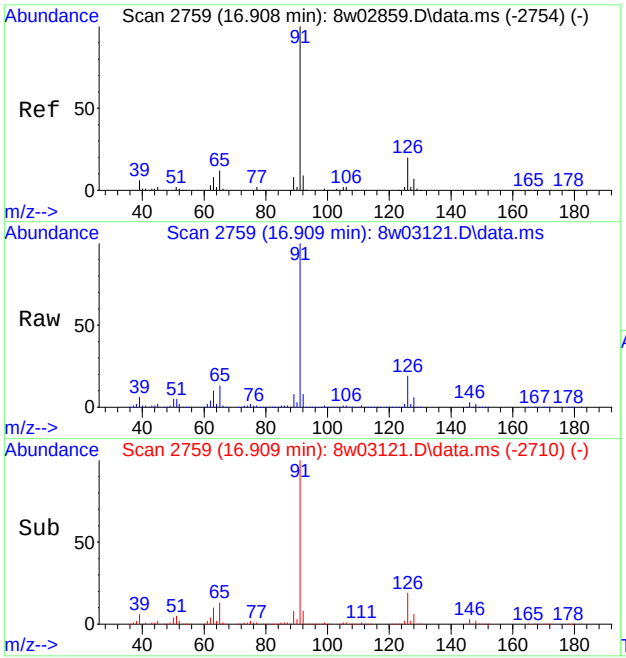


#96
1,2,4-TRIMETHYLBENZENE
Concen: 17.82 PPBV
RT: 16.835 min Scan# 2747
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:105 Resp: 1253558

Ion	Ratio	Lower	Upper
105	100		
120	52.2	42.1	63.1
119	104.9	84.6	127.0

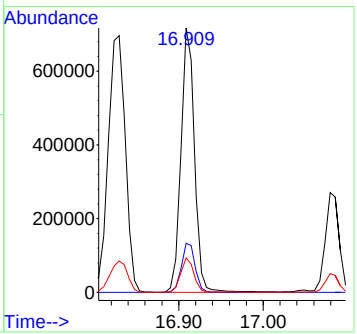


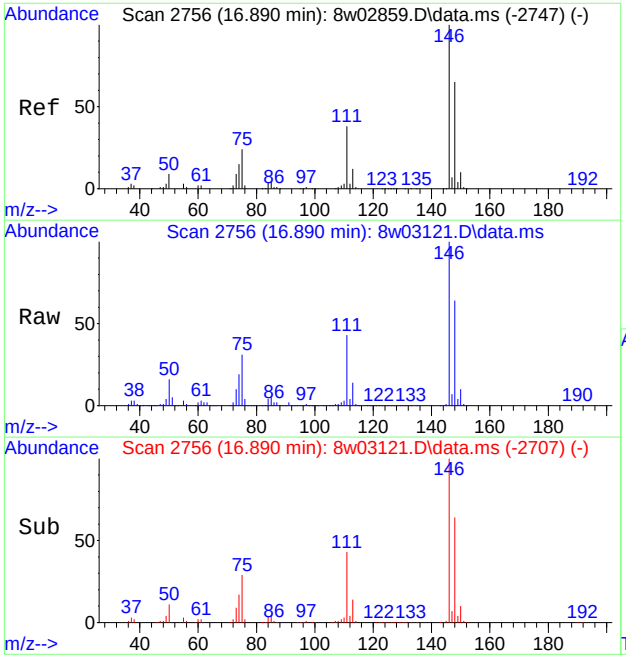


#97
BENZYL CHLORIDE
Concen: 22.35 PPBV
RT: 16.909 min Scan# 2759
Delta R.T. 0.001 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion: 91 Resp: 799762

Ion	Ratio	Lower	Upper
91	100		
126	18.9	15.2	22.8
65	12.9	10.3	15.5

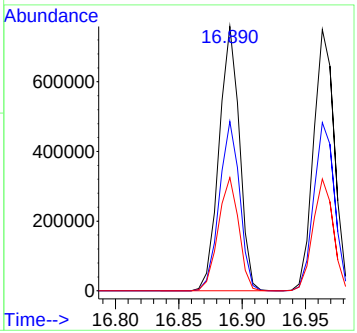


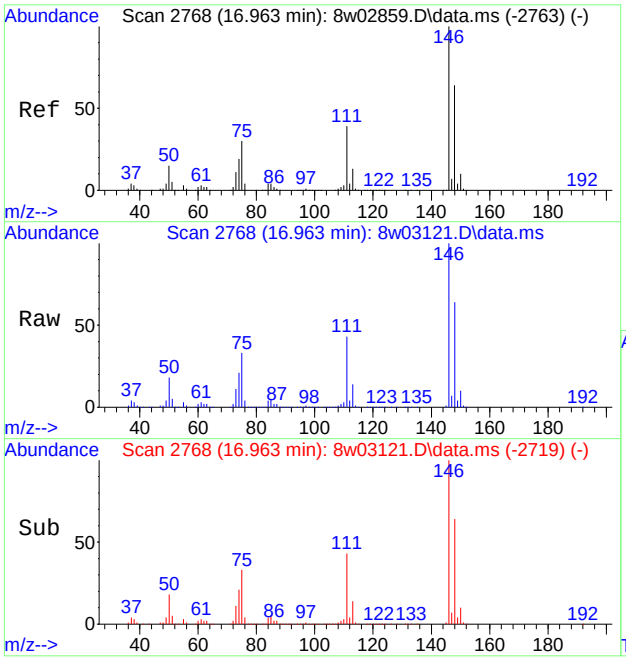


#98
M-DICHLOROBENZENE
Concen: 17.95 PPBV
RT: 16.890 min Scan# 2756
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:146 Resp: 849621

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
111	43.2	34.2	51.4

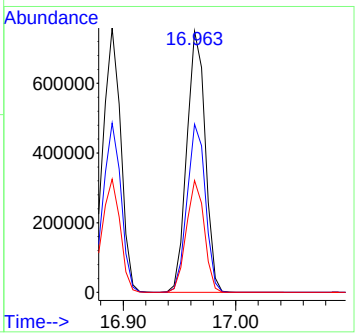




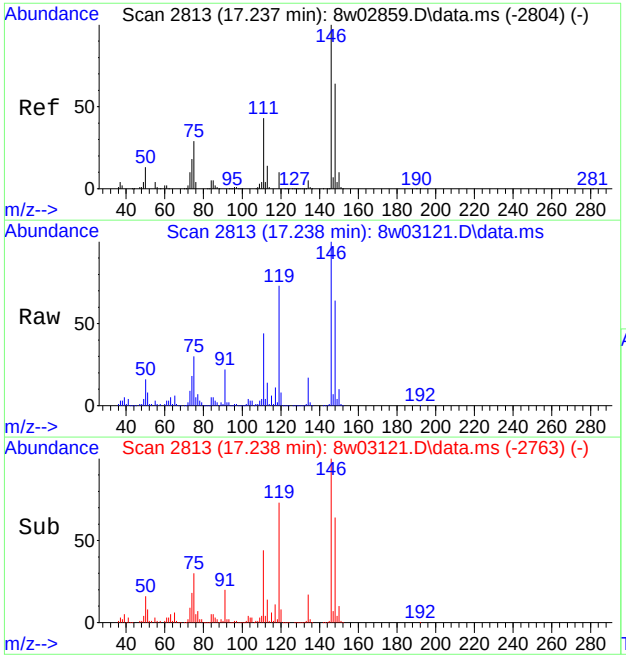
#99
P-DICHLOROBENZENE
Concen: 17.90 PPBV
RT: 16.963 min Scan# 2768
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:146 Resp: 854191

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
111	41.7	32.8	49.2



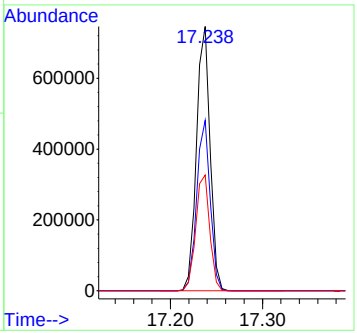
7.7.19

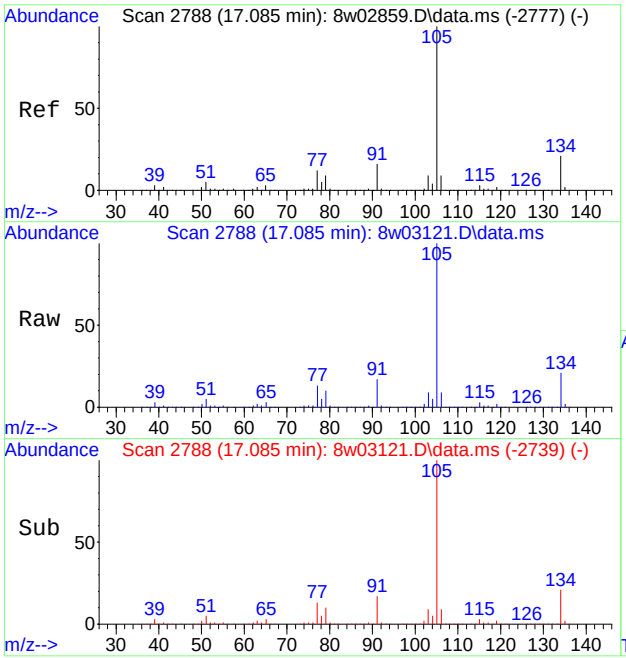


#100
O-DICHLOROBENZENE
Concen: 17.50 PPBV
RT: 17.238 min Scan# 2813
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:146 Resp: 766882

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.9	76.3
111	45.0	35.9	53.9

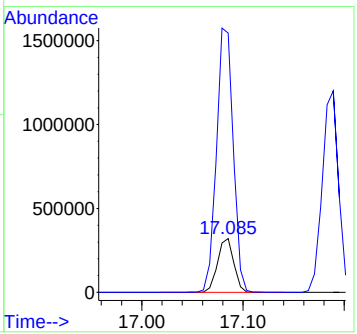


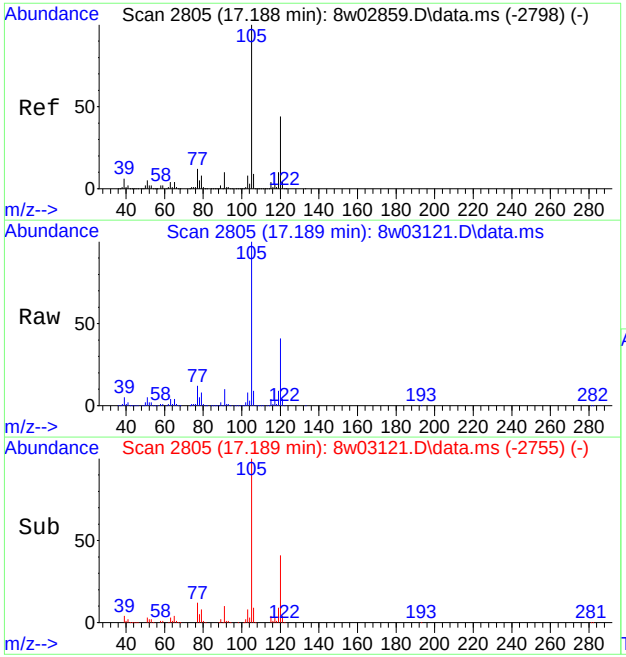


#101
SEC-BUTYLBENZENE
Concen: 17.67 PPBV
RT: 17.085 min Scan# 2788
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:134 Resp: 358808

Ion	Ratio	Lower	Upper
134	100		
105	505.2	405.0	607.6

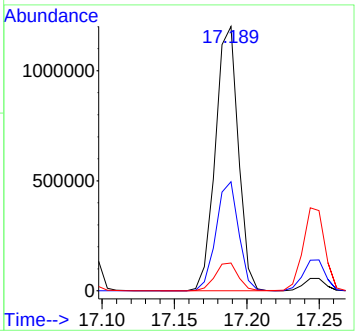


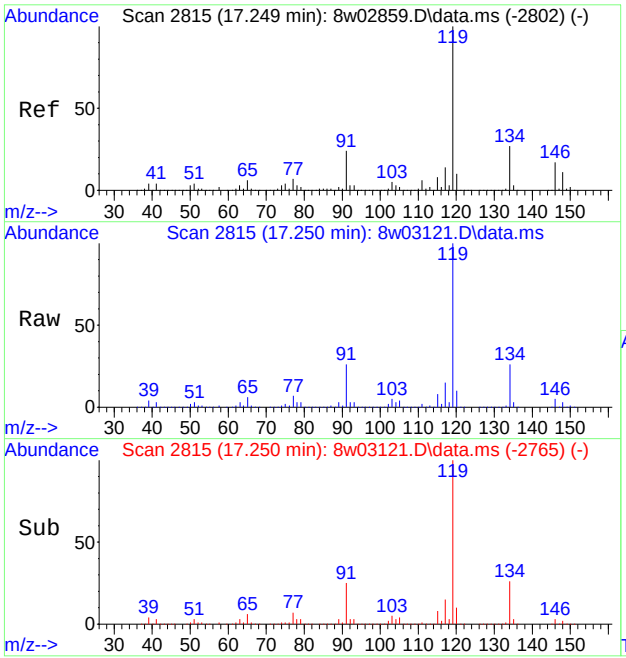


#102
1,2,3-TRIMETHYLBENZENE
Concen: 18.20 PPBV
RT: 17.189 min Scan# 2805
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:105 Resp: 1324930

Ion	Ratio	Lower	Upper
105	100		
120	40.9	32.6	49.0
91	10.7	8.4	12.6

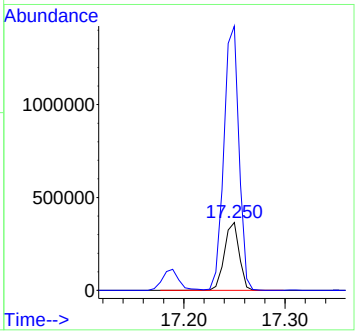


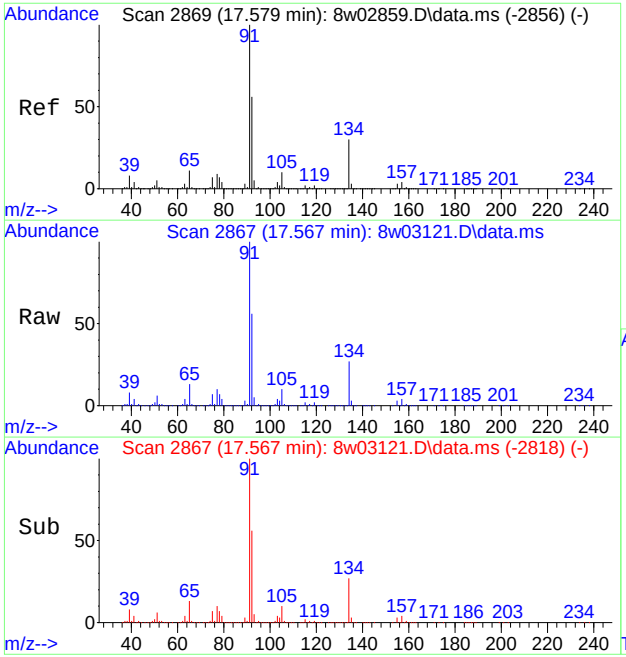


#103
P-ISOPROPYLTOLUENE
Concen: 17.39 PPBV
RT: 17.250 min Scan# 2815
Delta R.T. 0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:134 Resp: 374567

Ion	Ratio	Lower	Upper
134	100		
119	394.8	316.6	474.8

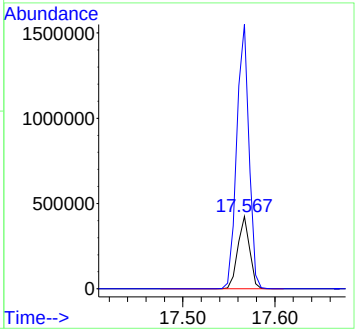


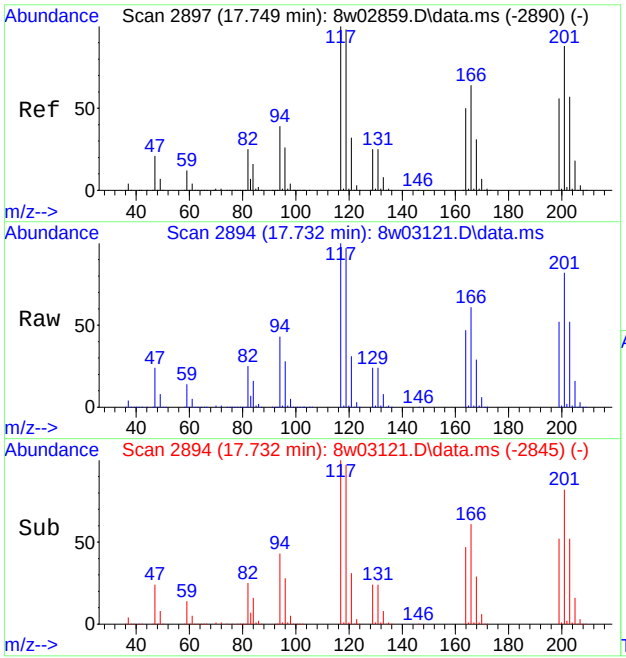


#104
N-BUTYLBENZENE
Concen: 17.85 PPBV
RT: 17.567 min Scan# 2867
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:134 Resp: 379118

Ion	Ratio	Lower	Upper
134	100		
91	377.9	305.3	457.9

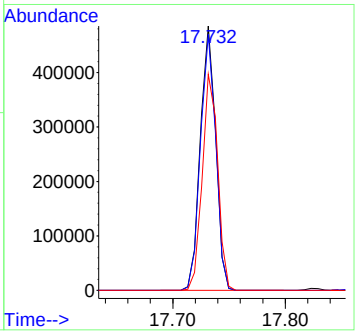




#105
HEXACHLOROETHANE
Concen: 19.04 PPBV
RT: 17.732 min Scan# 2894
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

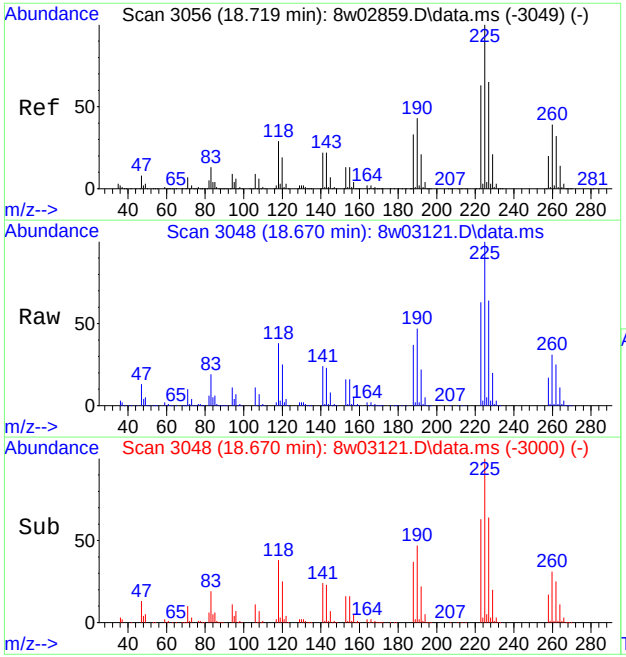
Tgt Ion:117 Resp: 460831

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.0	115.6
201	82.3	64.2	96.2



7.7.19

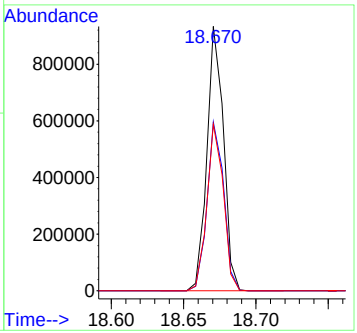
7

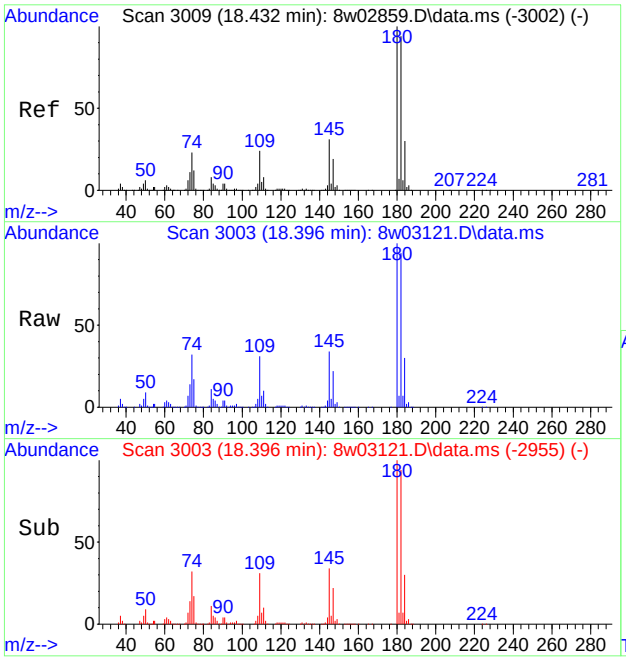


#106
HEXACHLOROBUTADIENE
Concen: 19.64 PPBV
RT: 18.670 min Scan# 3048
Delta R.T. -0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:225 Resp: 743609

Ion	Ratio	Lower	Upper
225	100		
227	64.4	51.2	76.8
223	62.8	50.2	75.4

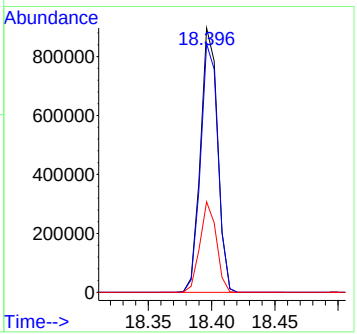


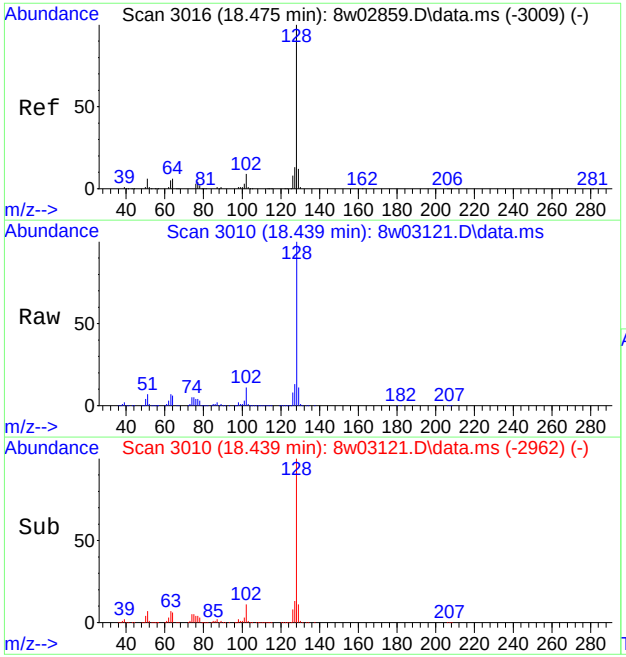


#107
1,2,4-TRICHLOROBENZENE
Concen: 19.07 PPBV
RT: 18.396 min Scan# 3003
Delta R.T. -0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:180 Resp: 847991

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	32.8	26.2	39.2

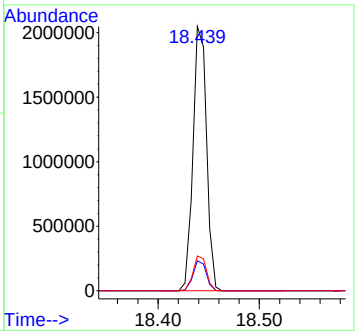


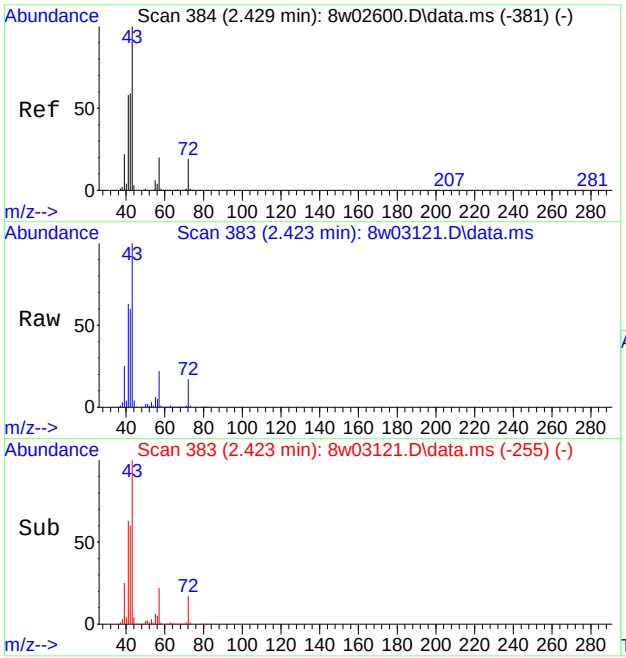


#108
NAPHTHALENE
Concen: 18.83 PPBV
RT: 18.439 min Scan# 3010
Delta R.T. -0.006 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:128 Resp: 1907174

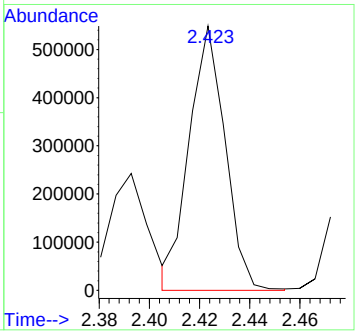
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.0	10.2	15.2





#110
TVHC as equiv Pentane
Concen: 12.35 PPBV m
RT: 2.423 min Scan# 383
Delta R.T. 0.000 min
Lab File: 8w03121.D
Acq: 20 Dec 2023 01:14 am

Tgt Ion:TIC Resp: 542682



Manual Integration Approval Summary

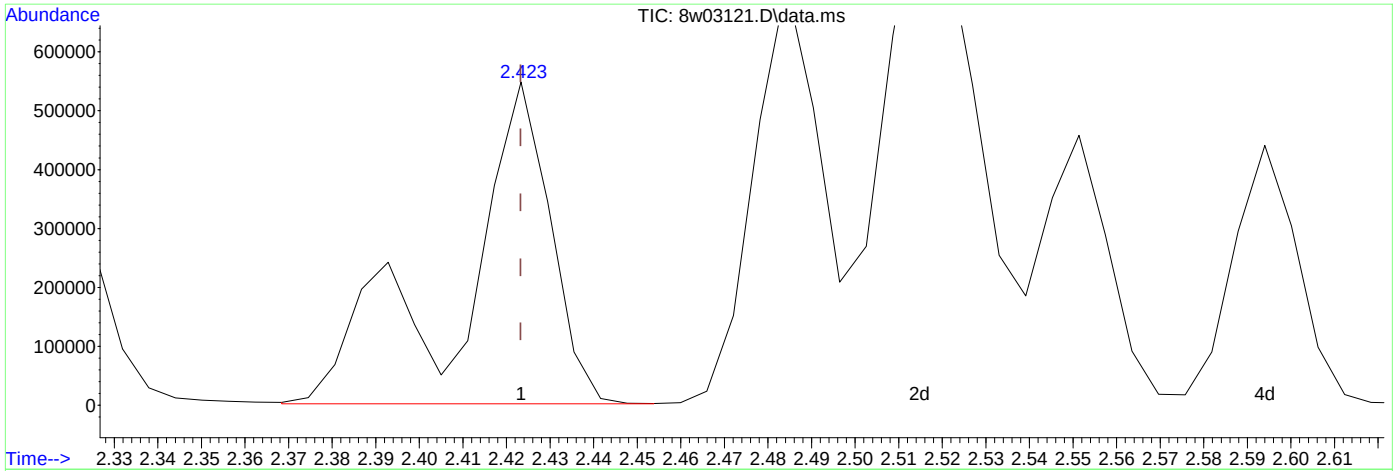
Sample Number:	V8W124-IC0124	**Method:**	TO-15
Lab FileID:	8W03121.D	**Analyst approved:**	12/21/23 10:34 Taylor Sauter
Injection Time:	12/20/23 01:14	**Supervisor approved:**	12/21/23 12:35 Kanya Veerawat

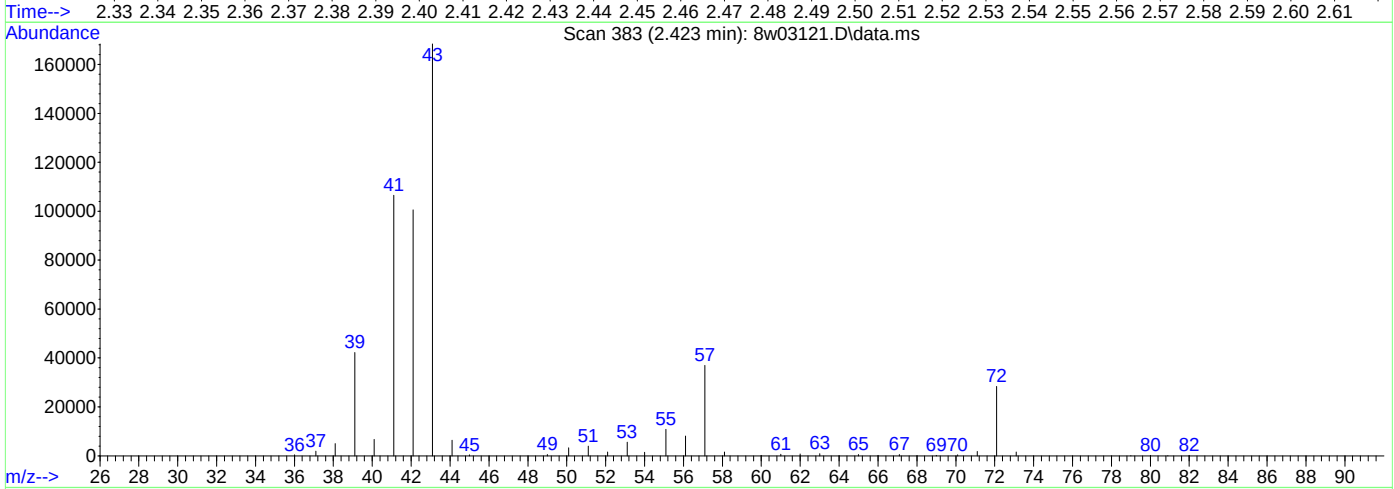
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03121.D
Acq On : 20 Dec 2023 01:14 am
Operator : taylors
Sample : ic0124-20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 08:36:41 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration





TIC: 8w03121.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 17.98PPBV

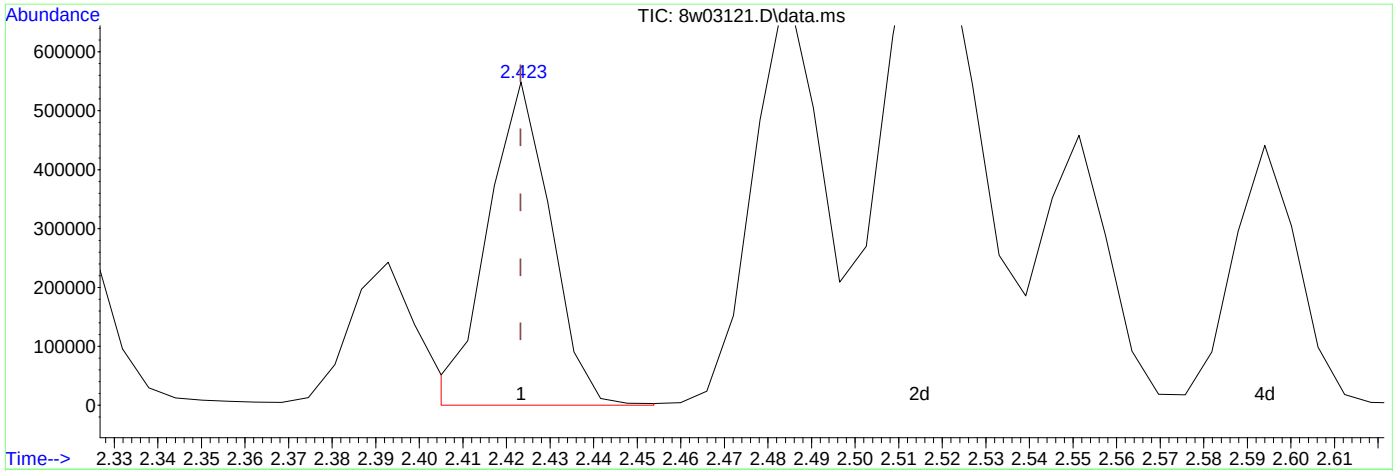
response 790147

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03121.D
Acq On : 20 Dec 2023 01:14 am
Operator : taylors
Sample : ic0124-20
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 08:36:41 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03121.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 12.35PPBV m

response 542682

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/21/23 12:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03122.D
Acq On : 20 Dec 2023 01:55 am
Operator : taylors
Sample : ic0124-40
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:54:42 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	153344	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	768365	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.727	117	732349	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	153344	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.159	95	565904	9.99	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	318570	34.72	PPBV		100
4) CHLORODIFLUOROMETHANE	1.752	67	141212	35.18	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.765	116	616747	32.55	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.783	85	1023646	31.45	PPBV		100
7) PROPYLENE	1.765	41	252092	28.49	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	728190	33.86	PPBV	#	100
9) FREON 114	1.856	85	817957	33.44	PPBV		98
10) CHLOROMETHANE	1.826	52	56080	33.61	PPBV		97
11) VINYL CHLORIDE	1.893	62	256060	34.51	PPBV		99
12) 1,3-BUTADIENE	1.935	54	172110	33.60	PPBV		99
13) N-BUTANE	1.948	43	274506	32.97	PPBV		99
14) BROMOMETHANE	2.015	94	272841	35.35	PPBV		100
15) CHLOROETHANE	2.063	64	140335	34.68	PPBV		99
16) DICHLOROFLUOROMETHANE	2.088	67	657366	33.47	PPBV		100
17) ACETONITRILE	2.161	41	157016	33.32	PPBV		100
18) ACROLEIN	2.204	56	112254	33.88	PPBV		98
19) FREON 123	2.216	83	649841	33.21	PPBV		99
20) FREON 123A	2.240	117	439129	34.41	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.307	101	1019398	34.11	PPBV		100
22) ISOPROPYL ALCOHOL	2.319	45	440623	33.59	PPBV		99
23) ACETONE	2.240	58	113600	32.43	PPBV		98
24) PENTANE	2.423	42	184888	32.90	PPBV		98
25) IODOMETHANE	2.484	142	811267	35.75	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.515	96	276832	35.00	PPBV		95
27) CARBON DISULFIDE	2.655	76	590537	34.59	PPBV	#	100
28) ETHANOL	2.094	45	90981	32.09	PPBV		98
29) BROMOETHENE	2.173	106	284267	35.06	PPBV		99
30) ACRYLONITRILE	2.393	52	162828	34.74	PPBV		99
31) METHYLENE CHLORIDE	2.551	84	242359	35.31	PPBV		97
32) 3-CHLOROPROPENE	2.594	76	127453	36.64	PPBV		95
33) FREON 113	2.655	151	558888	35.25	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.905	96	493823	35.96	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.527	59	591651	34.25	PPBV		98
36) METHYL TERTIARY BUTYL ...	3.027	73	1445242	35.86	PPBV		100
37) TETRAHYDROFURAN	3.783	72	248641	35.24	PPBV		94
38) HEXANE	3.533	57	631331	27.42	PPBV		98
39) VINYL ACETATE	3.069	86	141798	36.96	PPBV		89
40) 1,1-DICHLOROETHANE	2.990	63	910598	35.06	PPBV		99
41) METHYL ETHYL KETONE	3.173	72	257693	34.87	PPBV		91
42) CIS-1,2-DICHLOROETHENE	3.392	96	560356	34.70	PPBV		99
43) DIISOPROPYL ETHER	3.545	59	194090	27.95	PPBV		85
44) ETHYL ACETATE	3.545	61	119612	27.39	PPBV		94
45) METHYL ACRYLATE	3.527	55	819762	29.04	PPBV	#	99
46) CHLOROFORM	3.563	83	1030123	33.60	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.100	57	978753	32.89	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.185	97	1190494	37.17	PPBV		99
49) CARBON TETRACHLORIDE	4.642	117	1255582	38.39	PPBV		99
50) 1,2-DICHLOROETHANE	4.008	62	808136	35.66	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03122.D
Acq On : 20 Dec 2023 01:55 am
Operator : taylors
Sample : ic0124-40
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:54:42 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.520	78	1560659	35.26	PPBV		99
53)	CYCLOHEXANE	4.752	84	730320	35.97	PPBV		98
54)	2,3-DIMETHYLPENTANE	5.026	71	359318	35.17	PPBV		96
55)	TRICHLOROETHENE	5.496	95	730501	35.21	PPBV		99
56)	1,2-DICHLOROPROPANE	5.246	63	603646	35.82	PPBV		100
57)	DIBROMOMETHANE	5.203	174	687286	36.26	PPBV		99
58)	ETHYL ACRYLATE	5.368	55	1305402	36.28	PPBV		100
59)	BROMODICHLOROMETHANE	5.435	83	1250675	37.36	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.593	57	2596681	33.39	PPBV		100
61)	1,4-DIOXANE	5.502	88	368384	33.76	PPBV		99
62)	HEPTANE	5.935	43	809003	33.28	PPBV		97
63)	METHYL METHACRYLATE	5.819	69	604460	36.83	PPBV		97
64)	METHYL ISOBUTYL KETONE	6.599	58	524313	35.45	PPBV		97
65)	CIS-1,3-DICHLOROPROPENE	6.489	75	959241	39.68	PPBV		98
66)	TOLUENE	7.764	91	2025551	36.41	PPBV		100
67)	1,3-DICHLOROPROPANE	7.825	76	998165	36.80	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.209	75	902600	42.26	PPBV		98
69)	1,1,2-TRICHLOROETHANE	7.373	83	581753	37.41	PPBV		99
70)	2-HEXANONE	8.355	58	697895	35.35	PPBV		96
71)	ETHYL METHACRYLATE	8.495	69	1006142	38.29	PPBV		98
72)	TETRACHLOROETHENE	9.562	164	819773	36.66	PPBV		100
73)	DIBROMOCHLOROMETHANE	8.318	129	1280806	39.35	PPBV		100
74)	1,2-DIBROMOETHANE	8.684	107	1123296	37.82	PPBV		100
75)	OCTANE	9.708	43	1166177	35.23	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.824	131	876989	35.97	PPBV		98
78)	CHLOROBENZENE	10.812	112	1611337	33.83	PPBV		100
79)	ETHYLBENZENE	11.714	91	2785483	35.03	PPBV		99
80)	M,P-XYLENE	12.159	91	4342648	70.09	PPBV	#	60
81)	O-XYLENE	13.104	91	2121934	33.90	PPBV		99
82)	STYRENE	12.885	104	1683246	35.01	PPBV		99
83)	NONANE	14.238	43	1210370	32.20	PPBV		98
84)	BROMOFORM	11.964	173	1278232	39.92	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	13.122	83	1406965	32.79	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	13.409	75	1221666	35.12	PPBV		100
88)	ISOPROPYLBENZENE	14.647	120	805348	34.46	PPBV		98
89)	BROMOBENZENE	14.519	77	1529491	35.18	PPBV		100
90)	2-CHLOROTOLUENE	15.659	126	758201	35.51	PPBV		99
91)	N-PROPYLBENZENE	15.982	120	831991	34.20	PPBV		99
92)	4-ETHYLTOLUENE	16.274	105	3007138	33.67	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.408	105	2500603	33.51	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.591	118	1198243	32.80	PPBV		99
95)	TERT-BUTYLBENZENE	16.829	134	503289	31.40	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.841	105	2203640	30.94	PPBV		99
97)	BENZYL CHLORIDE	16.914	91	1773461	48.95	PPBV		100
98)	M-DICHLOROBENZENE	16.896	146	1553647	32.41	PPBV		99
99)	P-DICHLOROBENZENE	16.969	146	1574875	32.60	PPBV		99
100)	O-DICHLOROBENZENE	17.238	146	1370367	30.89	PPBV		99
101)	SEC-BUTYLBENZENE	17.085	134	652871	31.75	PPBV		92
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	2439997	33.11	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.250	134	658976	30.23	PPBV		96
104)	N-BUTYLBENZENE	17.573	134	676574	31.46	PPBV		89
105)	HEXACHLOROETHANE	17.737	117	855211	34.89	PPBV		94
106)	HEXACHLOROBUTADIENE	18.676	225	1551917	40.49	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.402	180	1753519	38.95	PPBV		100
108)	NAPHTHALENE	18.445	128	3616611	35.26	PPBV		98
110)	TVHC as equiv Pentane	2.423	TIC	1024359m	23.11	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03122.D
Acq On : 20 Dec 2023 01:55 am
Operator : taylors
Sample : ic0124-40
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:54:42 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

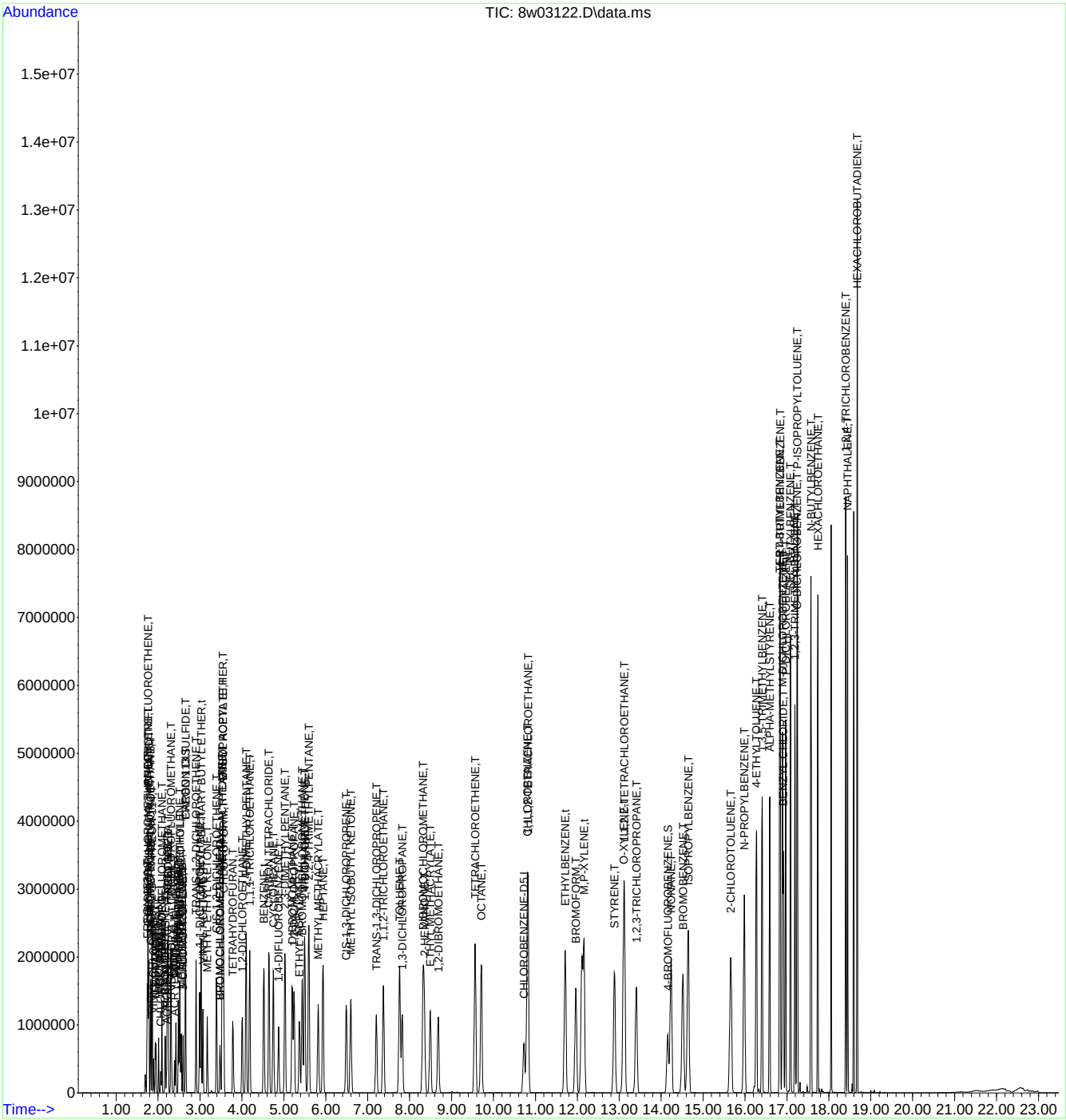
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

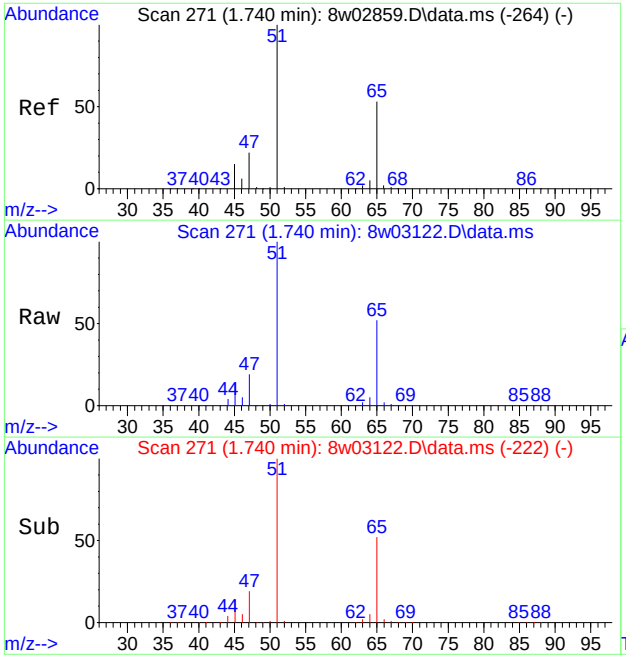
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03122.D
Acq On : 20 Dec 2023 01:55 am
Operator : taylors
Sample : ic0124-40
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:54:42 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

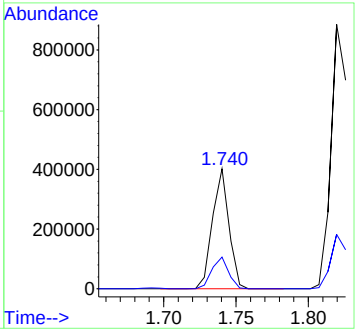


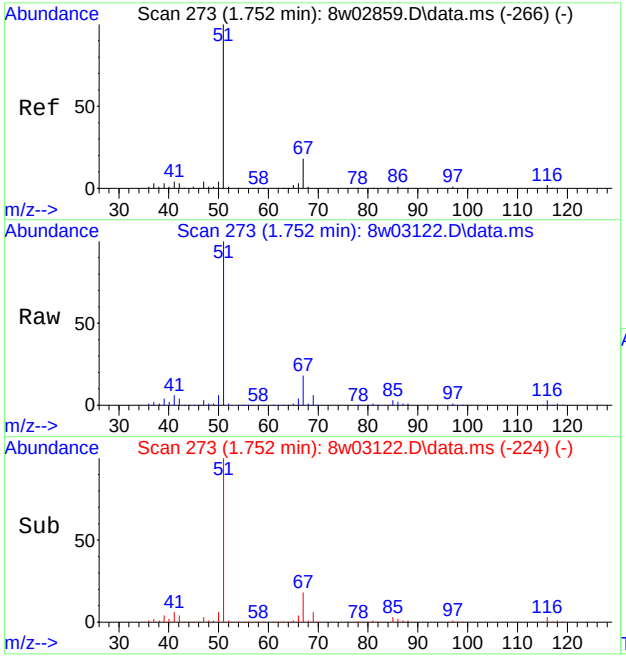


#3
FREON 152A
Concen: 34.72 PPBV
RT: 1.740 min Scan# 271
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 65 Resp: 318570

Ion	Ratio	Lower	Upper
65	100		
45	26.8	21.5	32.3

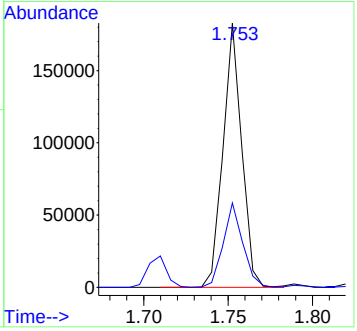


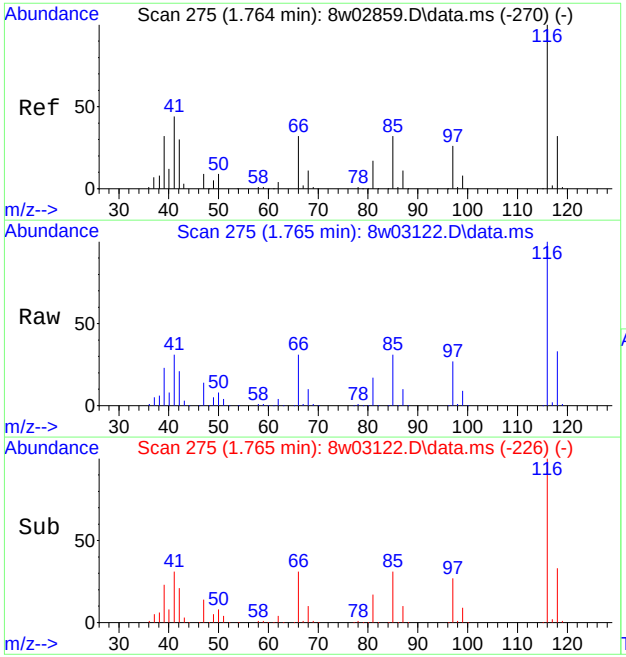


#4
CHLORODIFLUOROMETHANE
Concen: 35.18 PPBV
RT: 1.752 min Scan# 273
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 67 Resp: 141212

Ion	Ratio	Lower	Upper
67	100		
69	34.3	27.3	40.9

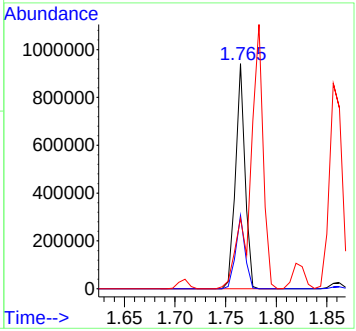


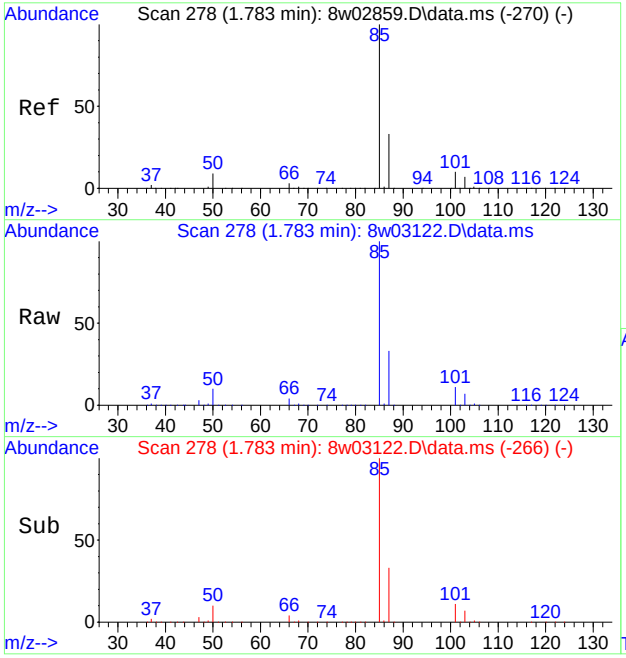


#5
CHLOROTRIFLUOROETHENE
Concen: 32.55 PPBV
RT: 1.765 min Scan# 275
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:116 Resp: 616747

Ion	Ratio	Lower	Upper
116	100		
118	32.6	26.1	39.1
85	166.0	137.4	206.2

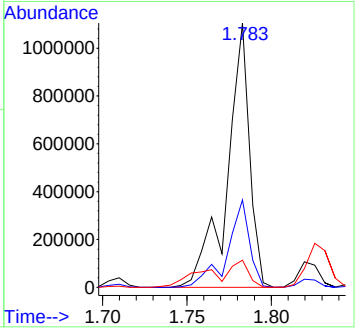


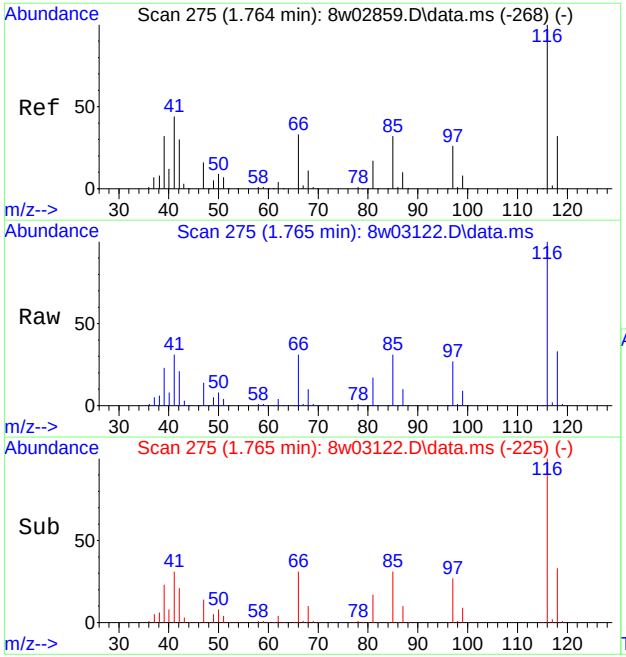


#6
DICHLORODIFLUOROMETHANE
Concen: 31.45 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 85 Resp: 1023646

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.3	39.5
50	17.5	13.8	20.6

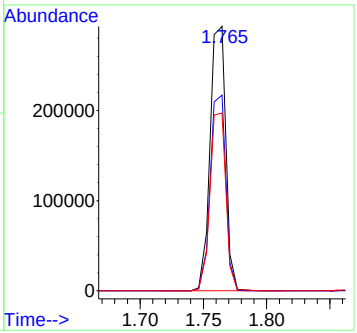


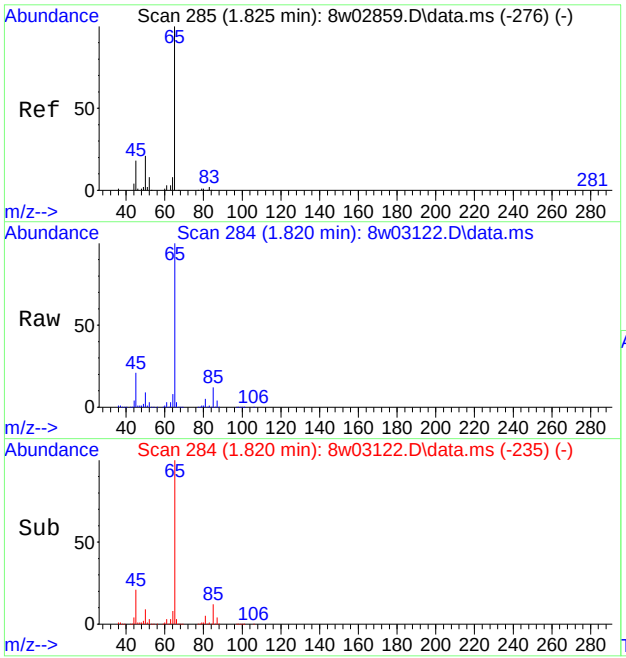


#7
PROPYLENE
Concen: 28.49 PPBV
RT: 1.765 min Scan# 275
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 41 Resp: 252092

Ion	Ratio	Lower	Upper
41	100		
39	73.6	55.8	83.6
42	67.7	53.8	80.6

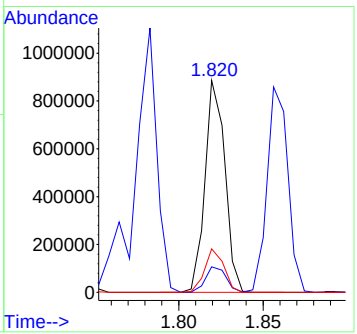


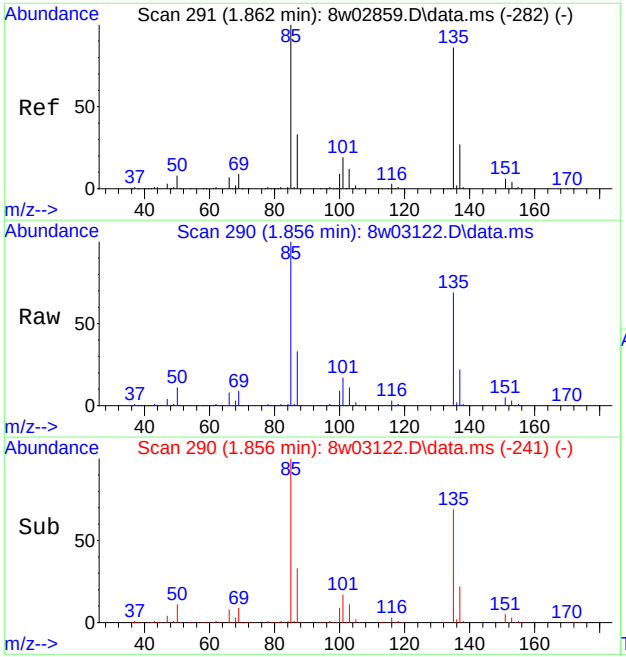


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 33.86 PPBV
RT: 1.820 min Scan# 284
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 65 Resp: 728190

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	20.0	15.9	23.9

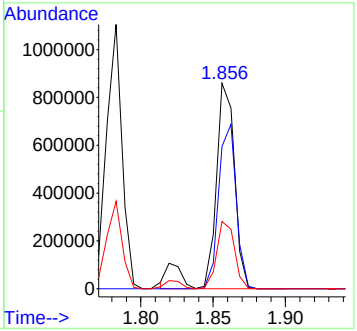


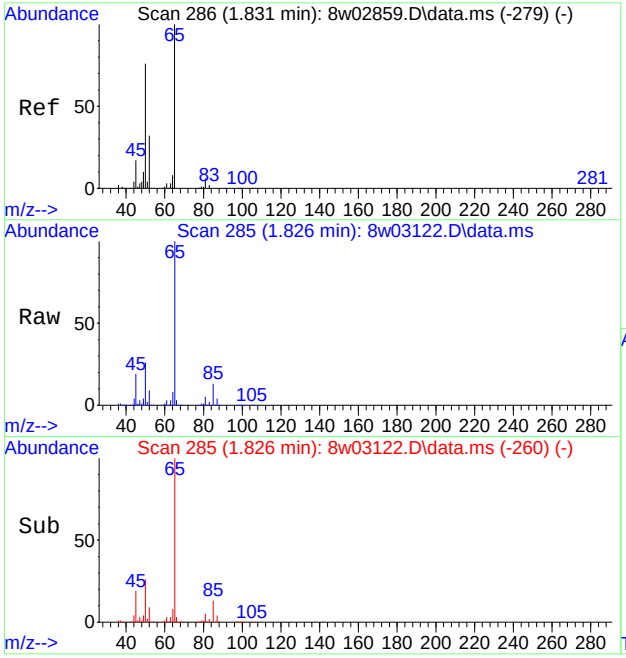


#9
FREON 114
Concen: 33.44 PPBV
RT: 1.856 min Scan# 290
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 85 Resp: 817957

Ion	Ratio	Lower	Upper
85	100		
135	71.2	54.9	82.3
87	32.7	25.8	38.8

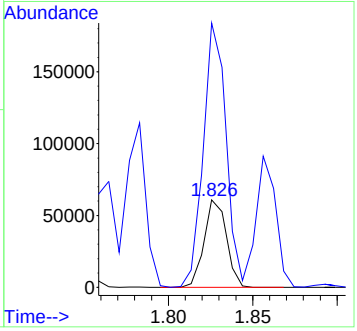


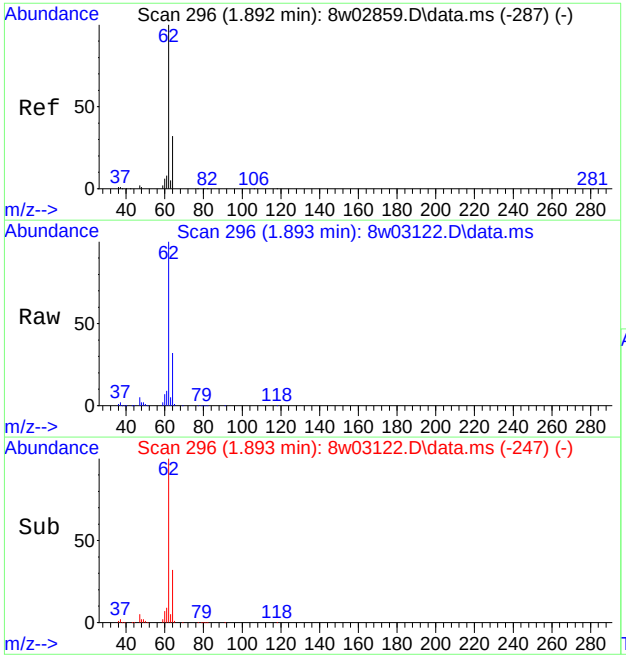


#10
CHLOROMETHANE
Concen: 33.61 PPBV
RT: 1.826 min Scan# 285
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 52 Resp: 56080

Ion	Ratio	Lower	Upper
52	100		
50	440.2	358.1	537.1

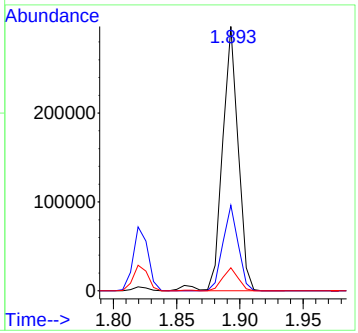


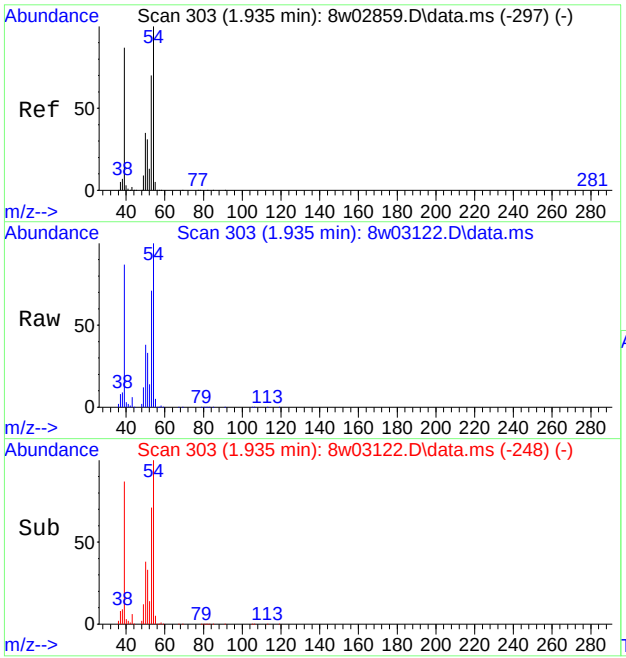


#11
VINYL CHLORIDE
Concen: 34.51 PPBV
RT: 1.893 min Scan# 296
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 62 Resp: 256060

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.9	37.3
61	8.9	7.0	10.4

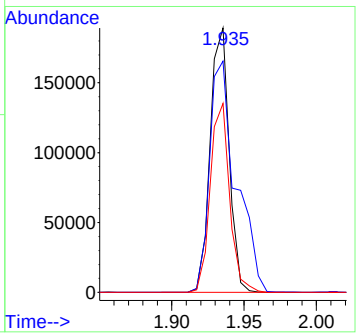


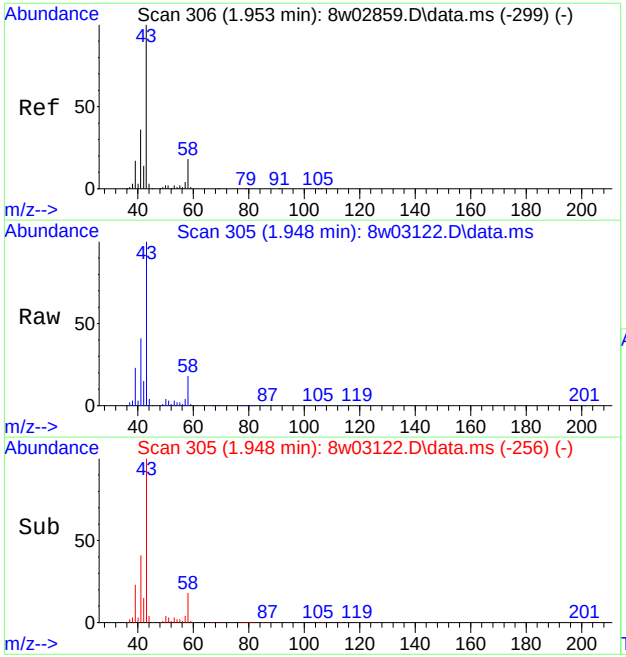


#12
1,3-BUTADIENE
Concen: 33.60 PPBV
RT: 1.935 min Scan# 303
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 54 Resp: 172110

Ion	Ratio	Lower	Upper
54	100		
39	122.6	101.6	141.6
53	73.4	51.8	91.8

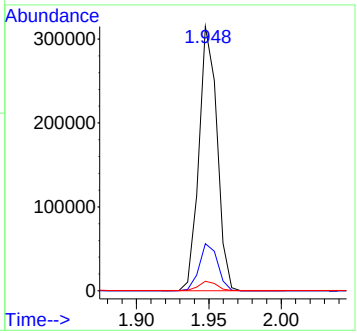


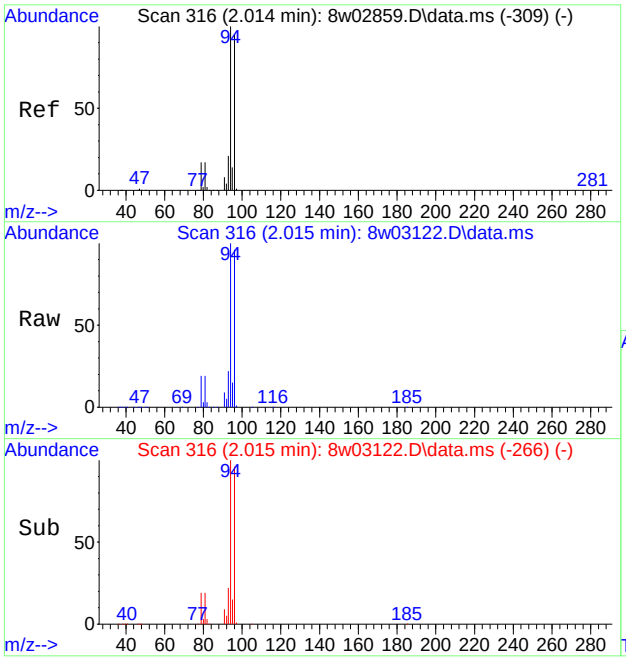


#13
N-BUTANE
Concen: 32.97 PPBV
RT: 1.948 min Scan# 305
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 43 Resp: 274506

Ion	Ratio	Lower	Upper
43	100		
58	18.2	14.2	21.4
44	3.6	2.9	4.3

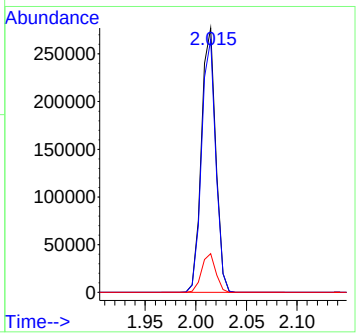


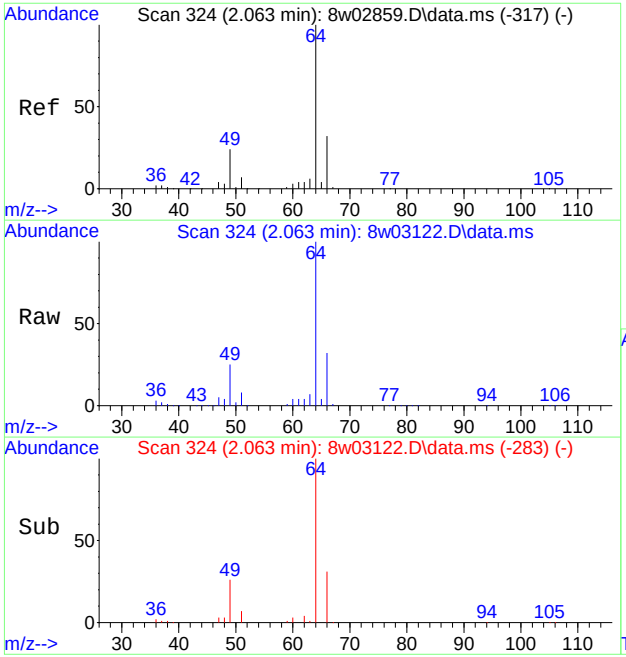


#14
BROMOMETHANE
Concen: 35.35 PPBV
RT: 2.015 min Scan# 316
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 94 Resp: 272841

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.0	114.0
95	14.5	11.5	17.3

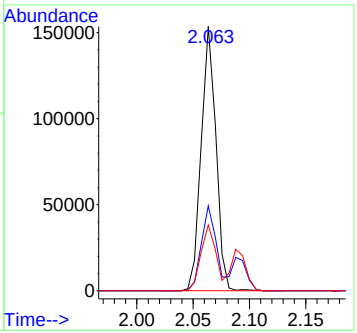


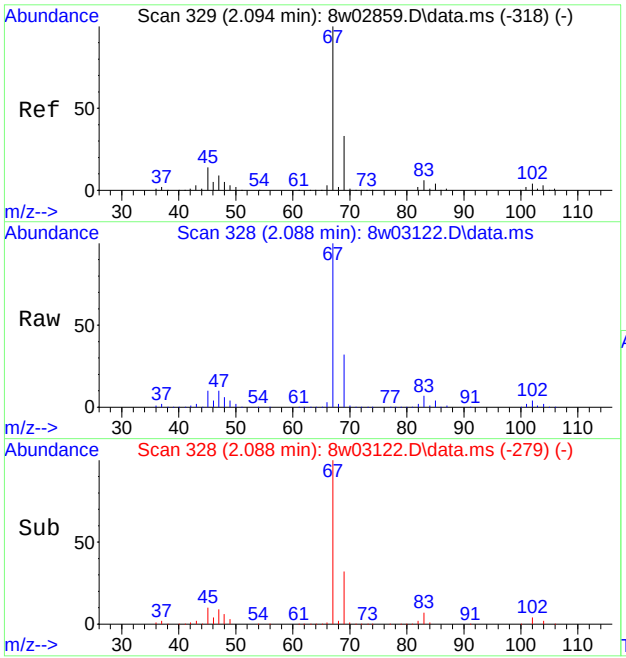


#15
CHLOROETHANE
Concen: 34.68 PPBV
RT: 2.063 min Scan# 324
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 64 Resp: 140335

Ion	Ratio	Lower	Upper
64	100		
66	45.6	36.3	54.5
49	41.6	33.8	50.8

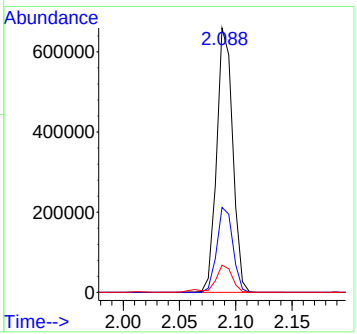


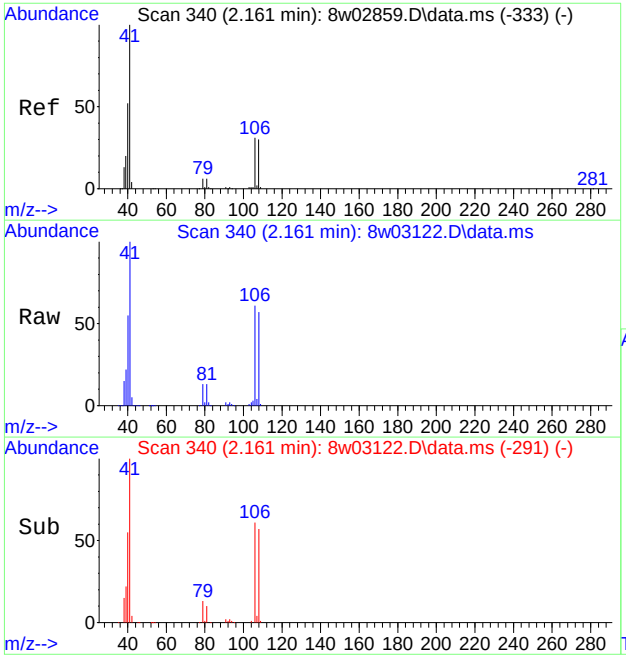


#16
DICHLOROFLUOROMETHANE
Concen: 33.47 PPBV
RT: 2.088 min Scan# 328
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 67 Resp: 657366

Ion	Ratio	Lower	Upper
67	100		
69	32.3	25.7	38.5
47	11.1	8.7	13.1

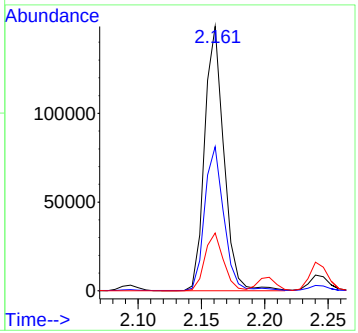


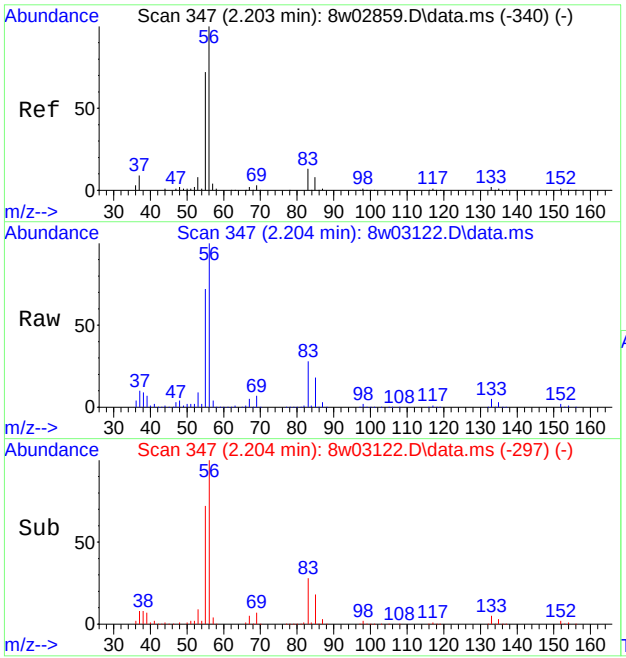


#17
ACETONITRILE
Concen: 33.32 PPBV
RT: 2.161 min Scan# 340
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 41 Resp: 157016

Ion	Ratio	Lower	Upper
41	100		
40	54.5	43.3	64.9
39	22.1	17.8	26.6

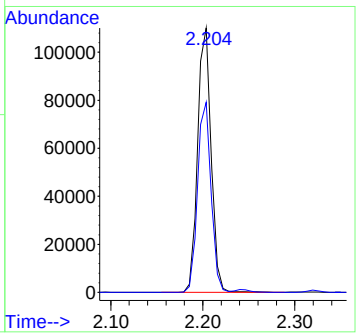


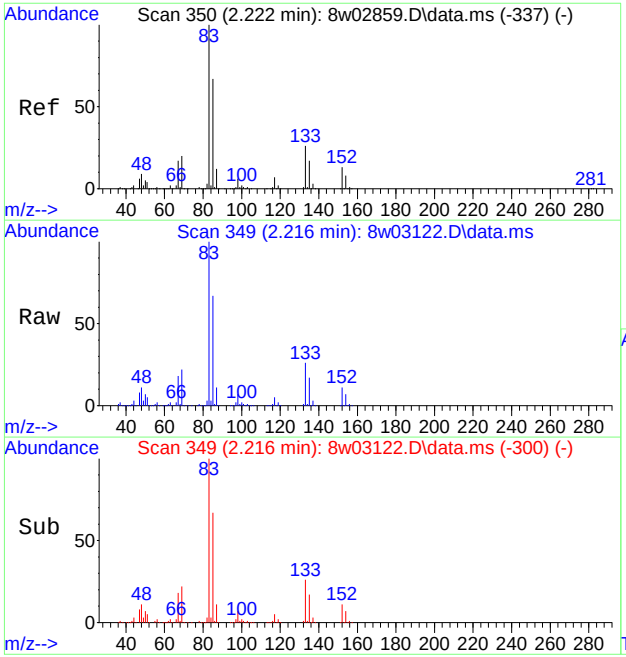


#18
ACROLEIN
Concen: 33.88 PPBV
RT: 2.204 min Scan# 347
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 56 Resp: 112254

Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.2	85.8

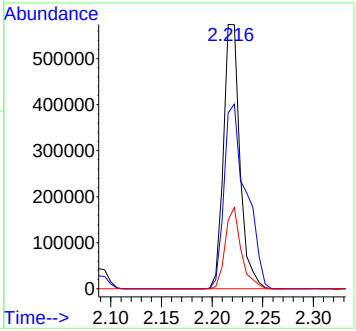


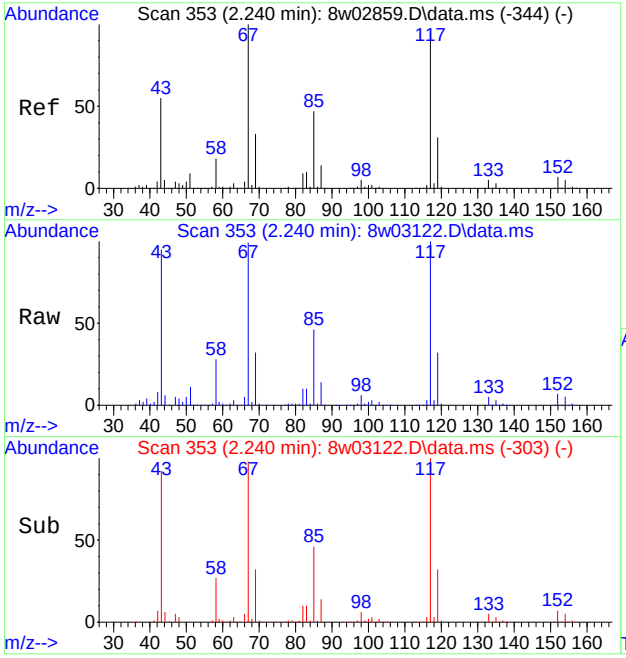


#19
FREON 123
Concen: 33.21 PPBV
RT: 2.216 min Scan# 349
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 83 Resp: 649841

Ion	Ratio	Lower	Upper
83	100		
85	93.1	73.7	110.5
133	29.8	22.6	34.0

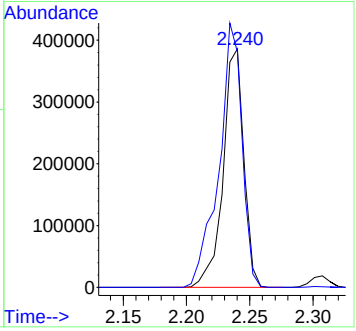


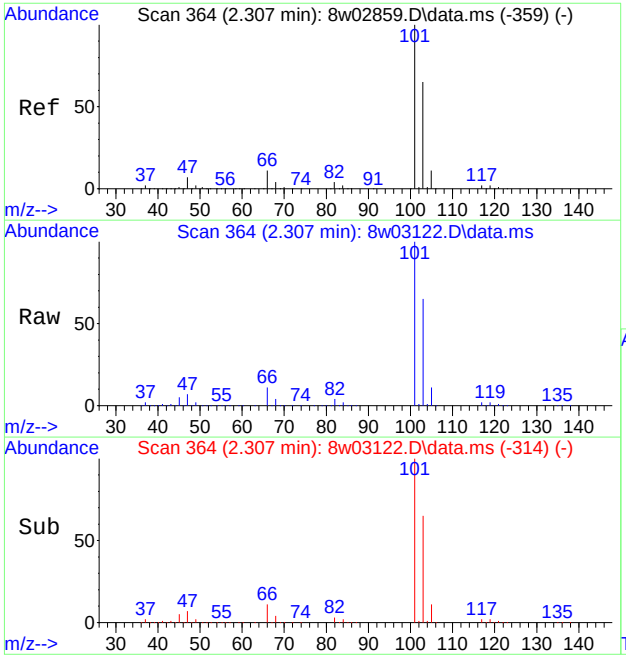


#20
FREON 123A
Concen: 34.41 PPBV
RT: 2.240 min Scan# 353
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:117 Resp: 439129

Ion	Ratio	Lower	Upper
117	100		
67	123.1	103.7	155.5

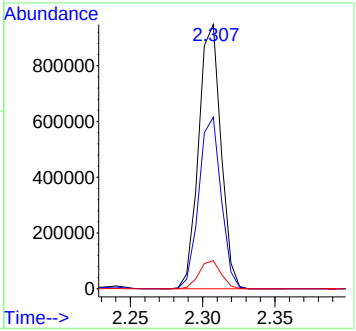


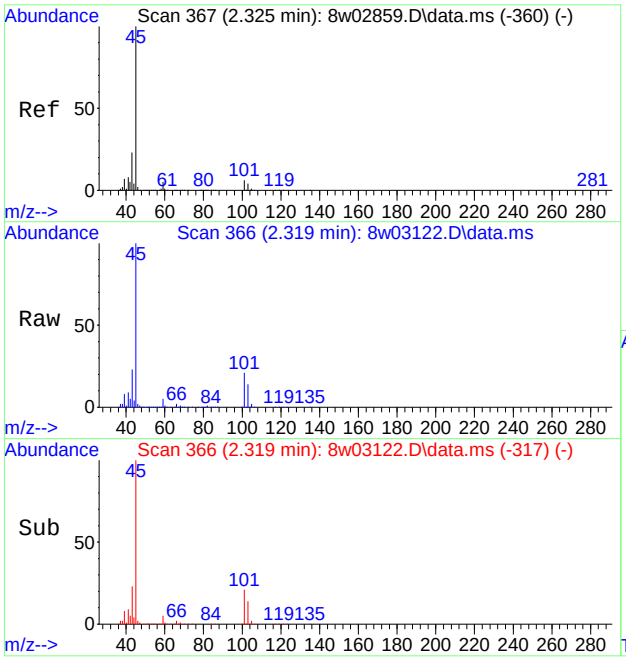


#21
TRICHLOROFLUOROMETHANE
Concen: 34.11 PPBV
RT: 2.307 min Scan# 364
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:101 Resp: 1019398

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.0	78.0
105	10.6	8.3	12.5

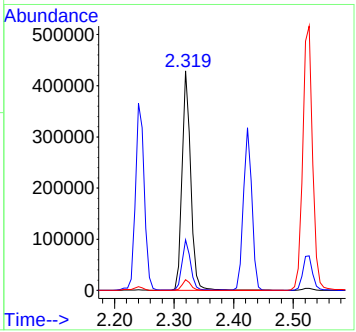


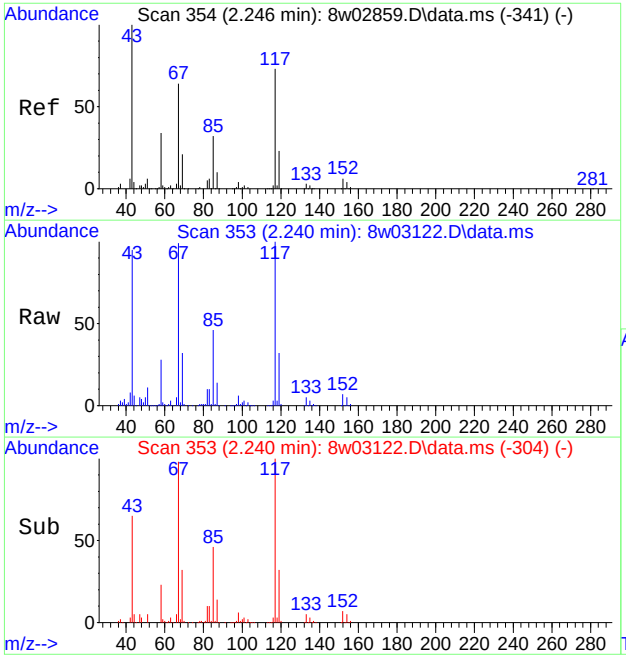


#22
ISOPROPYL ALCOHOL
Concen: 33.59 PPBV
RT: 2.319 min Scan# 366
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 45 Resp: 440623

Ion	Ratio	Lower	Upper
45	100		
43	23.0	18.8	28.2
59	4.9	3.8	5.6

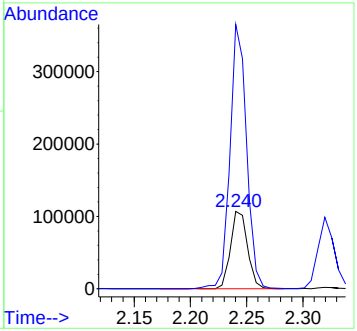


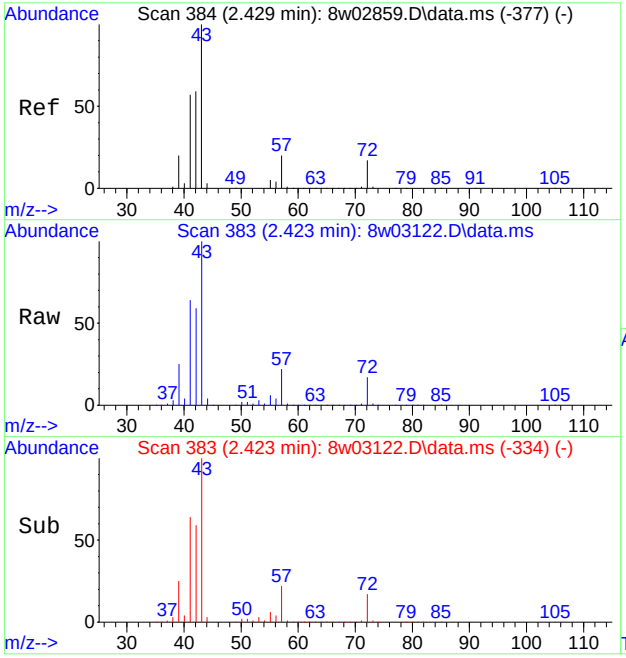


#23
ACETONE
Concen: 32.43 PPBV
RT: 2.240 min Scan# 353
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 58 Resp: 113600

Ion	Ratio	Lower	Upper
58	100		
43	331.1	261.4	392.2

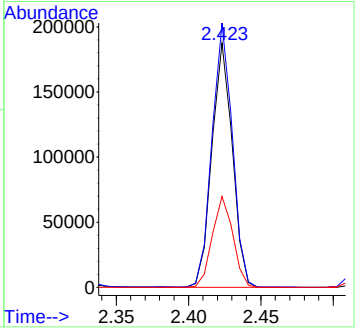


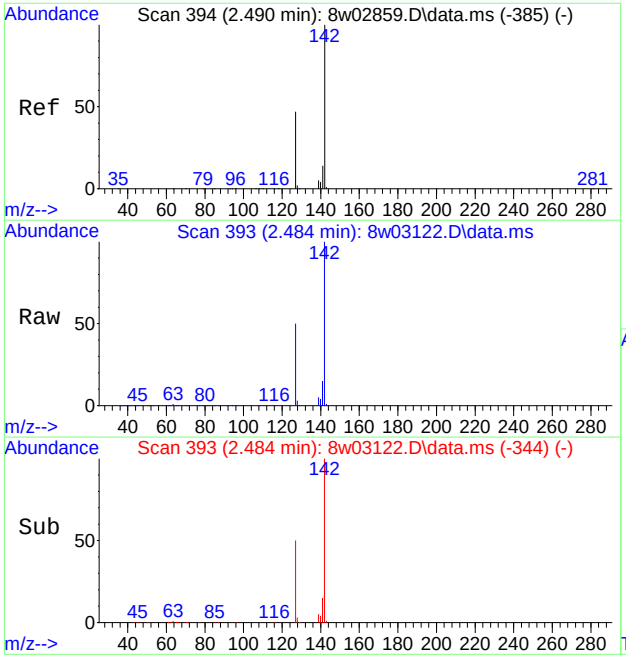


#24
PENTANE
Concen: 32.90 PPBV
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 42 Resp: 184888

Ion	Ratio	Lower	Upper
42	100		
41	107.4	84.2	126.4
57	37.4	28.9	43.3

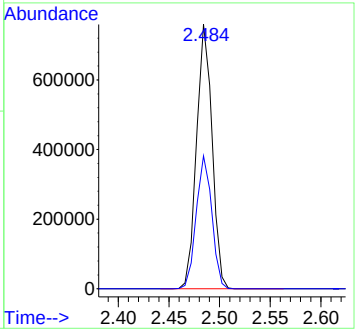


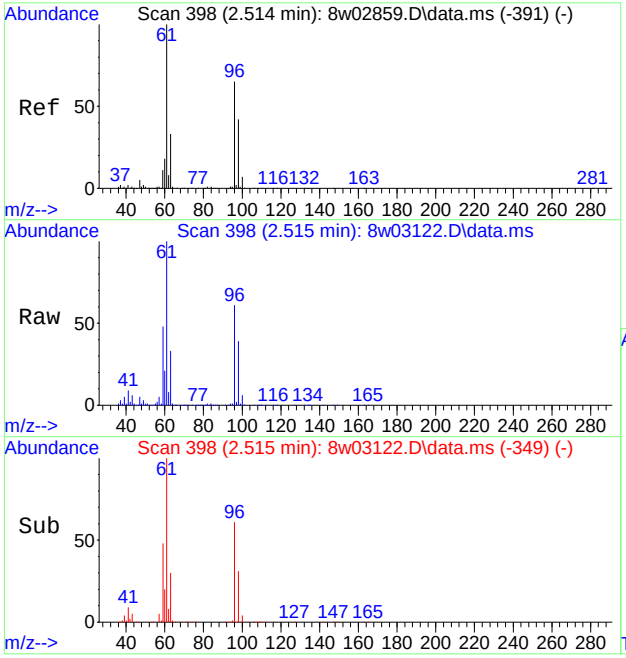


#25
IODOMETHANE
Concen: 35.75 PPBV
RT: 2.484 min Scan# 393
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:142 Resp: 811267

Ion	Ratio	Lower	Upper
142	100		
127	50.5	41.2	61.8

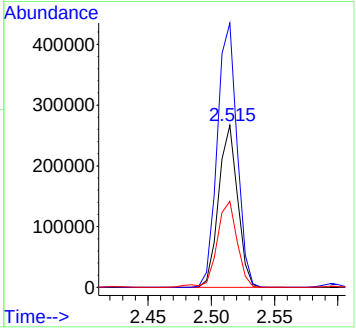


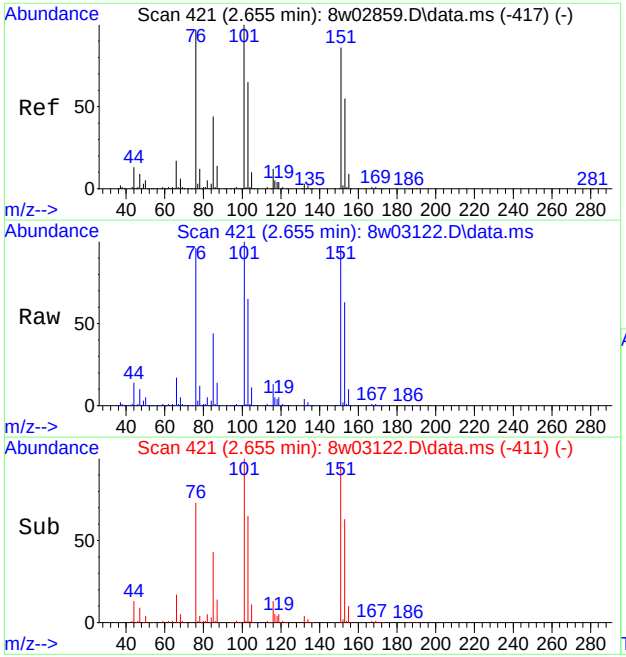


#26
1,1-DICHLOROETHYLENE
Concen: 35.00 PPBV
RT: 2.515 min Scan# 398
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 96 Resp: 276832

Ion	Ratio	Lower	Upper
96	100		
61	169.6	141.9	212.9
63	56.4	47.2	70.8

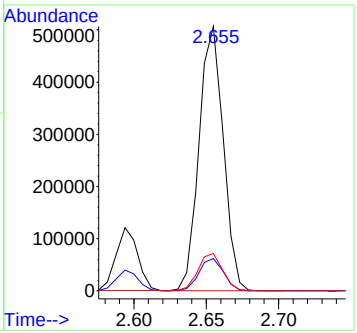


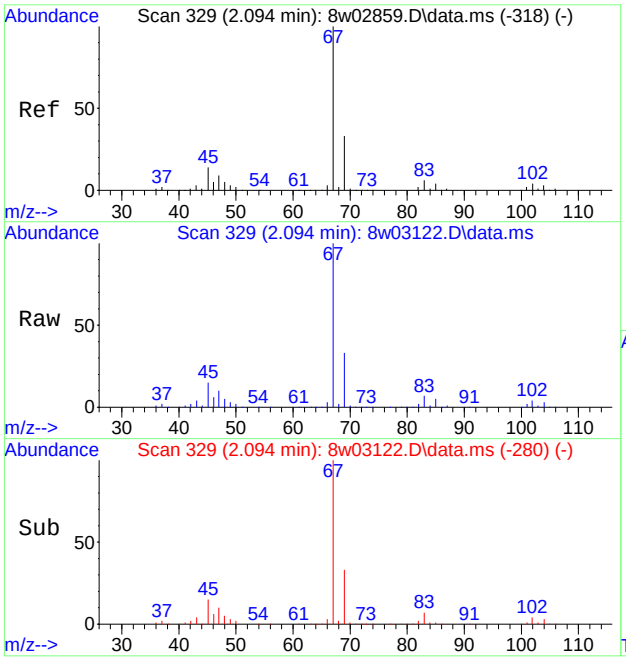


#27
CARBON DISULFIDE
Concen: 34.59 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 76 Resp: 590537

Ion	Ratio	Lower	Upper
76	100		
78	12.3	0.0	0.0#
44	14.2	0.0	0.0#

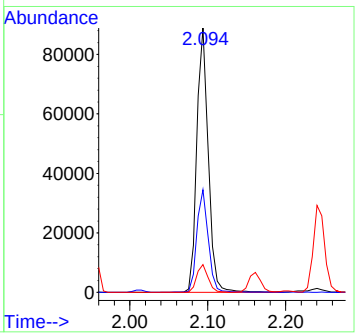


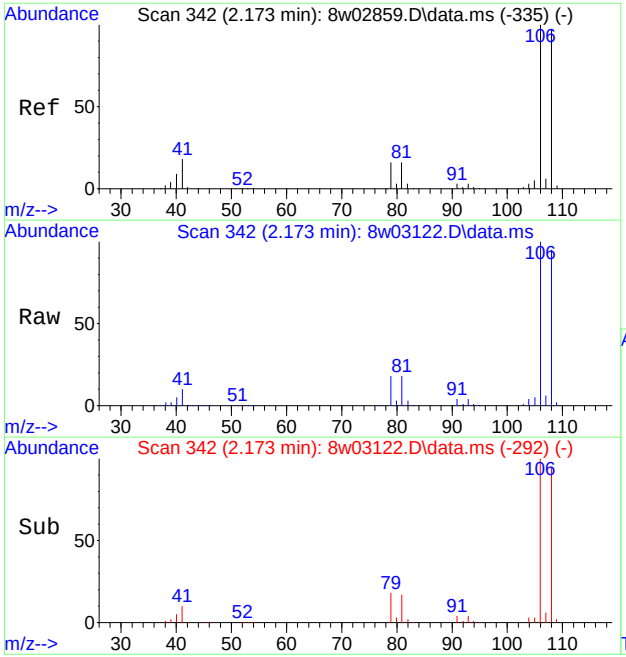


#28
ETHANOL
Concen: 32.09 PPBV
RT: 2.094 min Scan# 329
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 45 Resp: 90981

Ion	Ratio	Lower	Upper
45	100		
46	38.9	30.1	45.1
42	10.6	8.3	12.5

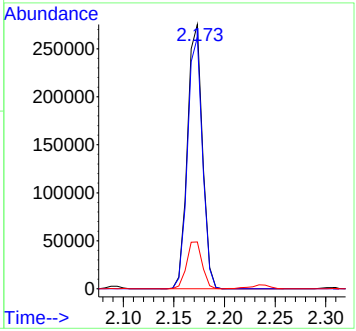


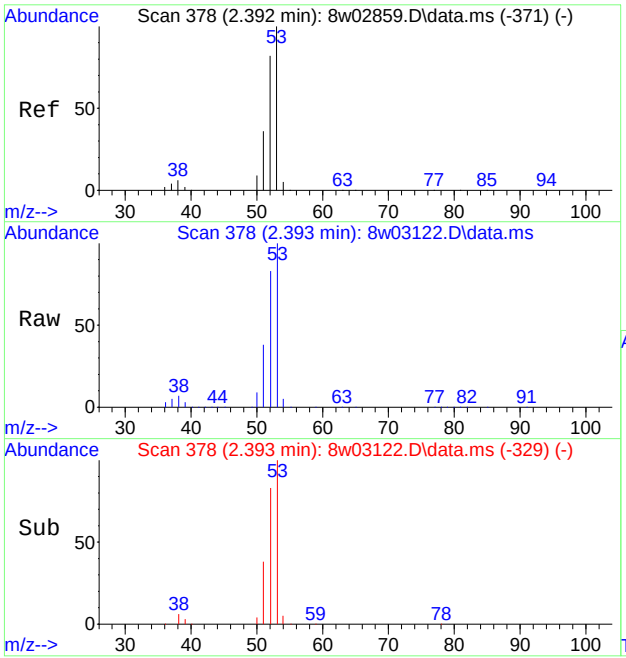


#29
BROMOETHENE
Concen: 35.06 PPBV
RT: 2.173 min Scan# 342
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:106 Resp: 284267

Ion	Ratio	Lower	Upper
106	100		
108	94.6	74.6	111.8
81	18.4	14.5	21.7

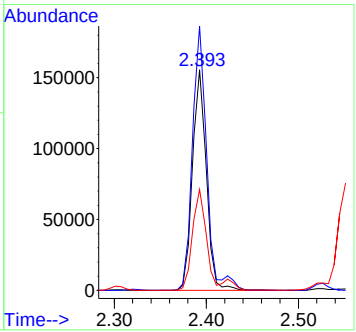


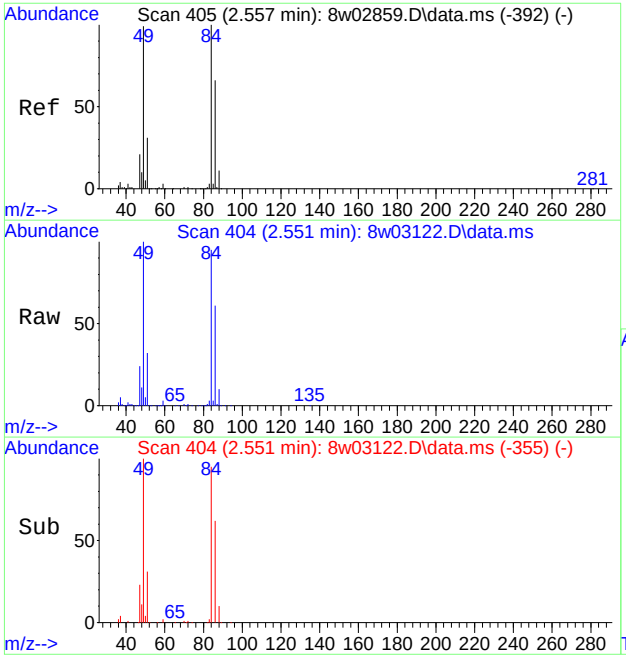


#30
ACRYLONITRILE
Concen: 34.74 PPBV
RT: 2.393 min Scan# 378
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 52 Resp: 162828

Ion	Ratio	Lower	Upper
52	100		
53	123.8	99.6	149.4
51	49.5	40.1	60.1

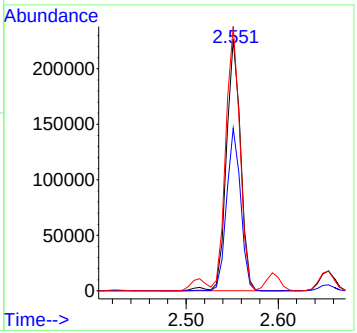


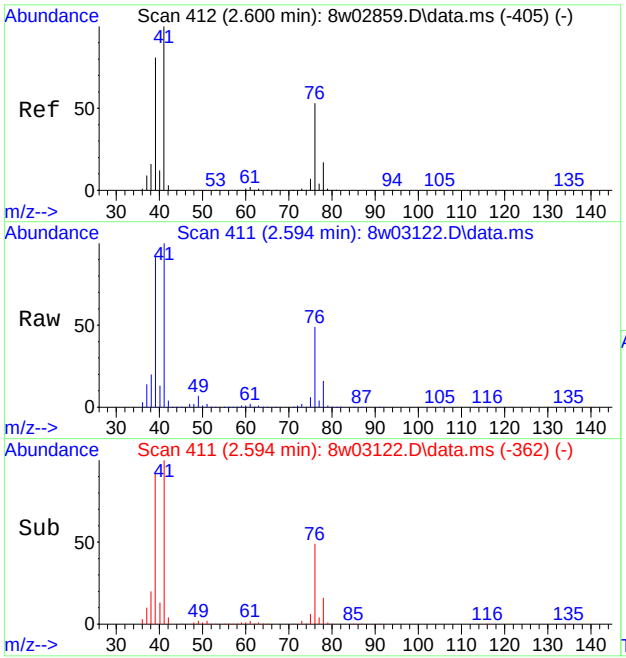


#31
METHYLENE CHLORIDE
Concen: 35.31 PPBV
RT: 2.551 min Scan# 404
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 84 Resp: 242359

Ion	Ratio	Lower	Upper
84	100		
86	64.1	51.0	76.4
49	110.6	92.1	138.1

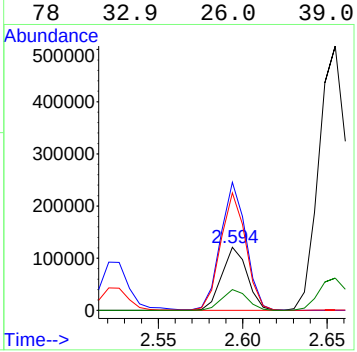


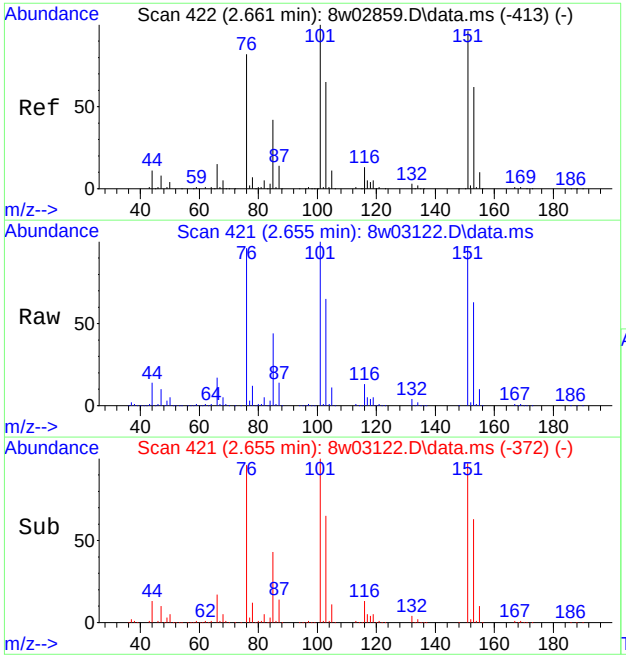


#32
3-CHLOROPROPENE
Concen: 36.64 PPBV
RT: 2.594 min Scan# 411
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 76 Resp: 127453

Ion	Ratio	Lower	Upper
76	100		
41	201.9	170.6	256.0
39	184.3	151.0	226.4
78	32.9	26.0	39.0

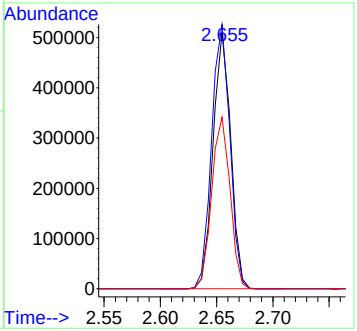


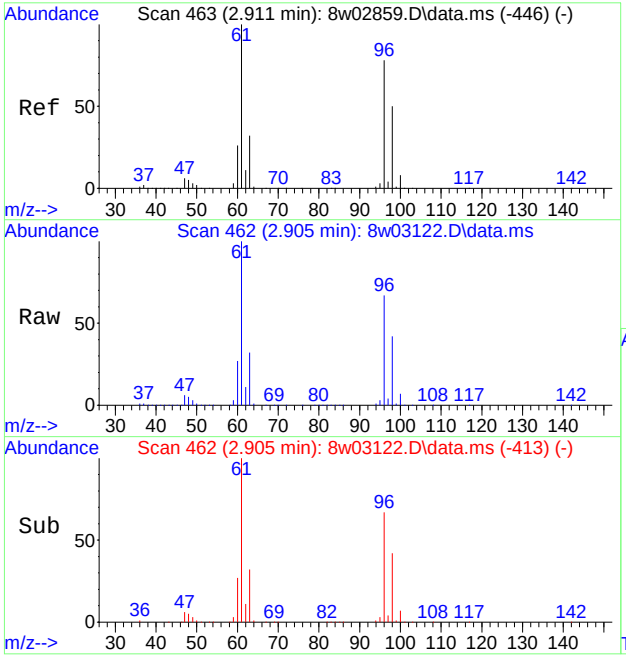


#33
FREON 113
Concen: 35.25 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:151 Resp: 558888

Ion	Ratio	Lower	Upper
151	100		
101	106.7	89.6	134.4
103	69.3	58.4	87.6

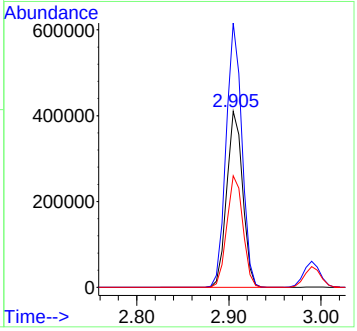


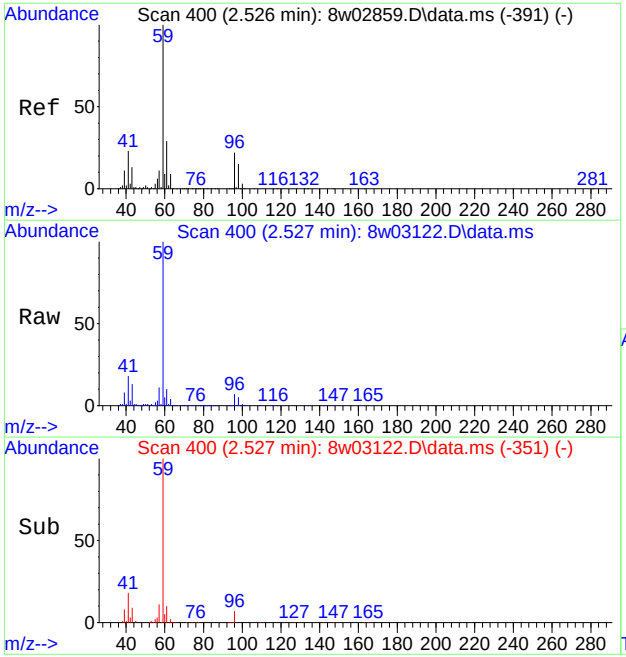


#34
TRANS-1,2-DICHLOROETHENE
Concen: 35.96 PPBV
RT: 2.905 min Scan# 462
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 96 Resp: 493823

Ion	Ratio	Lower	Upper
96	100		
61	148.2	120.8	181.2
98	63.9	51.0	76.4

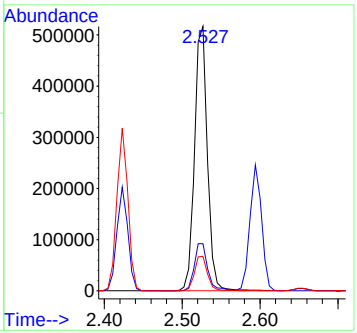


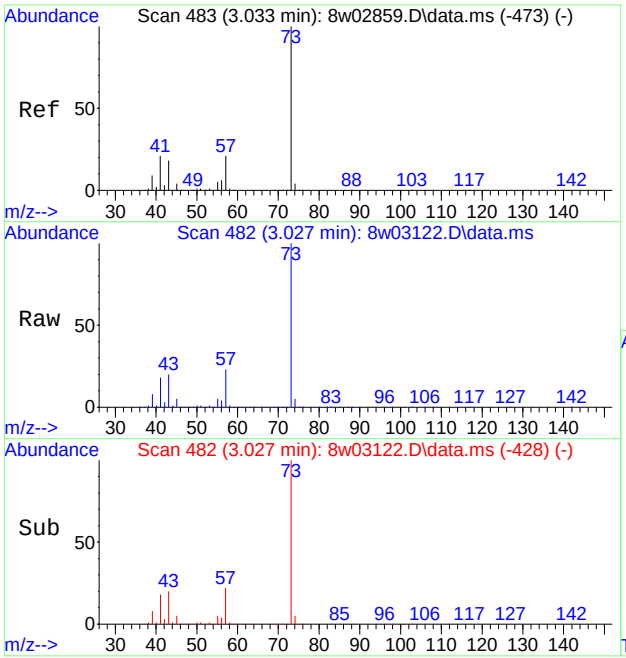


#35
TERTIARY BUTYL ALCOHOL
Concen: 34.25 PPBV
RT: 2.527 min Scan# 400
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 59 Resp: 591651

Ion	Ratio	Lower	Upper
59	100		
41	18.6	16.1	24.1
43	13.1	10.2	15.4

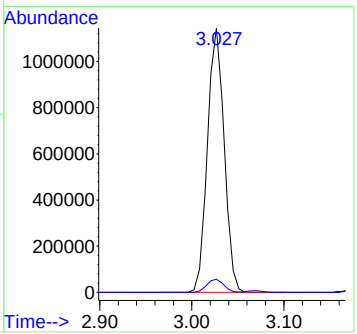


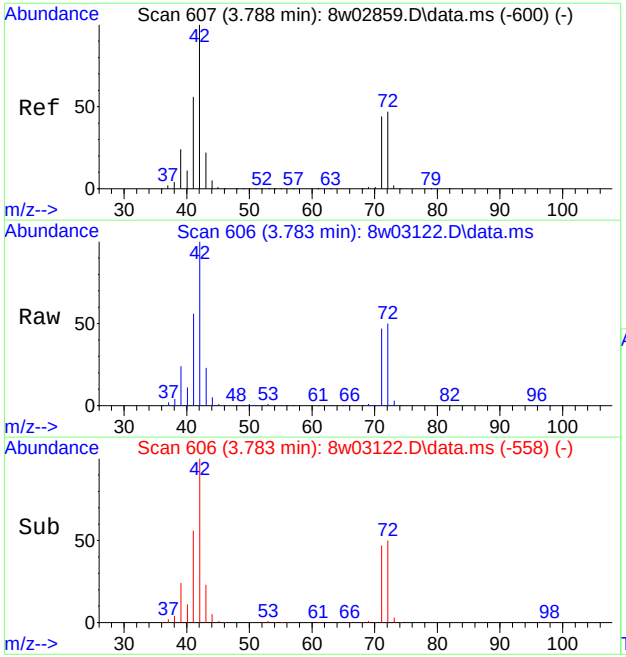


#36
METHYL TERTIARY BUTYL ETHER
Concen: 35.86 PPBV
RT: 3.027 min Scan# 482
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 73 Resp: 1445242

Ion	Ratio	Lower	Upper
73	100		
45	5.8	4.7	7.1

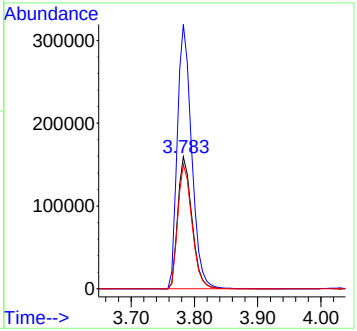


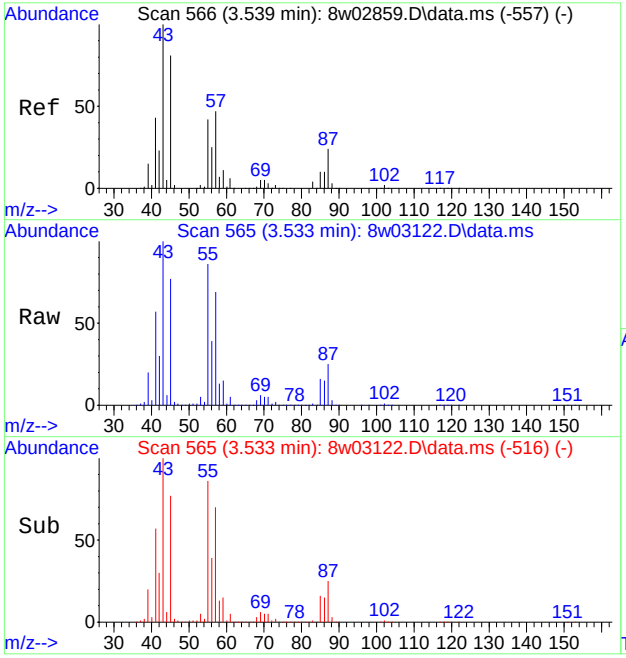


#37
TETRAHYDROFURAN
Concen: 35.24 PPBV
RT: 3.783 min Scan# 606
Delta R.T. -0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 72 Resp: 248641

Ion	Ratio	Lower	Upper
72	100		
42	201.6	170.8	256.2
71	94.0	74.3	111.5

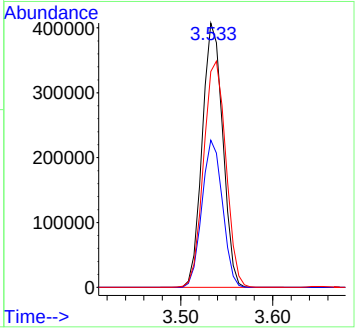


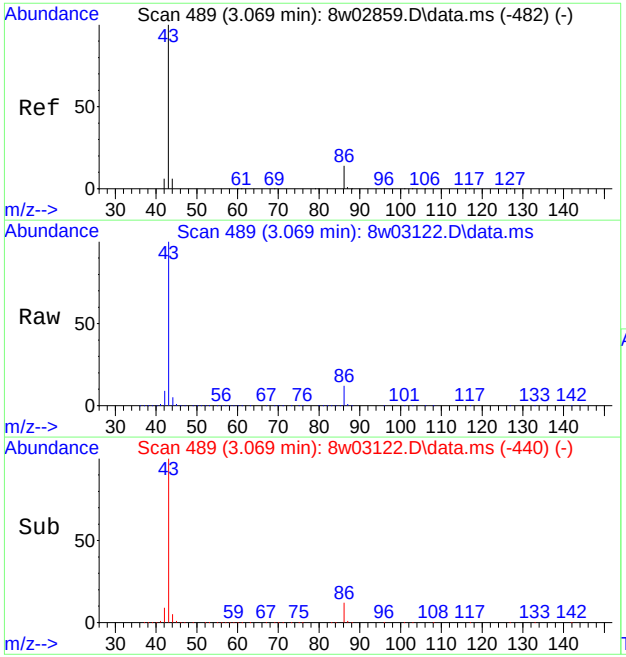


#38
HEXANE
Concen: 27.42 PPBV
RT: 3.533 min Scan# 565
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 57 Resp: 631331

Ion	Ratio	Lower	Upper
57	100		
56	55.7	43.8	65.8
41	92.9	72.2	108.4

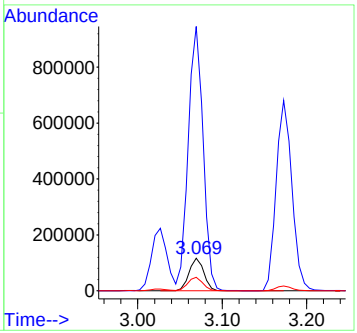


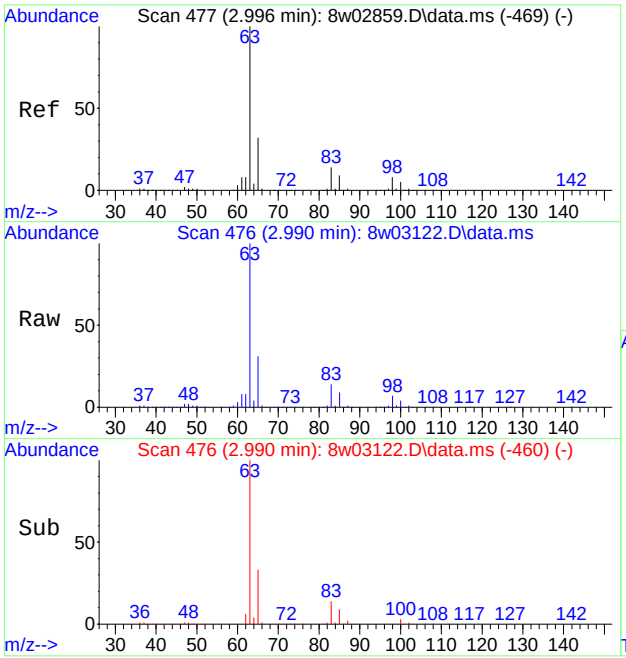


#39
VINYL ACETATE
Concen: 36.96 PPBV
RT: 3.069 min Scan# 489
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 86 Resp: 141798

Ion	Ratio	Lower	Upper
86	100		
43	1022.8	860.3	1290.5
44	48.6	44.2	66.2

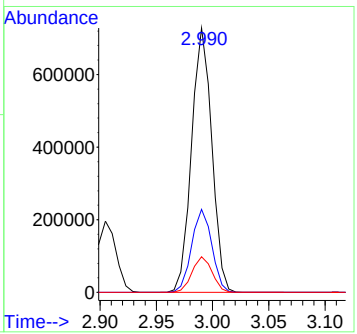


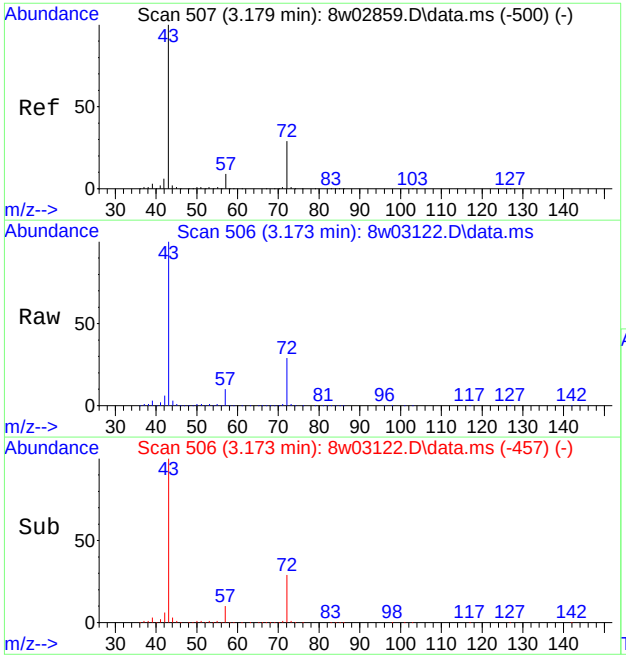


#40
1,1-DICHLOROETHANE
Concen: 35.06 PPBV
RT: 2.990 min Scan# 476
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 63 Resp: 910598

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.4
83	13.5	10.5	15.7

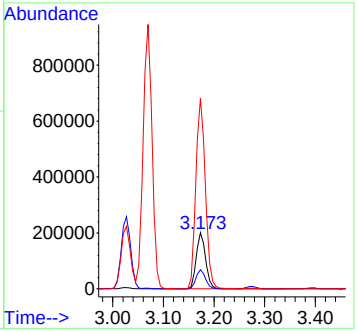


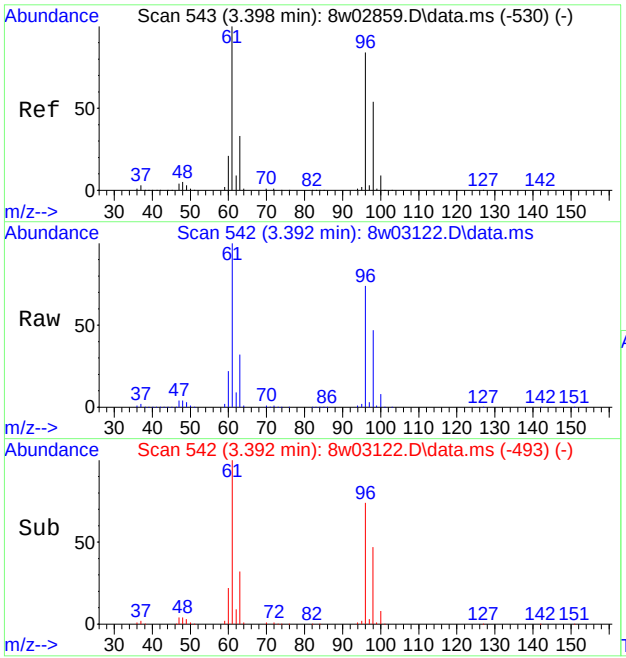


#41
METHYL ETHYL KETONE
Concen: 34.87 PPBV
RT: 3.173 min Scan# 506
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 72 Resp: 257693

Ion	Ratio	Lower	Upper
72	100		
57	34.1	27.8	41.8
43	344.5	292.3	438.5

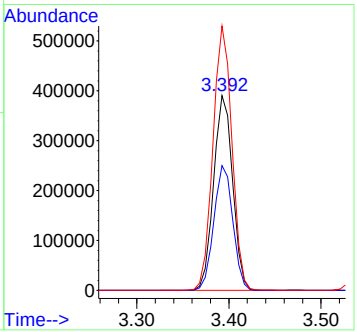


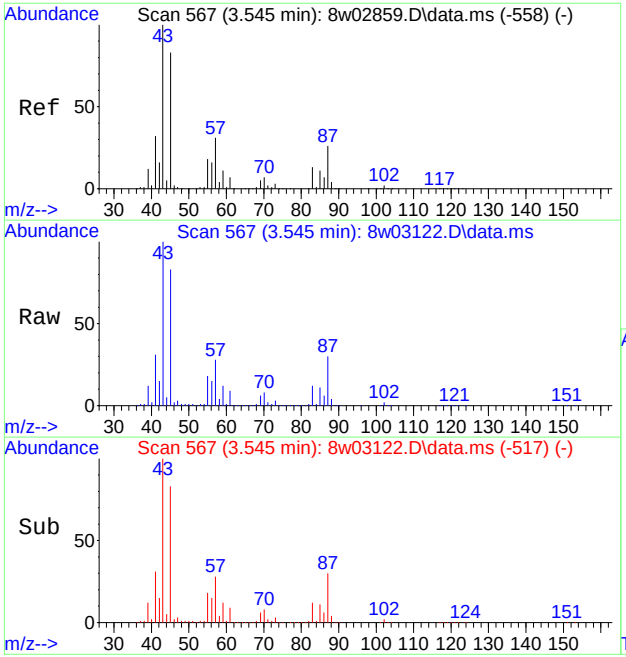


#42
CIS-1,2-DICHLOROETHENE
Concen: 34.70 PPBV
RT: 3.392 min Scan# 542
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 96 Resp: 560356

Ion	Ratio	Lower	Upper
96	100		
98	64.1	50.9	76.3
61	135.7	109.1	163.7

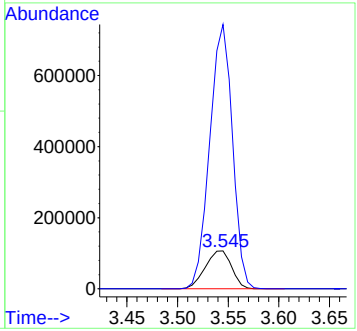


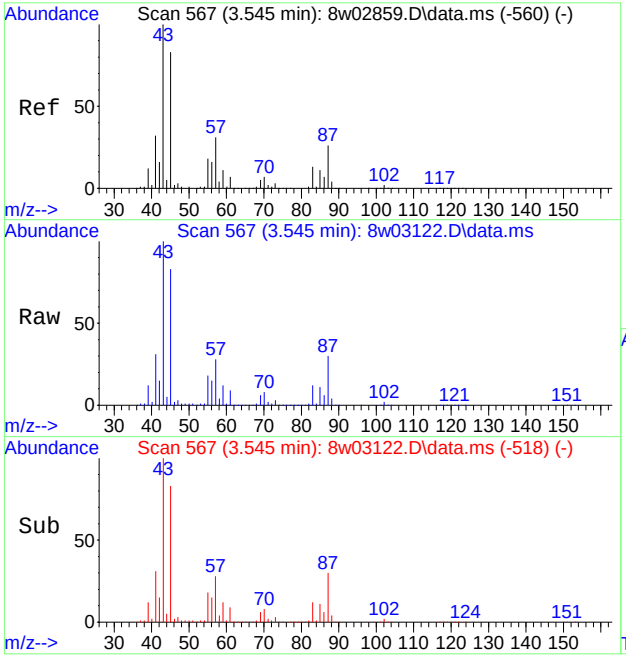


#43
DIISOPROPYL ETHER
Concen: 27.95 PPBV
RT: 3.545 min Scan# 567
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 59 Resp: 194090

Ion	Ratio	Lower	Upper
59	100		
45	599.4	517.9	776.9

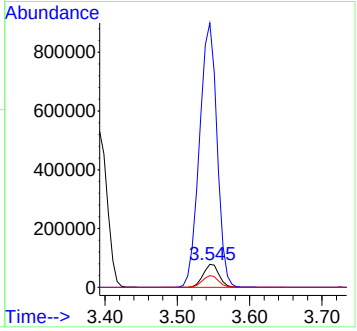


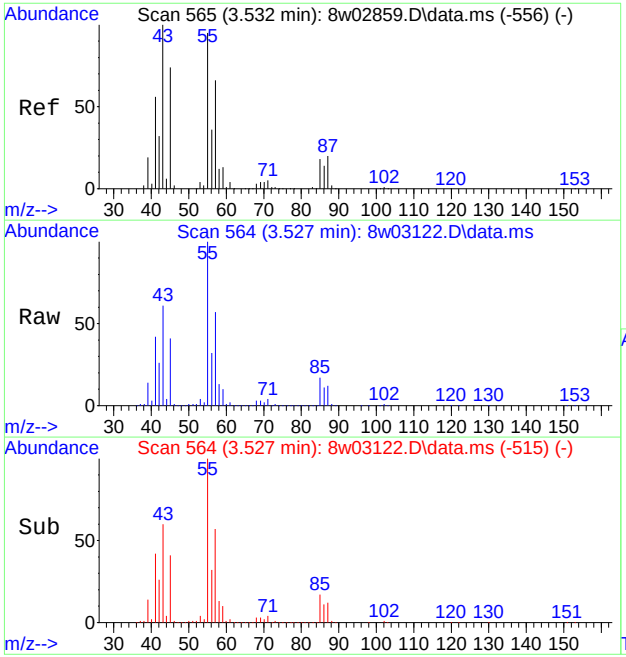


#44
ETHYL ACETATE
Concen: 27.39 PPBV
RT: 3.545 min Scan# 567
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 61 Resp: 119612

Ion	Ratio	Lower	Upper
61	100		
43	1266.0	1039.8	1559.8
88	52.3	37.8	56.8

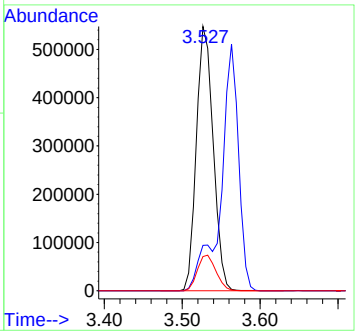


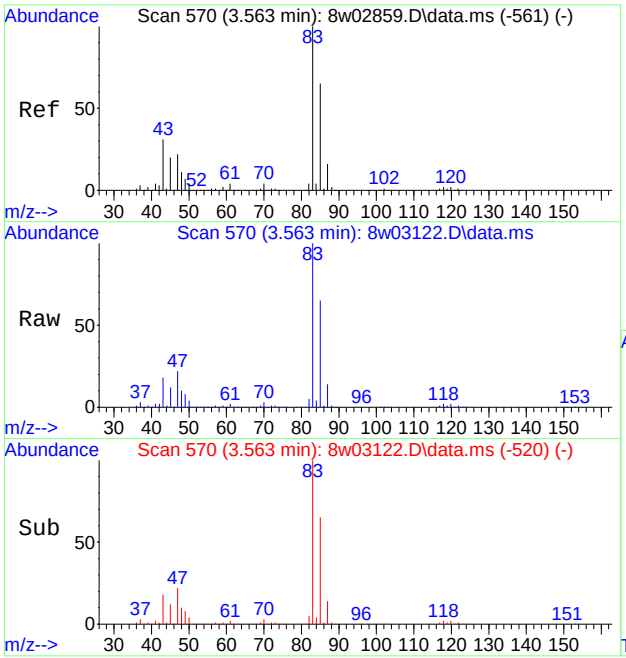


#45
METHYL ACRYLATE
Concen: 29.04 PPBV
RT: 3.527 min Scan# 564
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 55 Resp: 819762

Ion	Ratio	Lower	Upper
55	100		
85	0.0	0.0	0.0
58	14.9	11.5	17.3

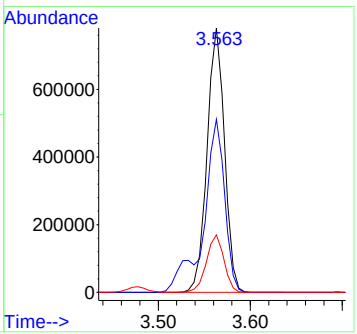


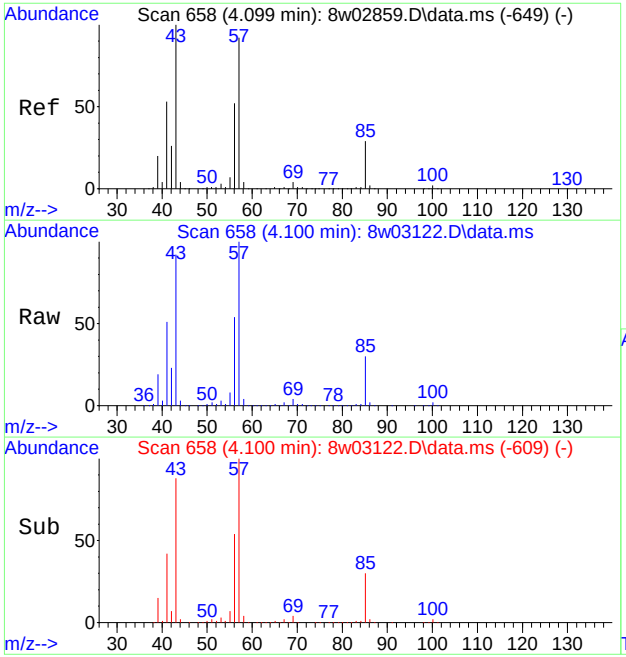


#46
CHLOROFORM
Concen: 33.60 PPBV
RT: 3.563 min Scan# 570
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 83 Resp: 1030123

Ion	Ratio	Lower	Upper
83	100		
85	78.9	63.4	95.2
47	21.9	18.5	27.7

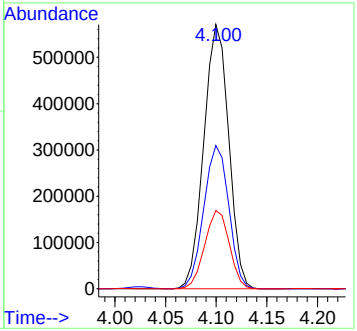


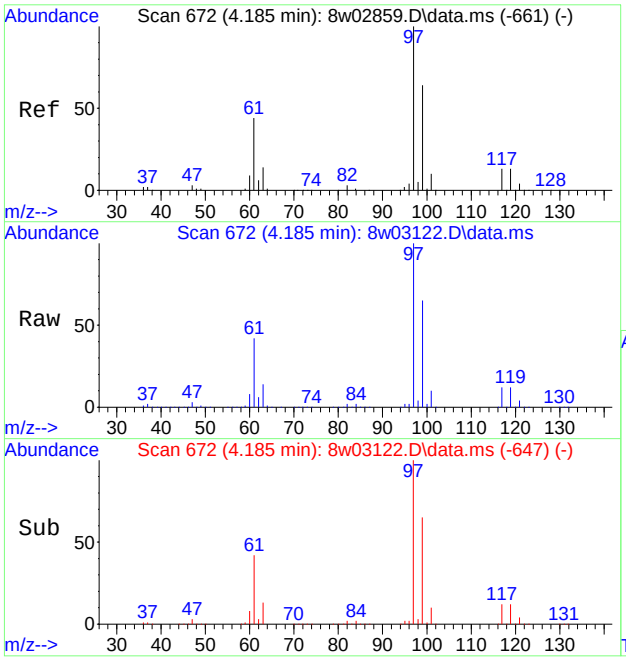


#47
2,4-DIMETHYLPENTANE
Concen: 32.89 PPBV
RT: 4.100 min Scan# 658
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 57 Resp: 978753

Ion	Ratio	Lower	Upper
57	100		
56	54.6	44.2	66.4
85	29.3	22.3	33.5

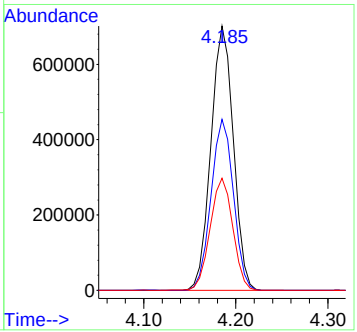


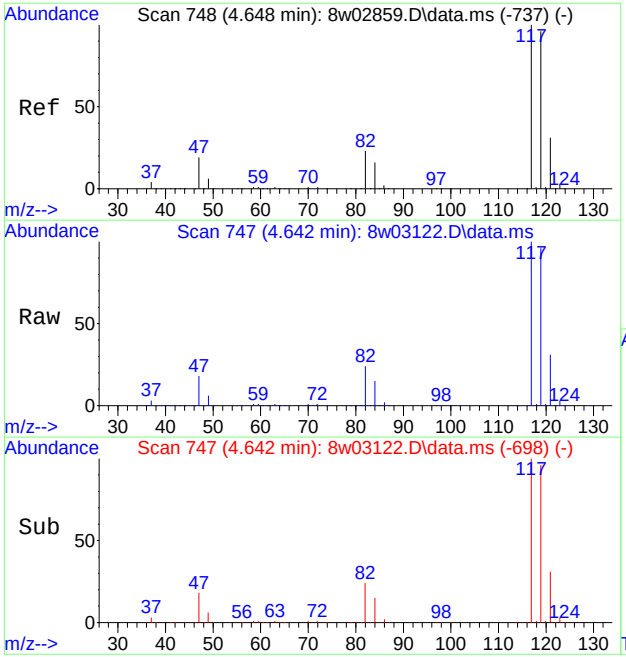


#48
1,1,1-TRICHLOROETHANE
Concen: 37.17 PPBV
RT: 4.185 min Scan# 672
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 97 Resp: 1190494

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	43.0	35.8	53.6

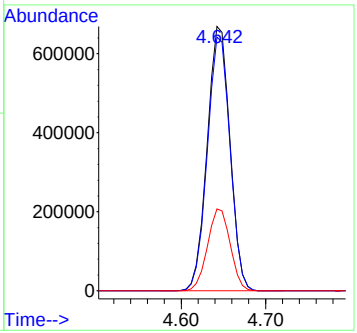


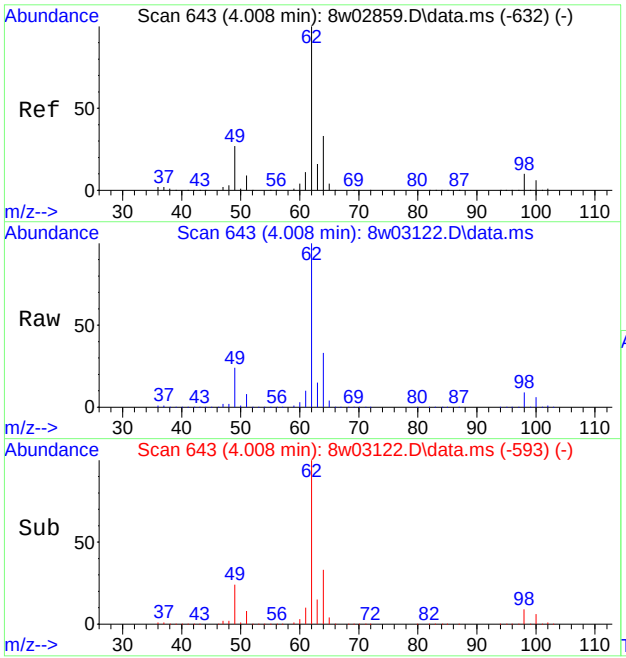


#49
CARBON TETRACHLORIDE
Concen: 38.39 PPBV
RT: 4.642 min Scan# 747
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:117 Resp: 1255582

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
121	30.9	24.4	36.6

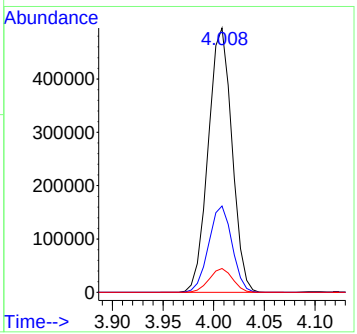


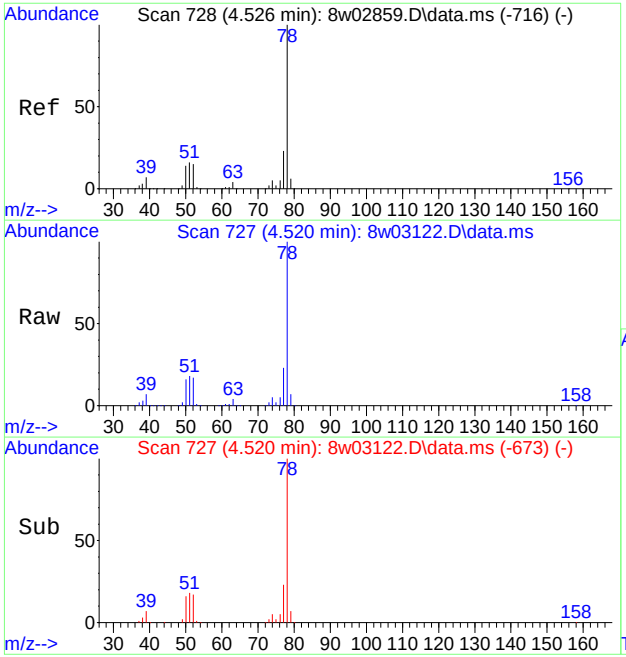


#50
1,2-DICHLOROETHANE
Concen: 35.66 PPBV
RT: 4.008 min Scan# 643
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 62 Resp: 808136

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.6	38.4
98	9.0	7.1	10.7

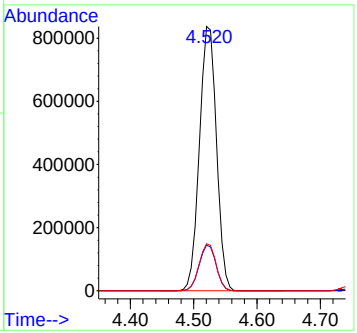


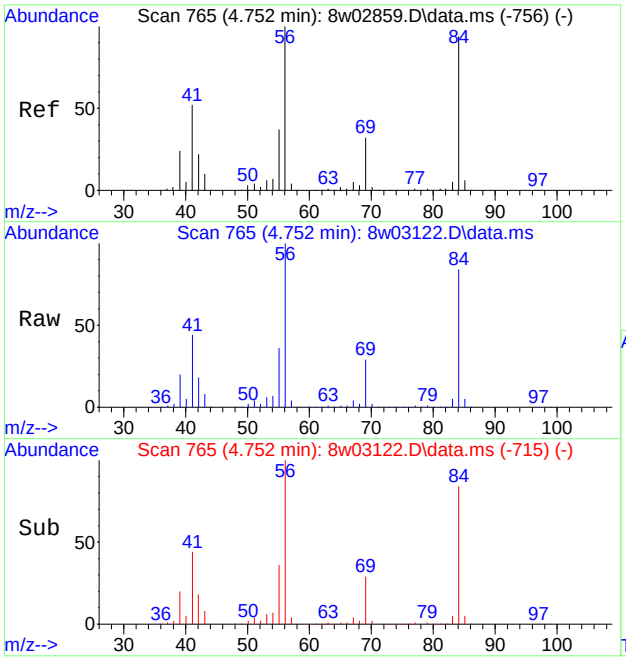


#51
BENZENE
Concen: 35.26 PPBV
RT: 4.520 min Scan# 727
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 78 Resp: 1560659

Ion	Ratio	Lower	Upper
78	100		
52	17.2	0.0	37.6
51	17.7	0.0	38.0

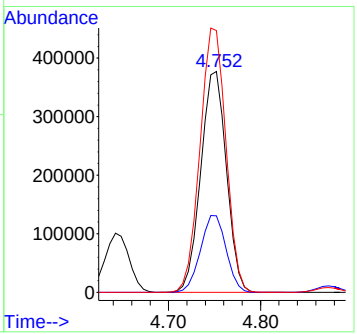


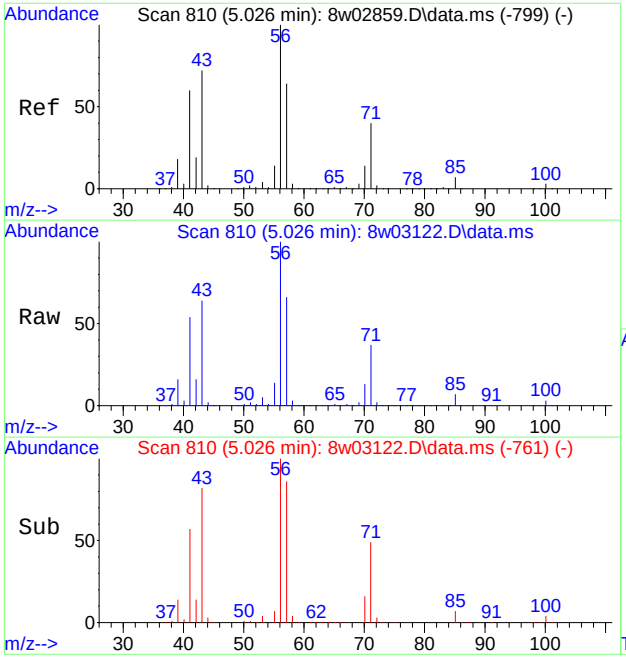


#53
CYCLOHEXANE
Concen: 35.97 PPBV
RT: 4.752 min Scan# 765
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 84 Resp: 730320

Ion	Ratio	Lower	Upper
84	100		
69	34.8	27.7	41.5
56	121.0	99.1	148.7

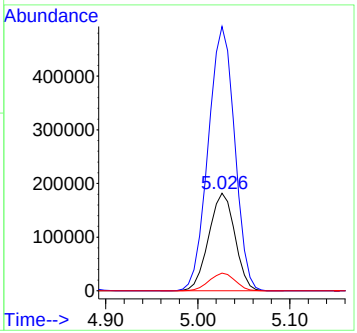


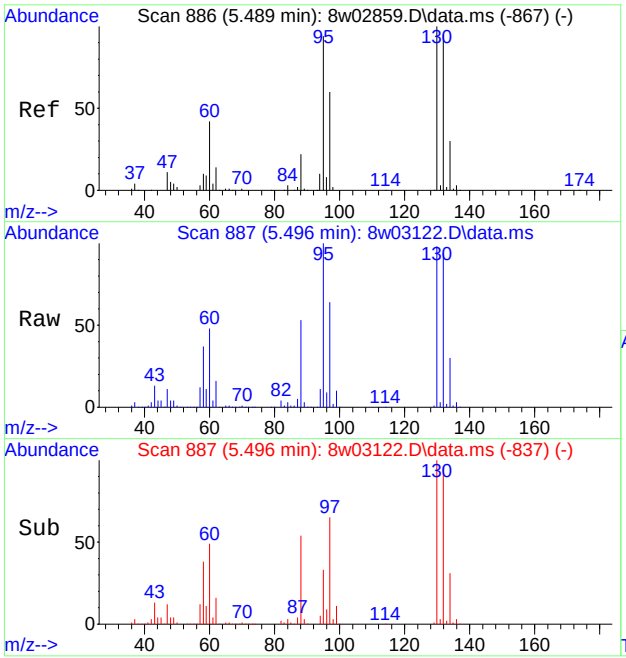


#54
2,3-DIMETHYLPENTANE
Concen: 35.17 PPBV
RT: 5.026 min Scan# 810
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 71 Resp: 359318

Ion	Ratio	Lower	Upper
71	100		
56	273.8	224.9	337.3
85	18.2	14.3	21.5

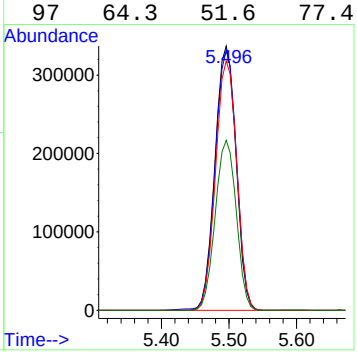


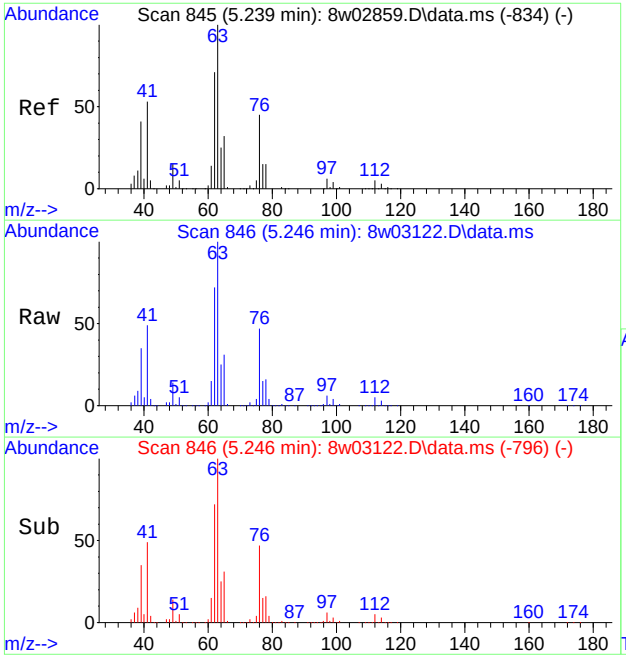


#55
TRICHLOROETHENE
Concen: 35.21 PPBV
RT: 5.496 min Scan# 887
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 95 Resp: 730501

Ion	Ratio	Lower	Upper
95	100		
130	99.8	80.6	120.8
132	95.1	77.0	115.4
97	64.3	51.6	77.4

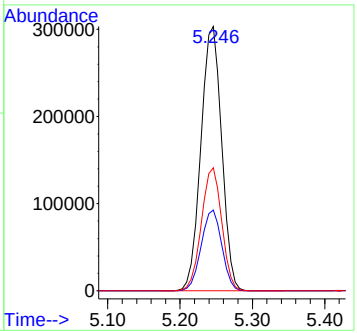


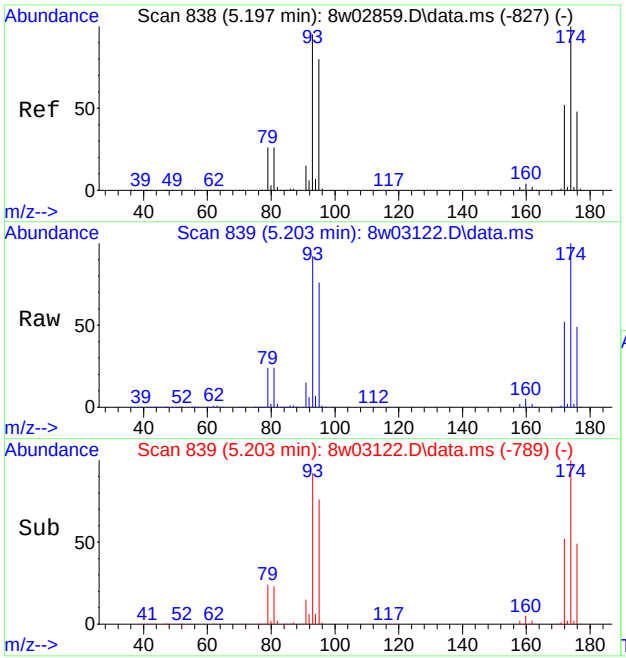


#56
1,2-DICHLOROPROPANE
Concen: 35.82 PPBV
RT: 5.246 min Scan# 846
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 63 Resp: 603646

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.1	36.1
76	45.7	36.4	54.6

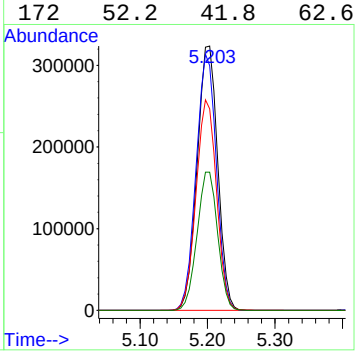


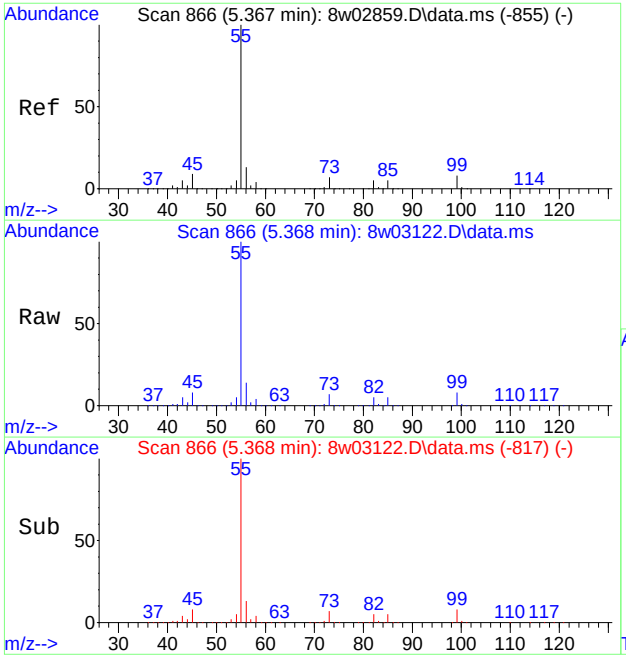


#57
DIBROMOMETHANE
Concen: 36.26 PPBV
RT: 5.203 min Scan# 839
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:174 Resp: 687286

Ion	Ratio	Lower	Upper
174	100		
93	95.7	77.0	115.6
95	79.3	64.2	96.4
172	52.2	41.8	62.6

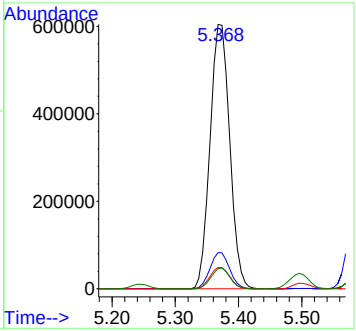


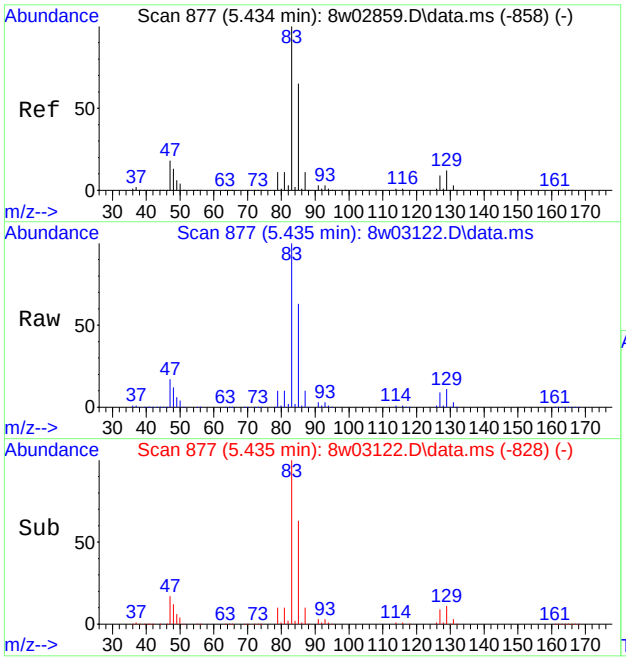


#58
ETHYL ACRYLATE
Concen: 36.28 PPBV
RT: 5.368 min Scan# 866
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 55 Resp: 1305402

Ion	Ratio	Lower	Upper
55	100		
56	13.6	10.9	16.3
45	8.1	6.7	10.1
99	7.6	5.8	8.8

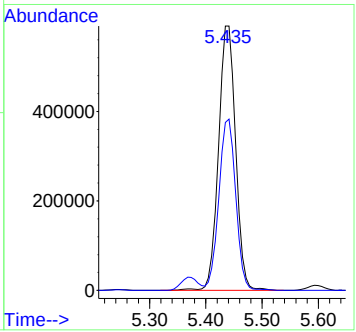


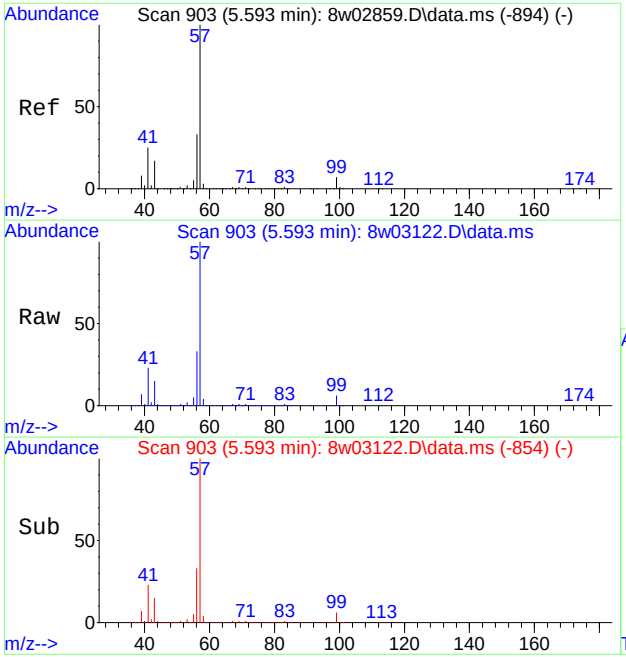


#59
BROMODICHLOROMETHANE
Concen: 37.36 PPBV
RT: 5.435 min Scan# 877
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 83 Resp: 1250675

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.6

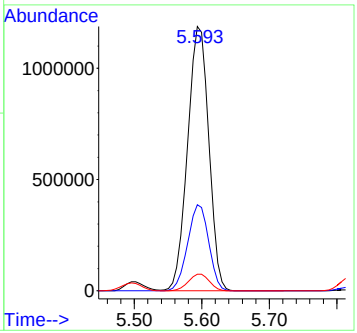


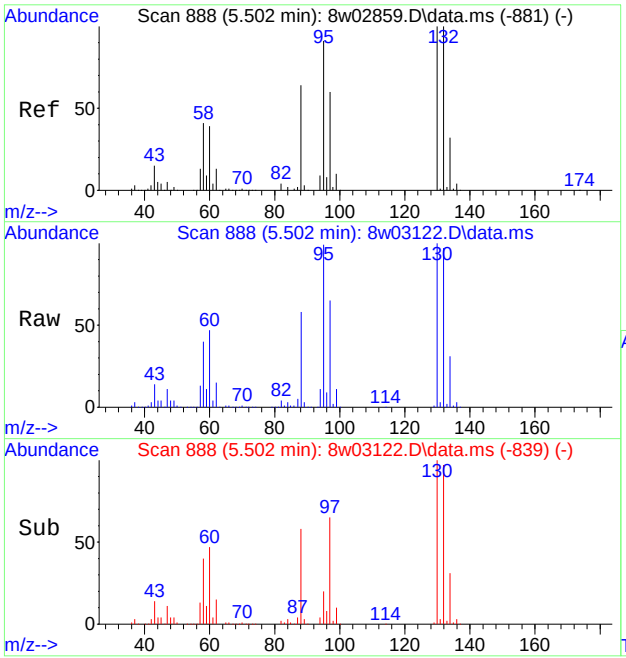


#60
2,2,4-TRIMETHYLPENTANE
Concen: 33.39 PPBV
RT: 5.593 min Scan# 903
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 57 Resp: 2596681

Ion	Ratio	Lower	Upper
57	100		
56	32.3	25.8	38.8
99	6.2	4.7	7.1

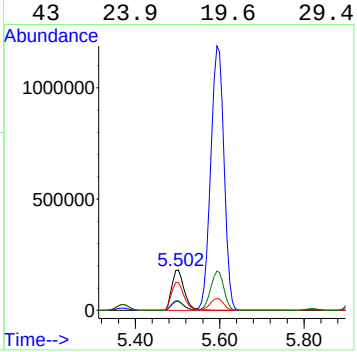


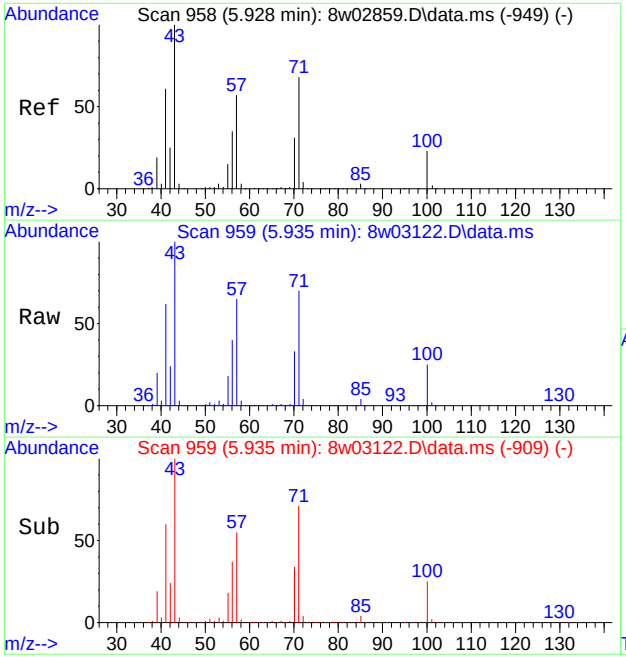


#61
1,4-DIOXANE
Concen: 33.76 PPBV
RT: 5.502 min Scan# 888
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 88 Resp: 368384

Ion	Ratio	Lower	Upper
88	100		
57	22.7	18.4	27.6
58	70.3	57.3	85.9
43	23.9	19.6	29.4

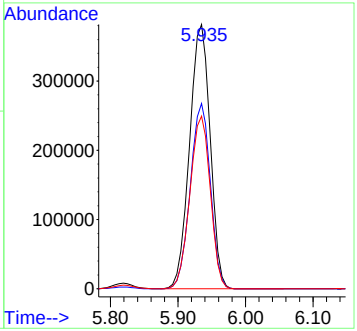


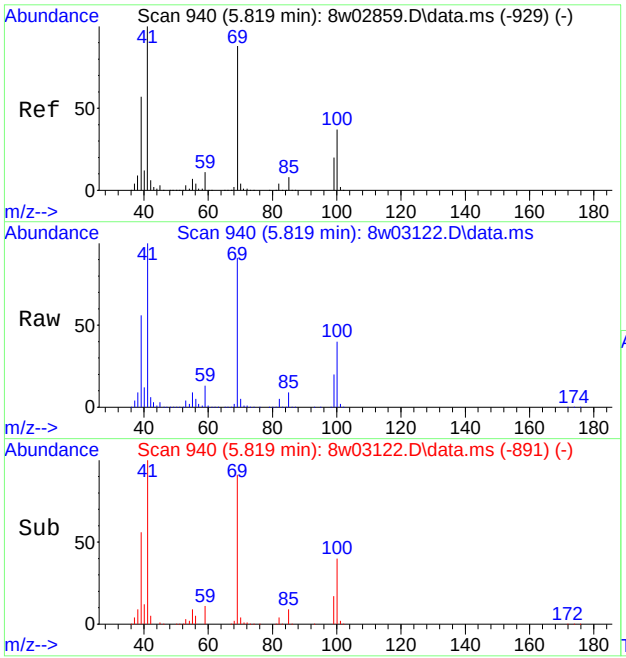


#62
HEPTANE
Concen: 33.28 PPBV
RT: 5.935 min Scan# 959
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 43 Resp: 809003

Ion	Ratio	Lower	Upper
43	100		
71	68.5	52.2	78.2
57	64.7	50.4	75.6

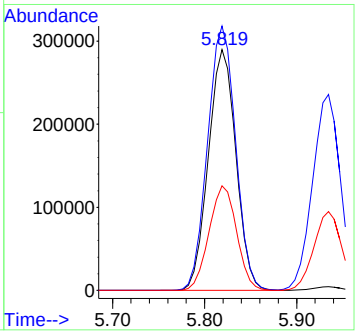


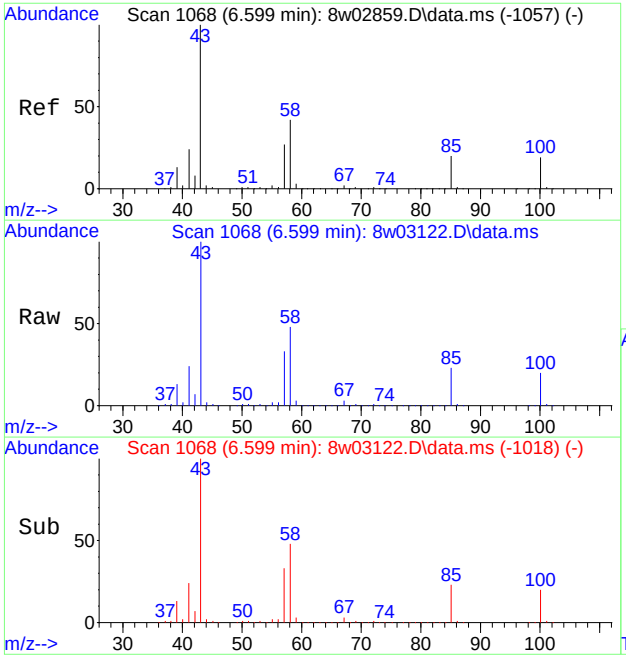


#63
METHYL METHACRYLATE
Concen: 36.83 PPBV
RT: 5.819 min Scan# 940
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 69 Resp: 604460

Ion	Ratio	Lower	Upper
69	100		
41	111.1	91.9	137.9
100	43.4	34.2	51.4

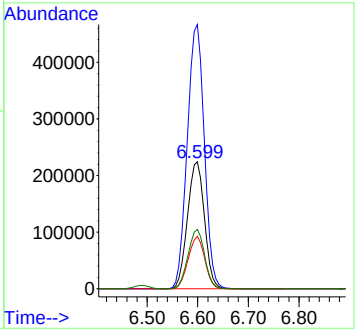


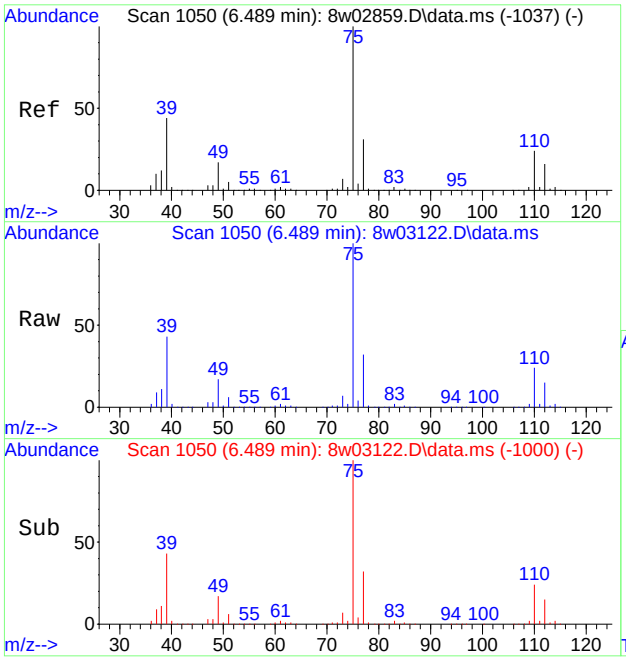


#64
METHYL ISOBUTYL KETONE
Concen: 35.45 PPBV
RT: 6.599 min Scan# 1068
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 58 Resp: 524313

Ion	Ratio	Lower	Upper
58	100		
43	208.6	171.6	257.4
100	40.4	31.4	47.0
85	45.8	35.8	53.6

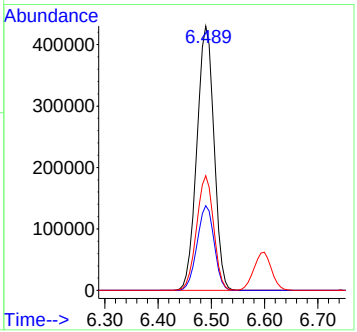


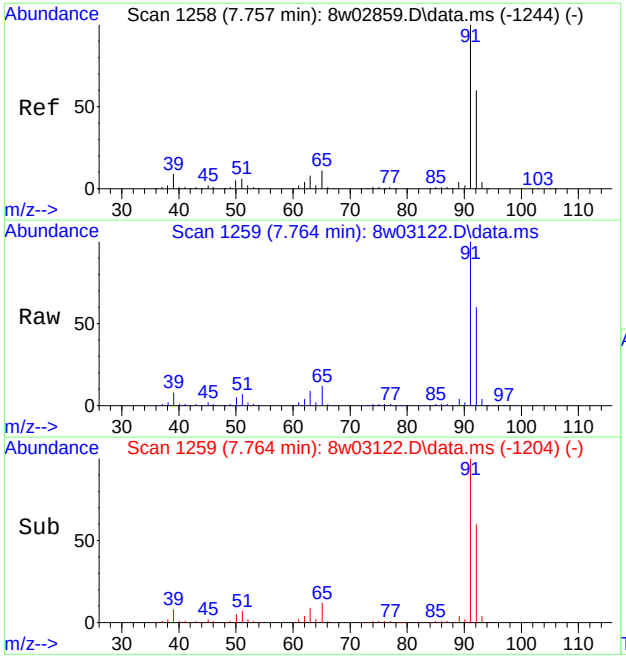


#65
CIS-1,3-DICHLOROPROPENE
Concen: 39.68 PPBV
RT: 6.489 min Scan# 1050
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 75 Resp: 959241

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	43.3	35.8	53.8

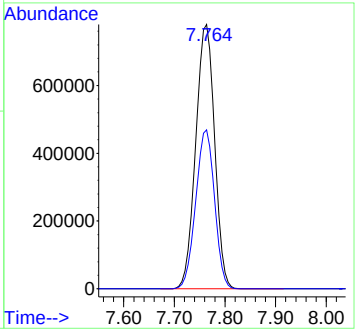


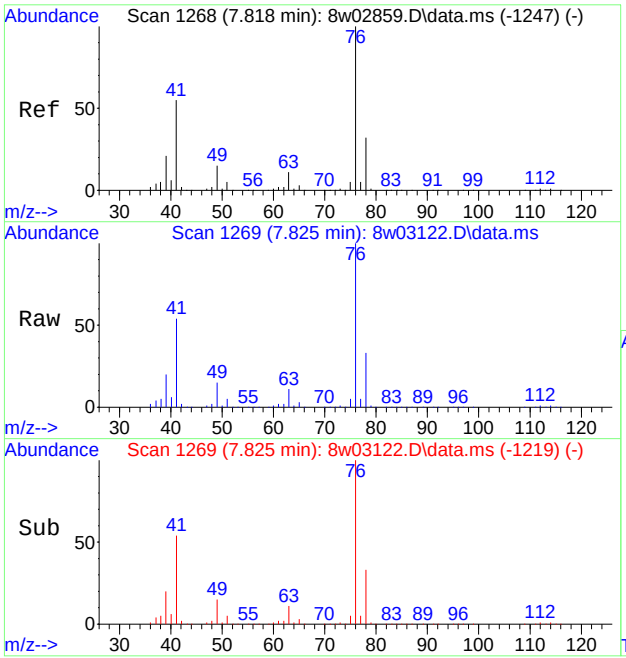


#66
TOLUENE
Concen: 36.41 PPBV
RT: 7.764 min Scan# 1259
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 91 Resp: 2025551

Ion	Ratio	Lower	Upper
91	100		
92	59.9	39.8	79.8

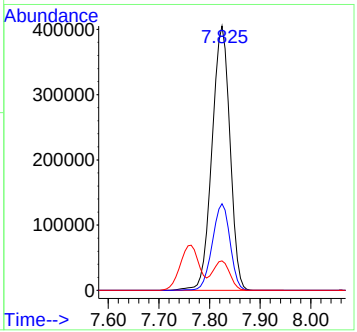


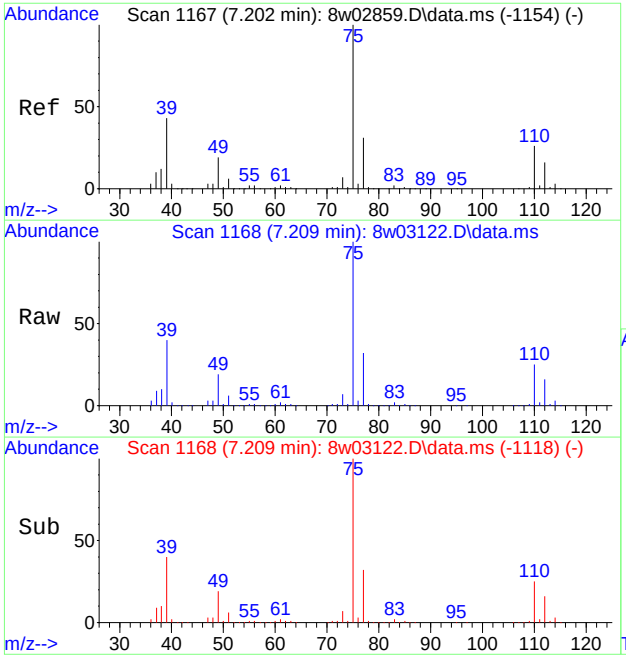


#67
1,3-DICHLOROPROPANE
Concen: 36.80 PPBV
RT: 7.825 min Scan# 1269
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 76 Resp: 998165

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9
63	9.9	8.6	12.8

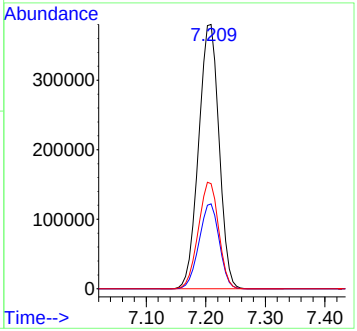


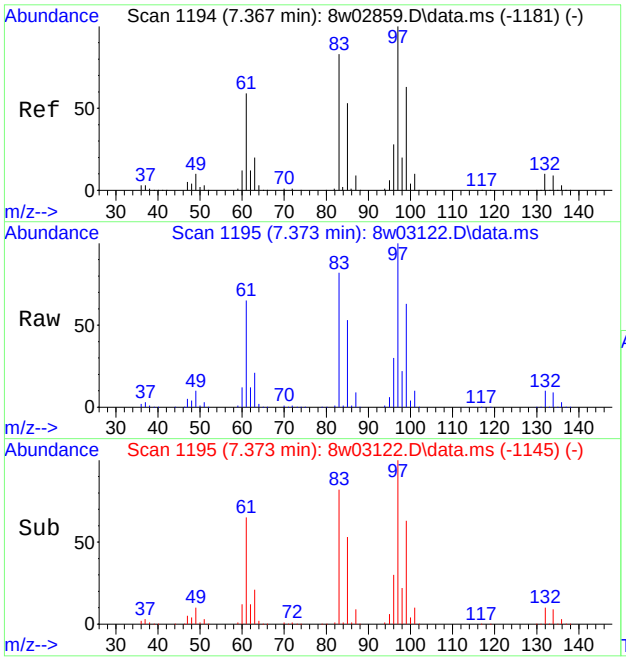


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 42.26 PPBV
RT: 7.209 min Scan# 1168
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 75 Resp: 902600

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9
39	40.3	33.4	50.0

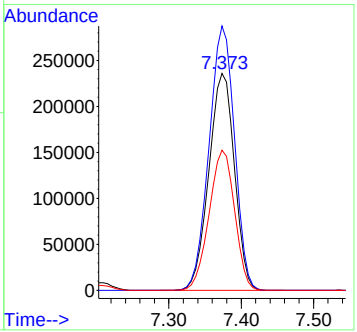


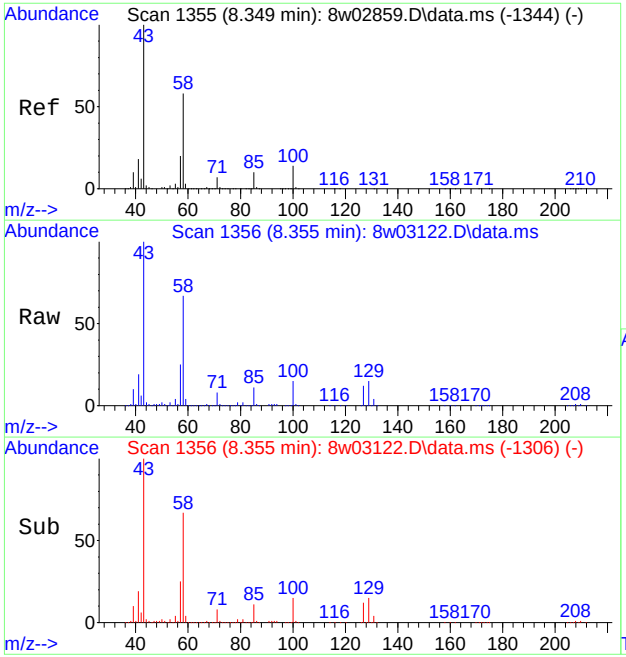


#69
1,1,2-TRICHLOROETHANE
Concen: 37.41 PPBV
RT: 7.373 min Scan# 1195
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 83 Resp: 581753

Ion	Ratio	Lower	Upper
83	100		
97	121.1	98.2	147.2
85	64.4	51.7	77.5

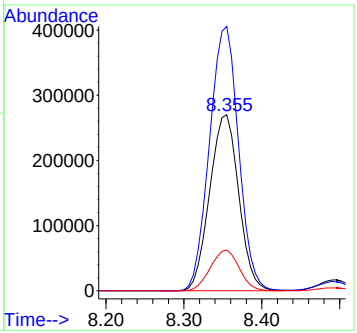


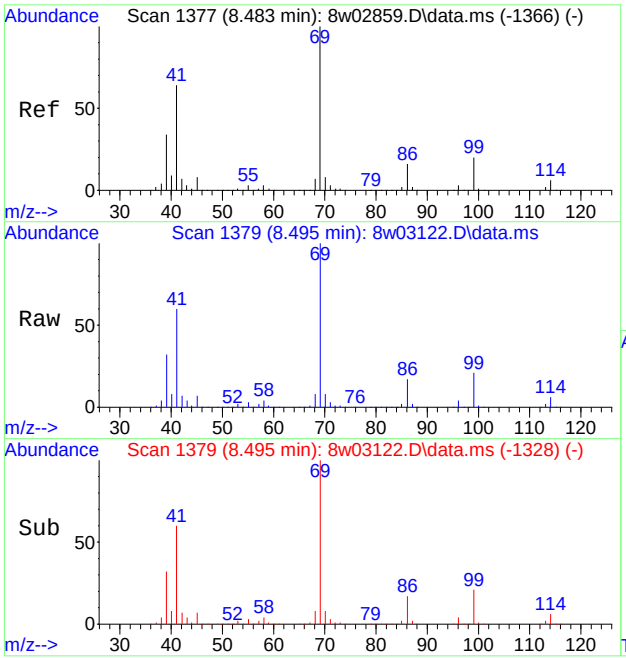


#70
2-HEXANONE
Concen: 35.35 PPBV
RT: 8.355 min Scan# 1356
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 58 Resp: 697895

Ion	Ratio	Lower	Upper
58	100		
43	150.3	124.3	186.5
100	23.0	18.0	27.0

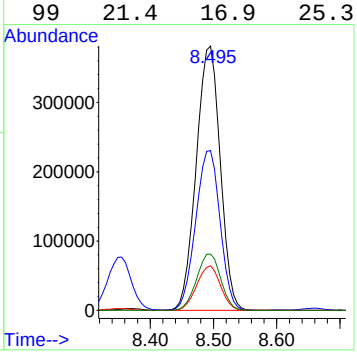


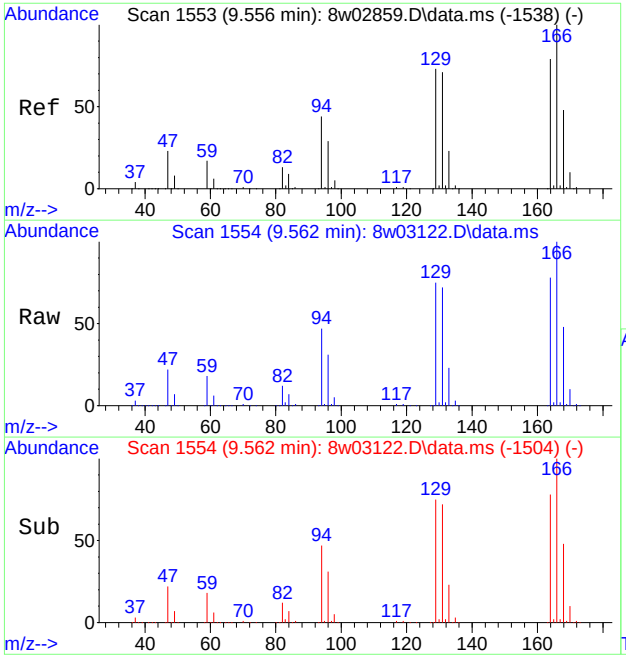


#71
ETHYL METHACRYLATE
Concen: 38.29 PPBV
RT: 8.495 min Scan# 1379
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 69 Resp: 1006142

Ion	Ratio	Lower	Upper
69	100		
41	61.2	50.3	75.5
86	16.7	13.0	19.4
99	21.4	16.9	25.3

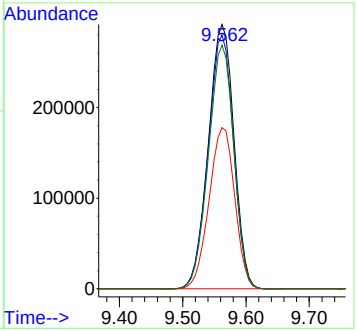


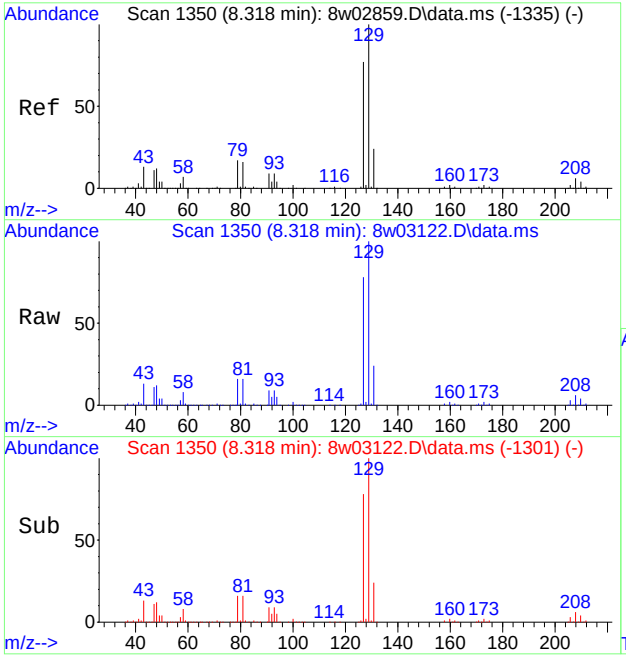


#72
TETRACHLOROETHENE
Concen: 36.66 PPBV
RT: 9.562 min Scan# 1554
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:164 Resp: 819773

Ion	Ratio	Lower	Upper
164	100		
129	95.2	75.8	113.8
168	61.2	48.8	73.2
131	91.5	73.0	109.4

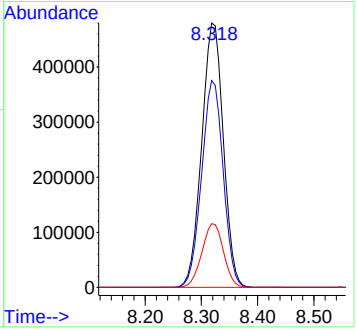


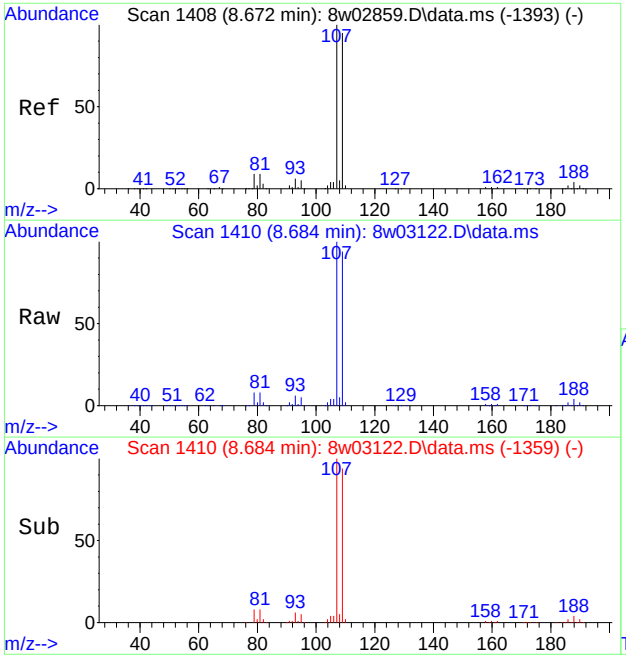


#73
DIBROMOCHLOROMETHANE
Concen: 39.35 PPBV
RT: 8.318 min Scan# 1350
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:129 Resp: 1280806

Ion	Ratio	Lower	Upper
129	100		
127	77.8	62.0	93.0
131	24.1	19.1	28.7

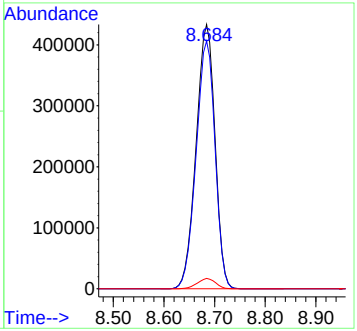


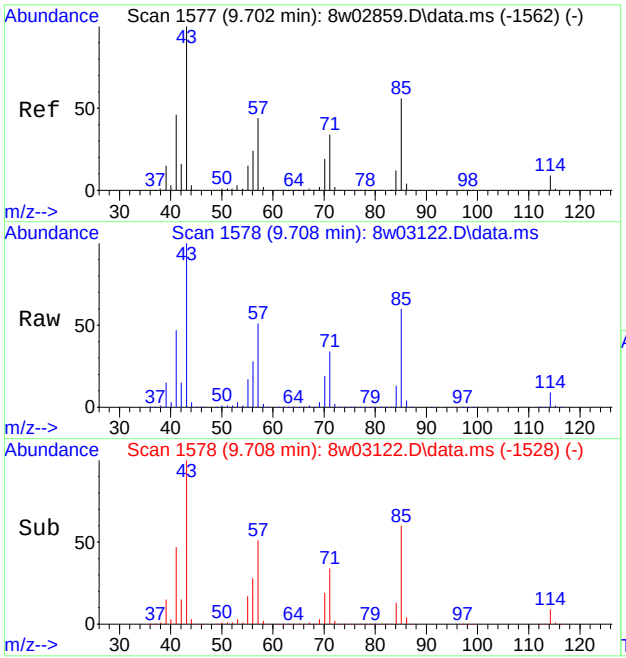


#74
1,2-DIBROMOETHANE
Concen: 37.82 PPBV
RT: 8.684 min Scan# 1410
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:107 Resp: 1123296

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.0
188	3.8	3.0	4.6

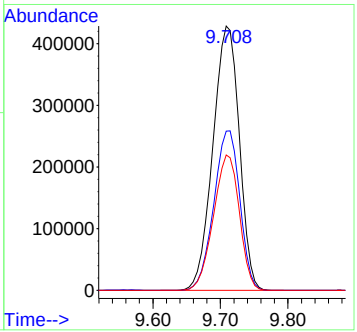


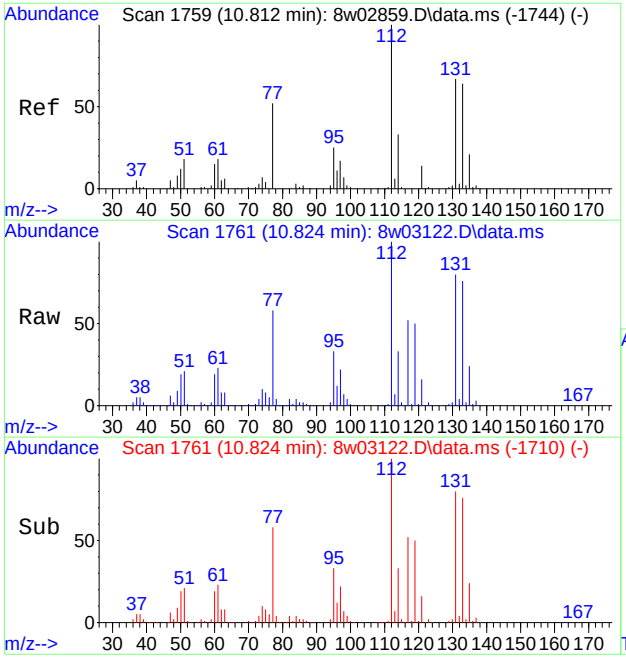


#75
OCTANE
Concen: 35.23 PPBV
RT: 9.708 min Scan# 1578
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 43 Resp: 1166177

Ion	Ratio	Lower	Upper
43	100		
85	59.6	45.1	67.7
57	50.4	39.0	58.6

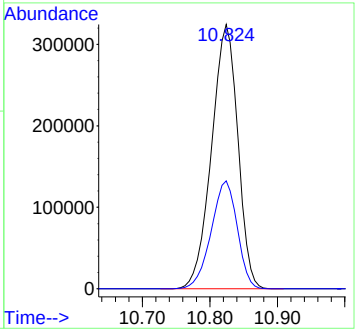


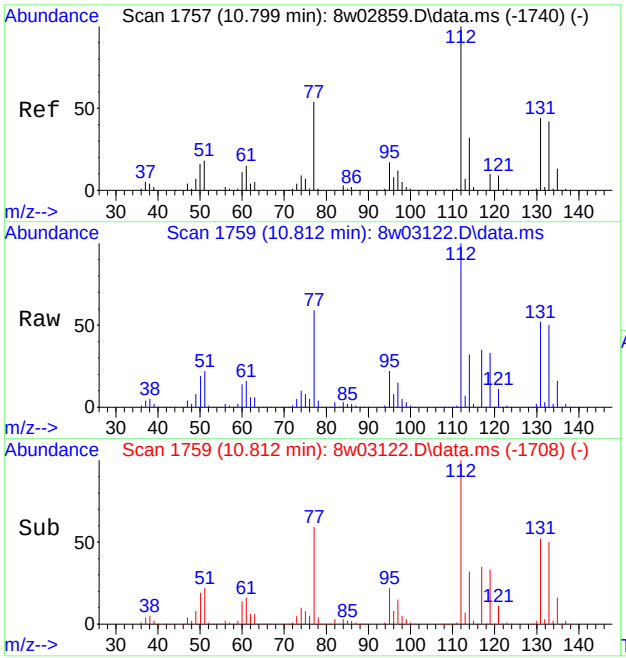


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 35.97 PPBV
RT: 10.824 min Scan# 1761
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:131 Resp: 876989

Ion	Ratio	Lower	Upper
131	100		
95	40.6	31.7	47.5

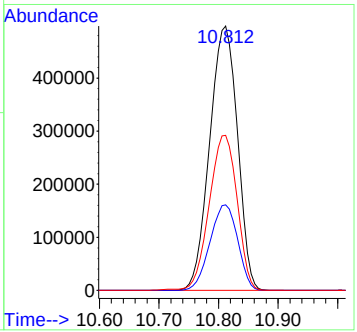


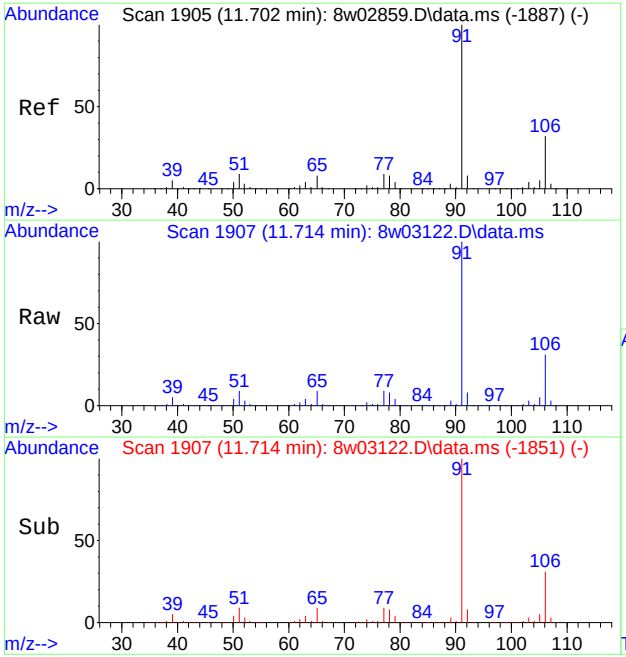


#78
CHLOROBENZENE
Concen: 33.83 PPBV
RT: 10.812 min Scan# 1759
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:112 Resp: 1611337

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5
77	59.0	47.4	71.2

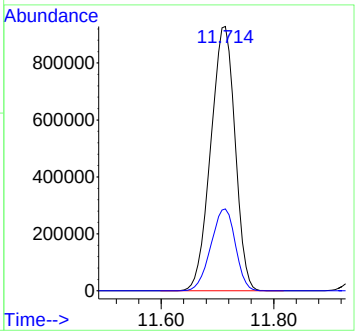


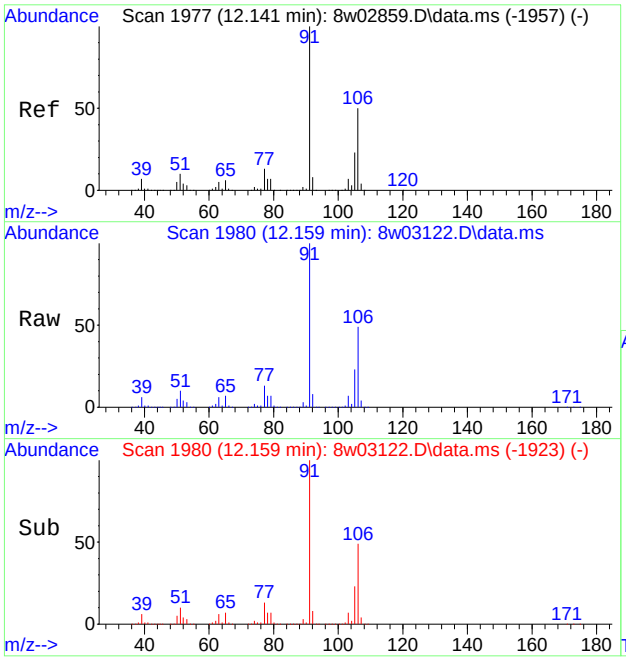


#79
ETHYLBENZENE
Concen: 35.03 PPBV
RT: 11.714 min Scan# 1907
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 91 Resp: 2785483

Ion	Ratio	Lower	Upper
91	100		
106	31.2	11.5	51.5

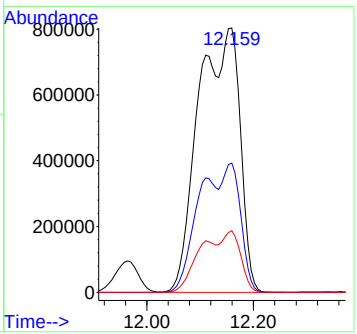


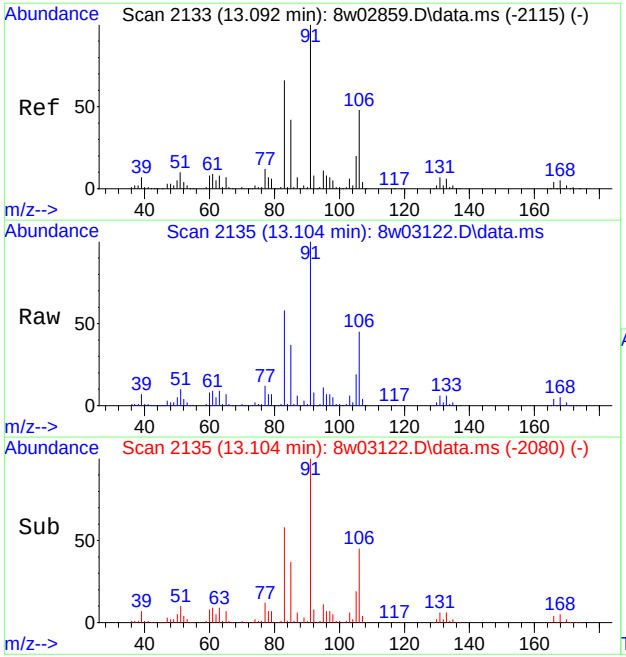


#80
M,P-XYLENE
Concen: 70.09 PPBV
RT: 12.159 min Scan# 1980
Delta R.T. 0.018 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 91 Resp: 4342648

Ion	Ratio	Lower	Upper
91	100		
106	48.4	5.3	45.3#
105	22.2	0.0	31.8

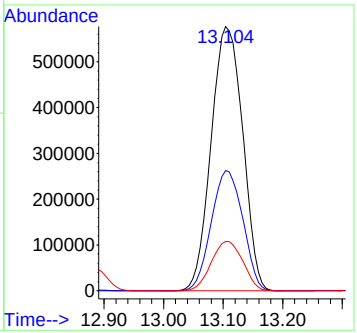


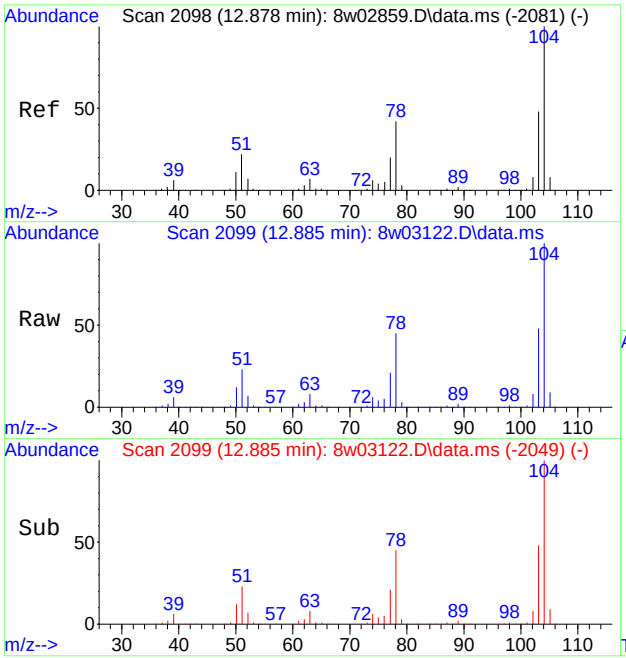


#81
O-XYLENE
Concen: 33.90 PPBV
RT: 13.104 min Scan# 2135
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 91 Resp: 2121934

Ion	Ratio	Lower	Upper
91	100		
106	45.5	36.8	55.2
105	18.7	15.0	22.6

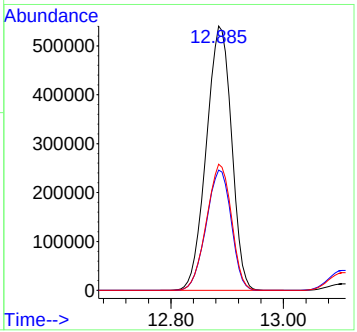


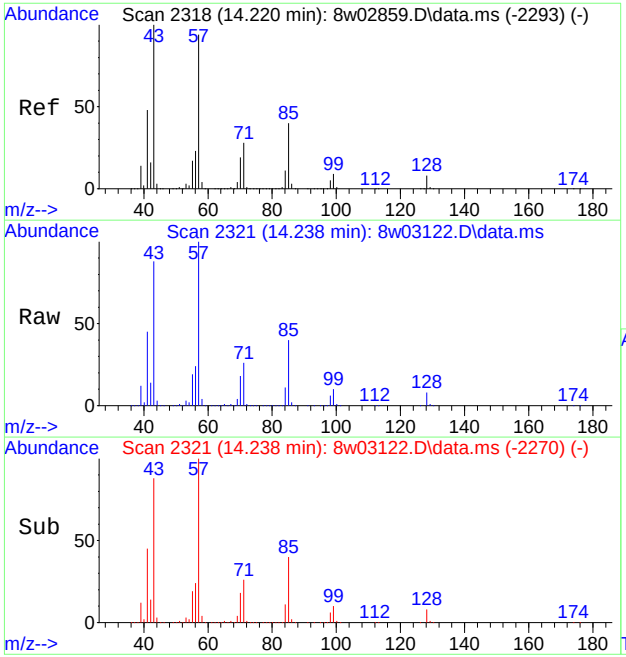


#82
STYRENE
Concen: 35.01 PPBV
RT: 12.885 min Scan# 2099
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:104 Resp: 1683246

Ion	Ratio	Lower	Upper
104	100		
78	45.2	35.4	53.0
103	47.3	37.7	56.5

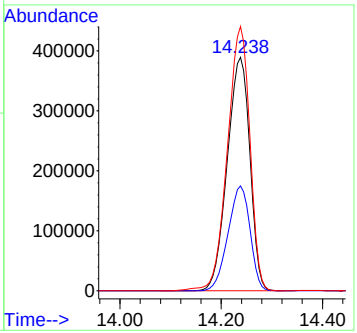


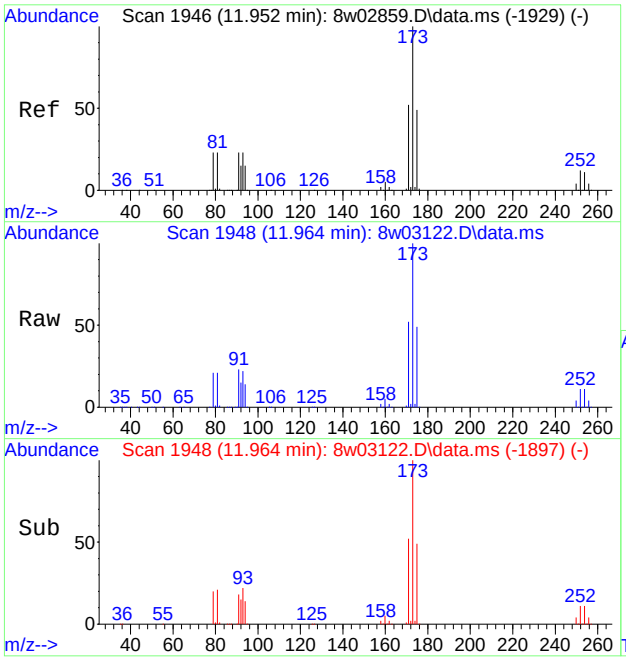


#83
NONANE
Concen: 32.20 PPBV
RT: 14.238 min Scan# 2321
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 43 Resp: 1210370

Ion	Ratio	Lower	Upper
43	100		
85	43.7	32.5	48.7
57	112.2	88.6	132.8

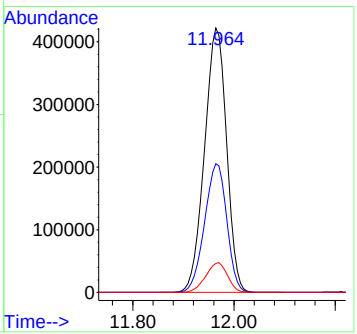


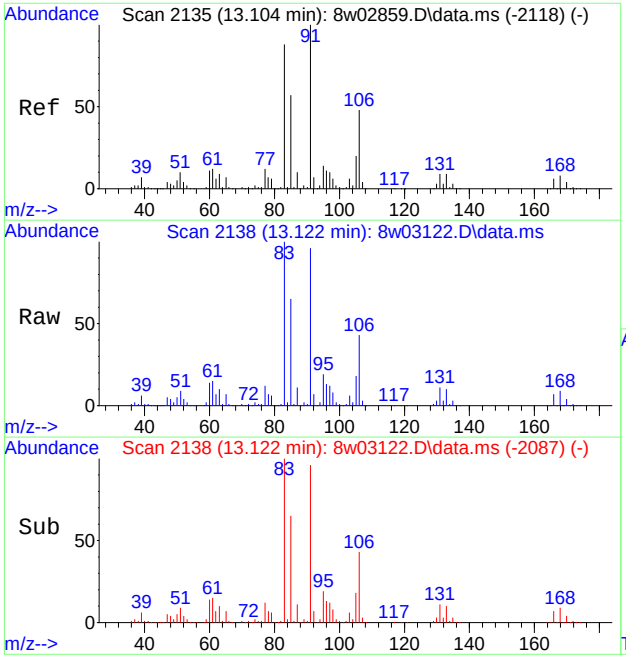


#84
BROMOFORM
Concen: 39.92 PPBV
RT: 11.964 min Scan# 1948
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:173 Resp: 1278232

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.0	58.4
254	11.1	8.7	13.1

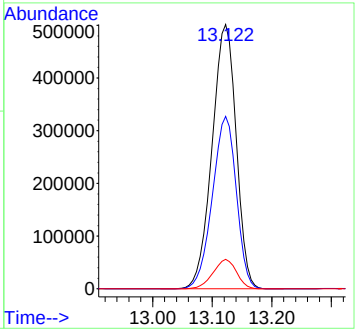


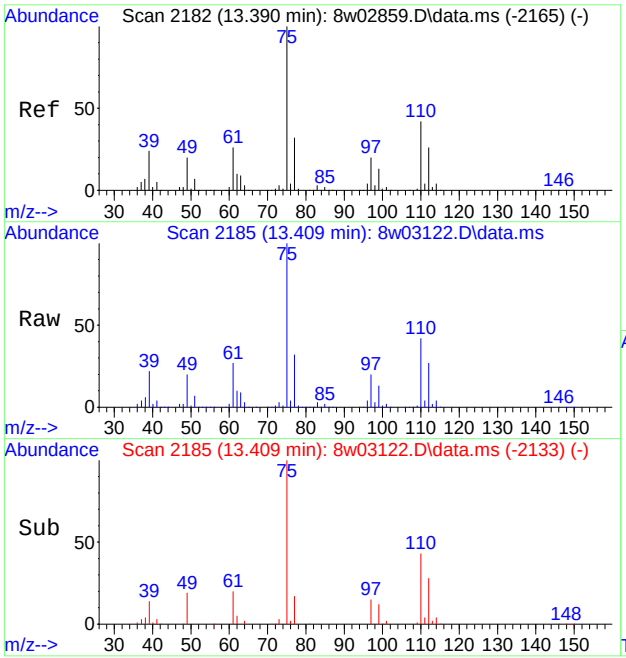


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 32.79 PPBV
RT: 13.122 min Scan# 2138
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 83 Resp: 1406965

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9
131	10.9	8.5	12.7

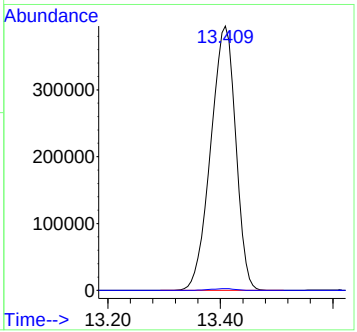


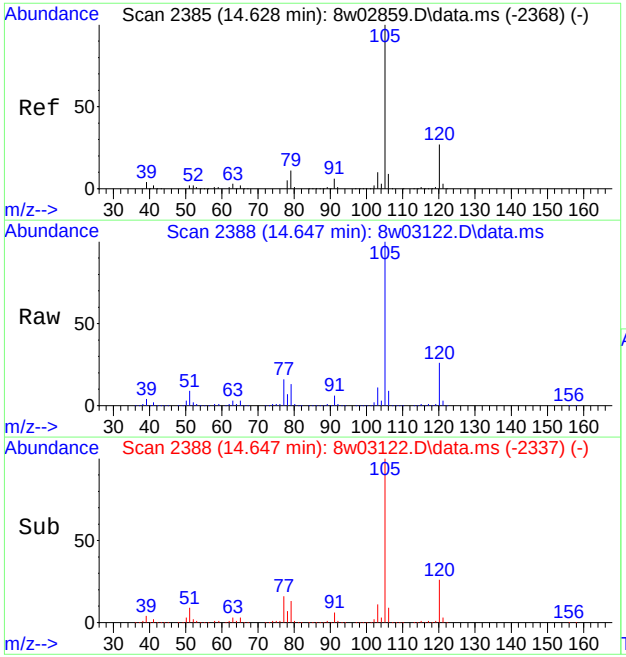


#86
1,2,3-TRICHLOROPROPANE
Concen: 35.12 PPBV
RT: 13.409 min Scan# 2185
Delta R.T. 0.018 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 75 Resp: 1221666

Ion	Ratio	Lower	Upper
75	100		
100	0.7	0.5	0.7

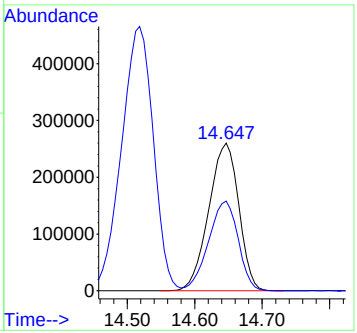


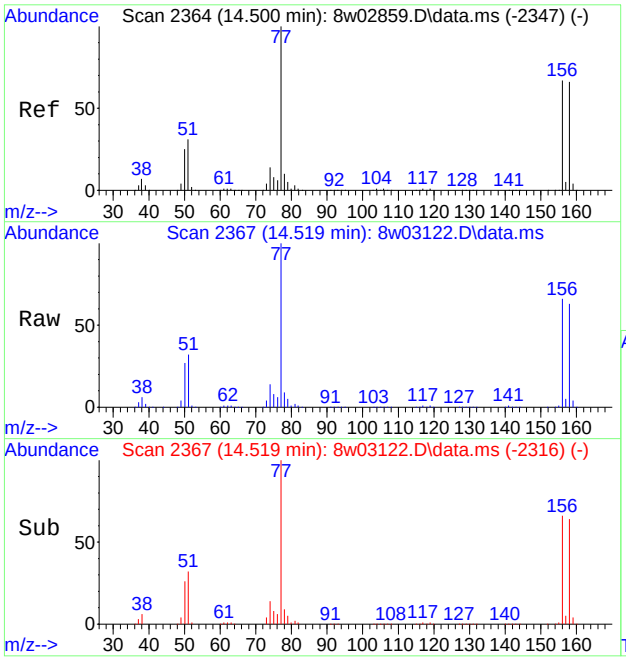


#88
ISOPROPYLBENZENE
Concen: 34.46 PPBV
RT: 14.647 min Scan# 2388
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:120 Resp: 805348

Ion	Ratio	Lower	Upper
120	100		
77	59.8	46.8	70.2

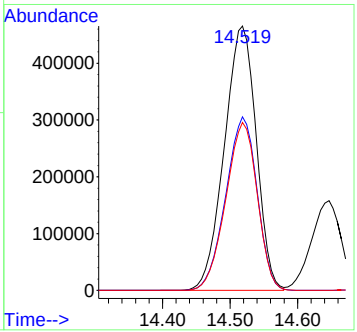


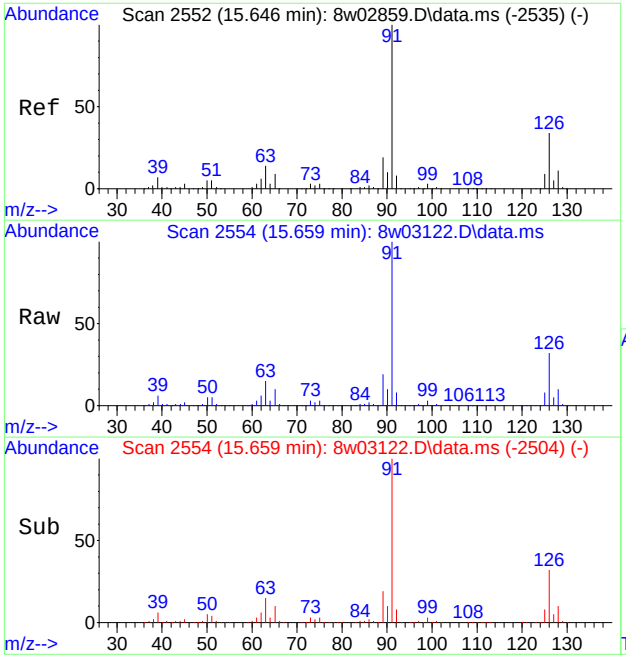


#89
BROMOBENZENE
Concen: 35.18 PPBV
RT: 14.519 min Scan# 2367
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 77 Resp: 1529491

Ion	Ratio	Lower	Upper
77	100		
156	64.7	51.5	77.3
158	62.6	50.2	75.4

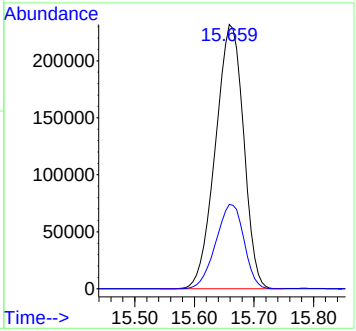


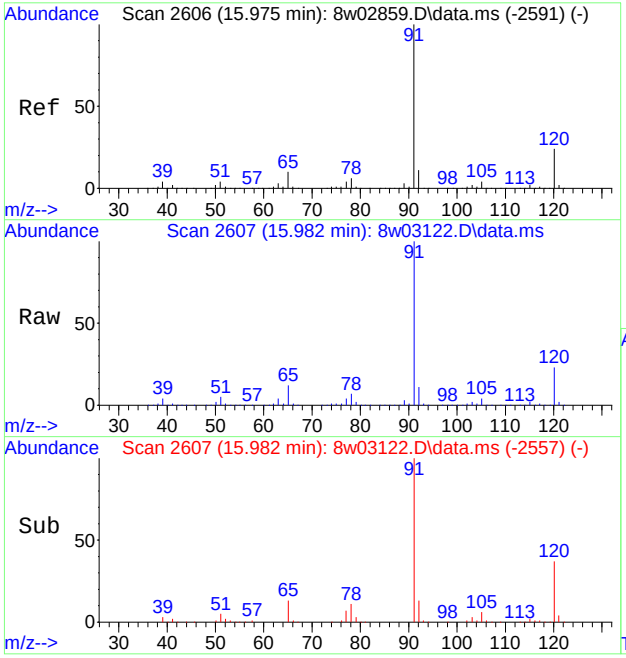


#90
2-CHLOROTOLUENE
Concen: 35.51 PPBV
RT: 15.659 min Scan# 2554
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:126 Resp: 758201

Ion	Ratio	Lower	Upper
126	100		
128	32.1	26.0	39.0

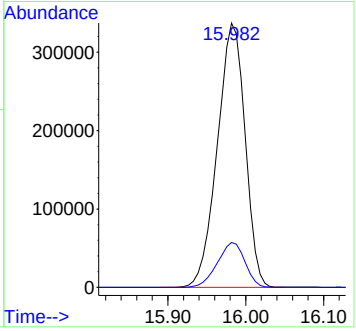


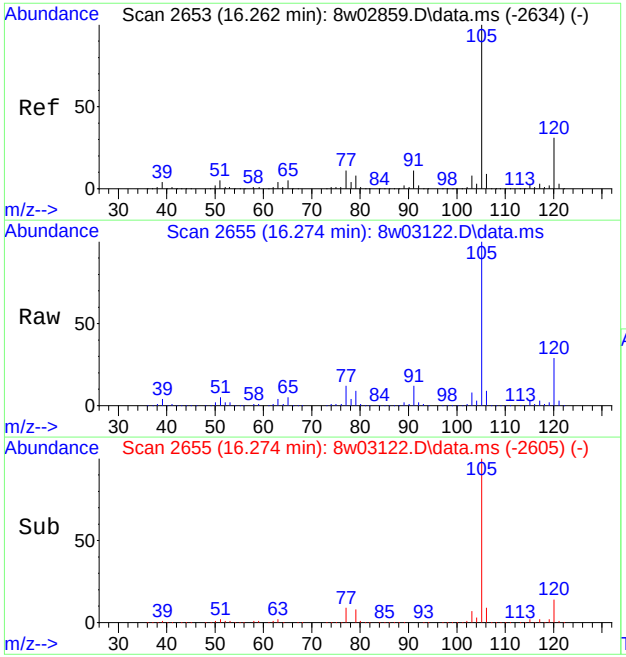


#91
N-PROPYLBENZENE
Concen: 34.20 PPBV
RT: 15.982 min Scan# 2607
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:120 Resp: 831991

Ion	Ratio	Lower	Upper
120	100		
105	17.0	13.3	19.9

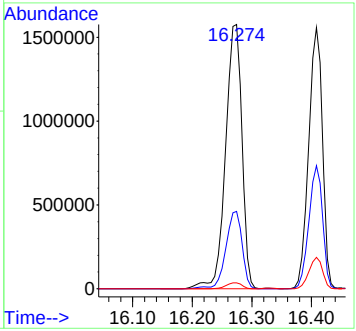


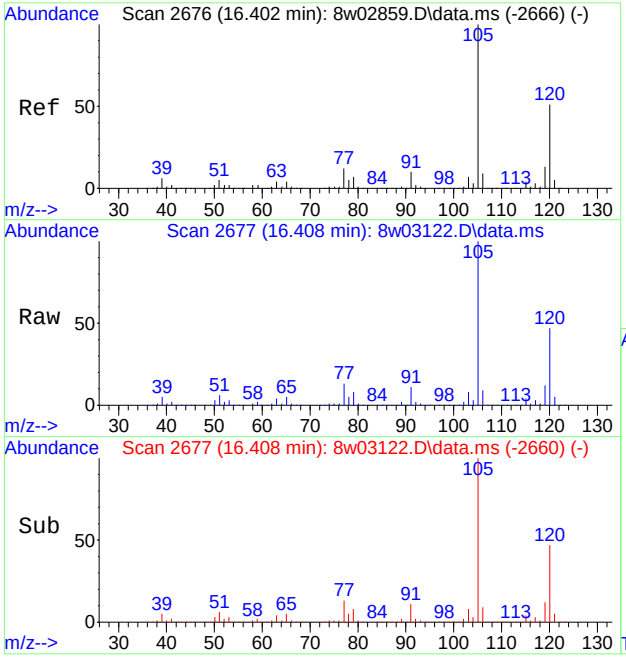


#92
4-ETHYLTOLUENE
Concen: 33.67 PPBV
RT: 16.274 min Scan# 2655
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:105 Resp: 3007138

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.2	34.8
119	2.3	1.8	2.8

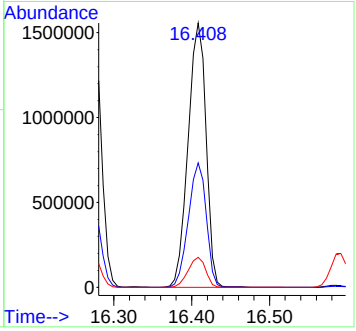


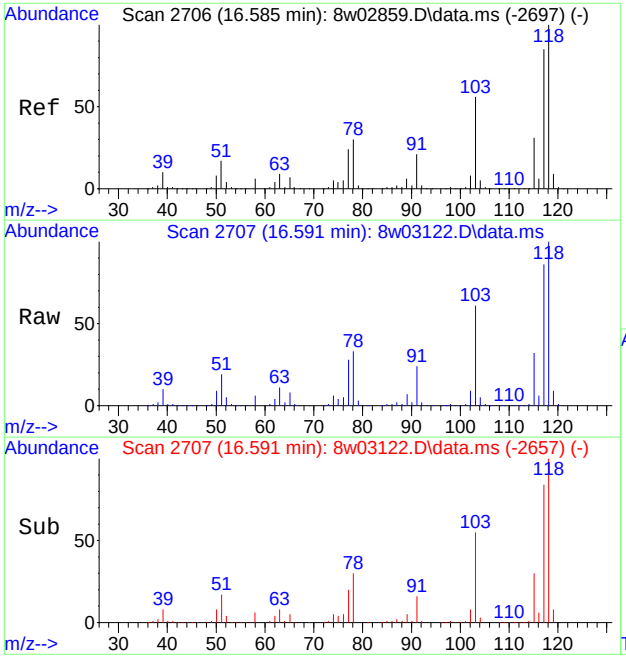


#93
1,3,5-TRIMETHYLBENZENE
Concen: 33.51 PPBV
RT: 16.408 min Scan# 2677
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:105 Resp: 2500603

Ion	Ratio	Lower	Upper
105	100		
120	46.9	38.2	57.4
91	11.2	8.7	13.1

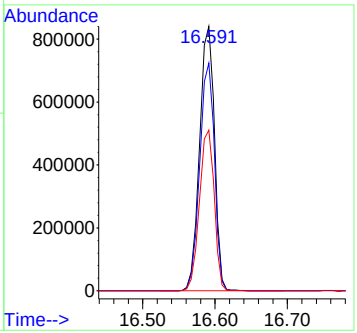


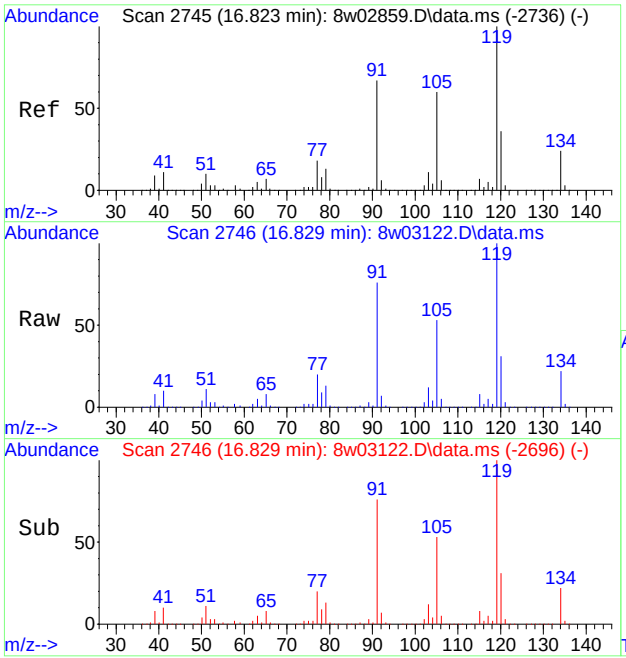


#94
ALPHA-METHYLSTYRENE
Concen: 32.80 PPBV
RT: 16.591 min Scan# 2707
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:118 Resp: 1198243

Ion	Ratio	Lower	Upper
118	100		
117	85.5	68.5	102.7
103	60.5	46.9	70.3

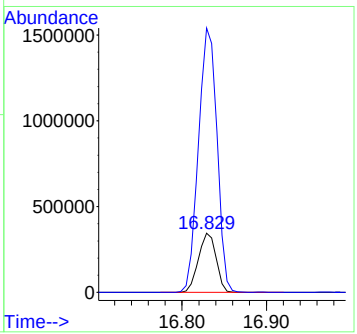


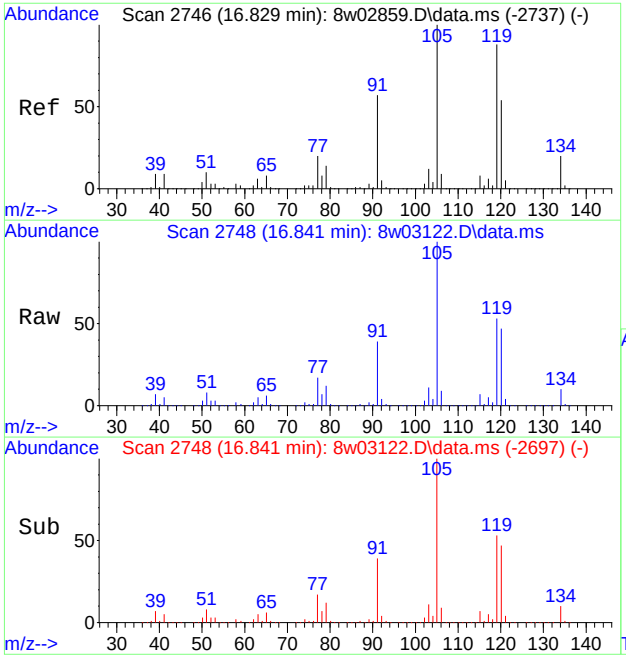


#95
TERT-BUTYLBENZENE
Concen: 31.40 PPBV
RT: 16.829 min Scan# 2746
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:134 Resp: 503289

Ion	Ratio	Lower	Upper
134	100		
119	468.7	376.4	564.6

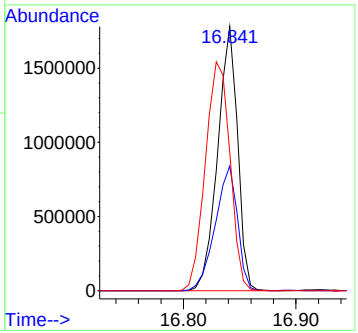


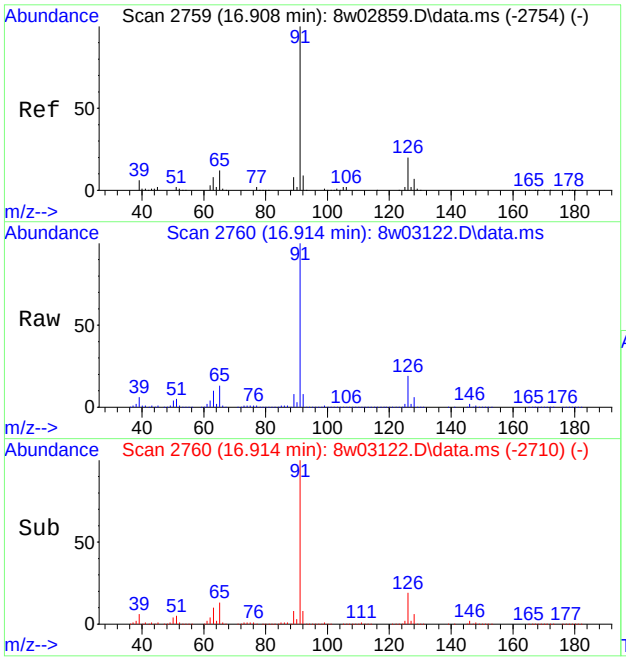


#96
1,2,4-TRIMETHYLBENZENE
Concen: 30.94 PPBV
RT: 16.841 min Scan# 2748
Delta R.T. 0.012 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:105 Resp: 2203640

Ion	Ratio	Lower	Upper
105	100		
120	52.4	42.1	63.1
119	107.1	84.6	127.0

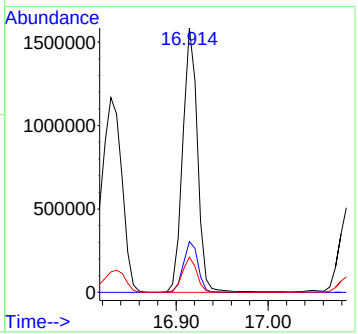


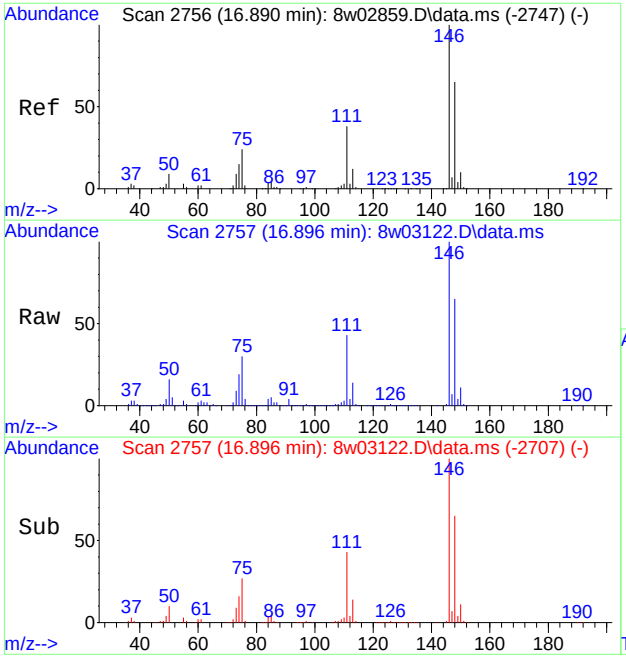


#97
BENZYL CHLORIDE
Concen: 48.95 PPBV
RT: 16.914 min Scan# 2760
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion: 91 Resp: 1773461

Ion	Ratio	Lower	Upper
91	100		
126	19.2	15.2	22.8
65	13.2	10.3	15.5

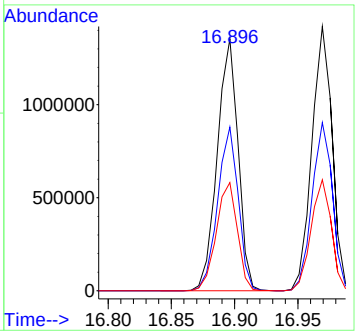


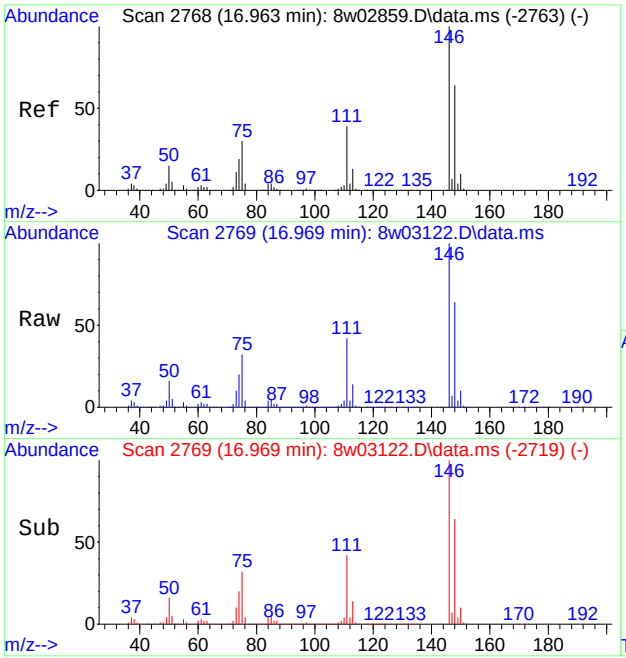


#98
M-DICHLOROBENZENE
Concen: 32.41 PPBV
RT: 16.896 min Scan# 2757
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:146 Resp: 1553647

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.4
111	43.6	34.2	51.4

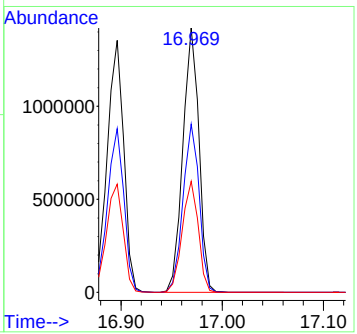


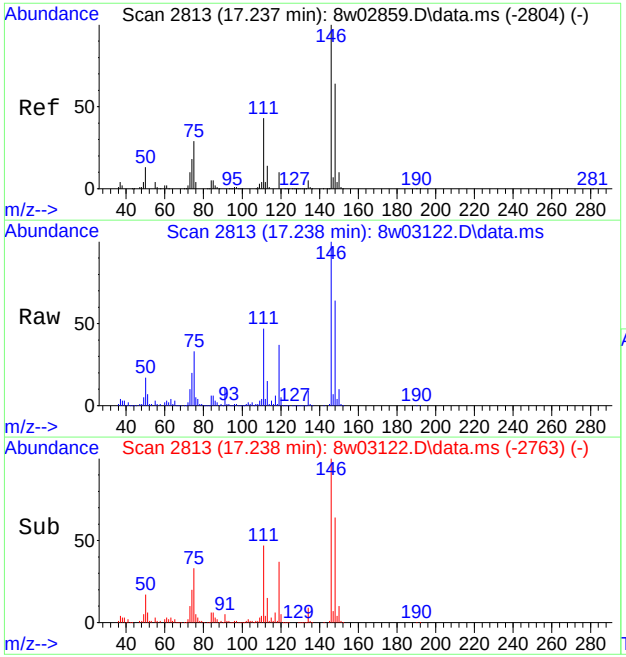


#99
P-DICHLOROBENZENE
Concen: 32.60 PPBV
RT: 16.969 min Scan# 2769
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:146 Resp: 1574875

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
111	42.0	32.8	49.2

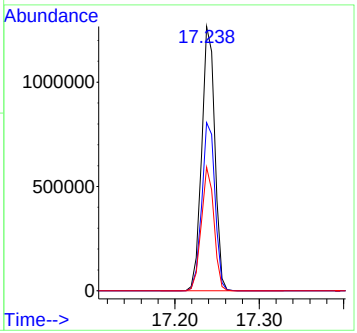


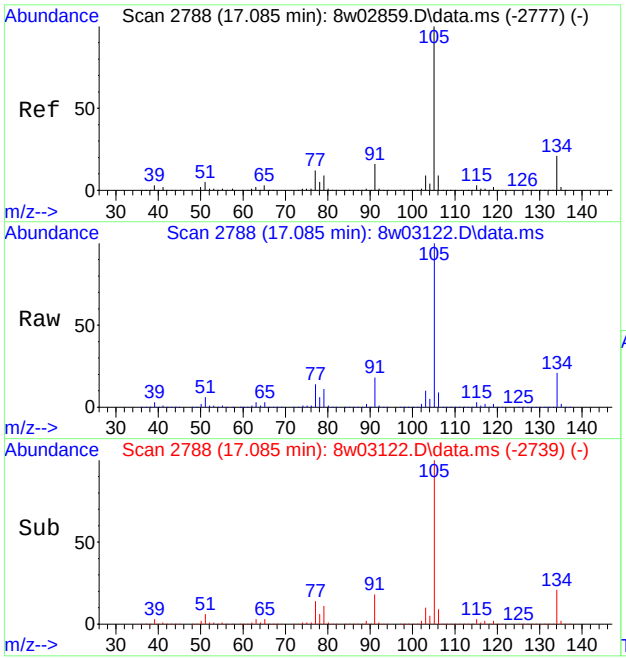


#100
O-DICHLOROBENZENE
Concen: 30.89 PPBV
RT: 17.238 min Scan# 2813
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:146 Resp: 1370367

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
111	45.1	35.9	53.9

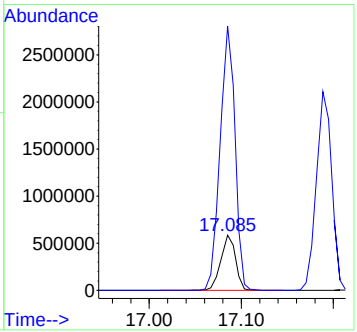


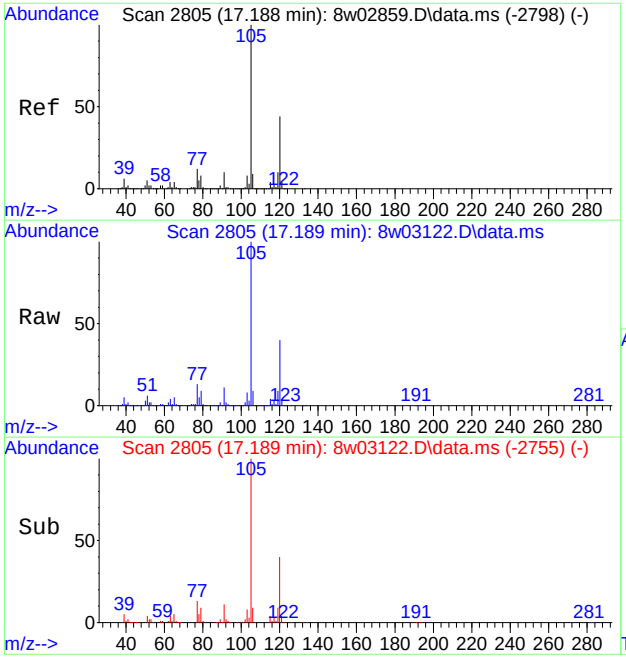


#101
SEC-BUTYLBENZENE
Concen: 31.75 PPBV
RT: 17.085 min Scan# 2788
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:134 Resp: 652871

Ion	Ratio	Lower	Upper
134	100		
105	485.2	405.0	607.6

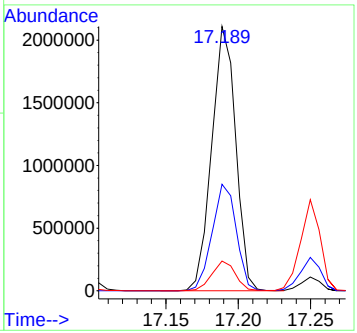


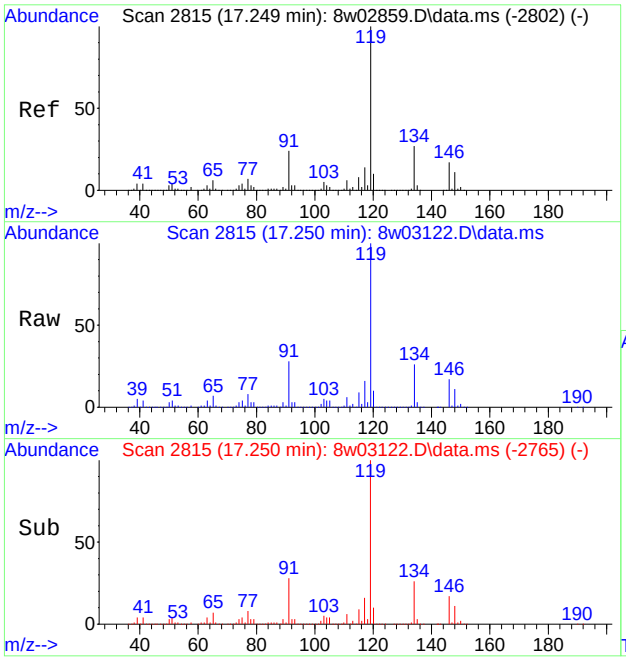


#102
1,2,3-TRIMETHYLBENZENE
Concen: 33.11 PPBV
RT: 17.189 min Scan# 2805
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:105 Resp: 2439997

Ion	Ratio	Lower	Upper
105	100		
120	40.7	32.6	49.0
91	11.1	8.4	12.6

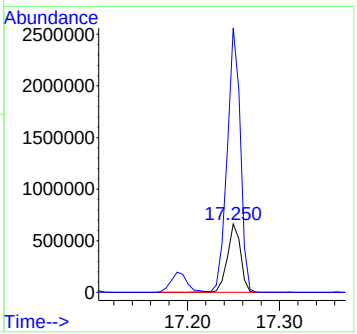


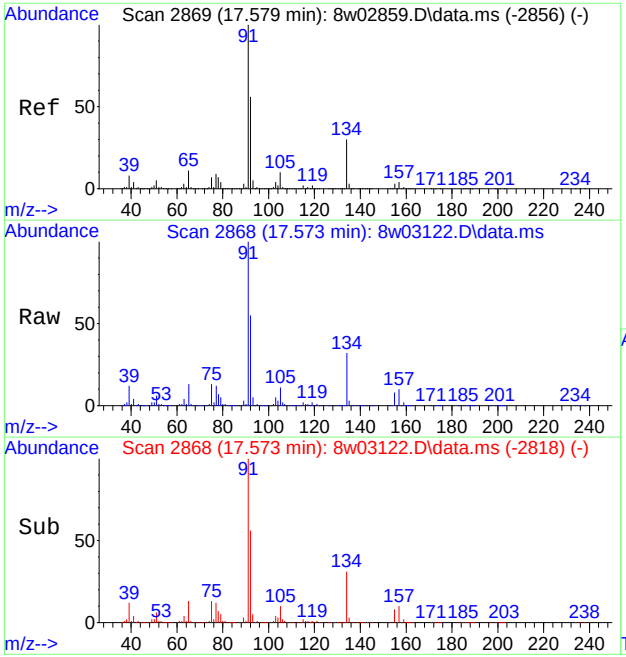


#103
P-ISOPROPYLTOLUENE
Concen: 30.23 PPBV
RT: 17.250 min Scan# 2815
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:134 Resp: 658976

Ion	Ratio	Lower	Upper
134	100		
119	386.9	316.6	474.8

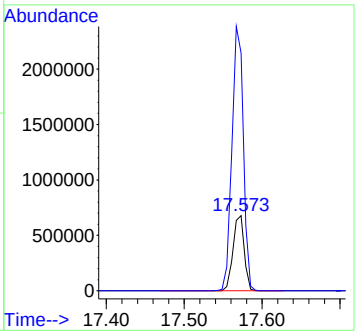


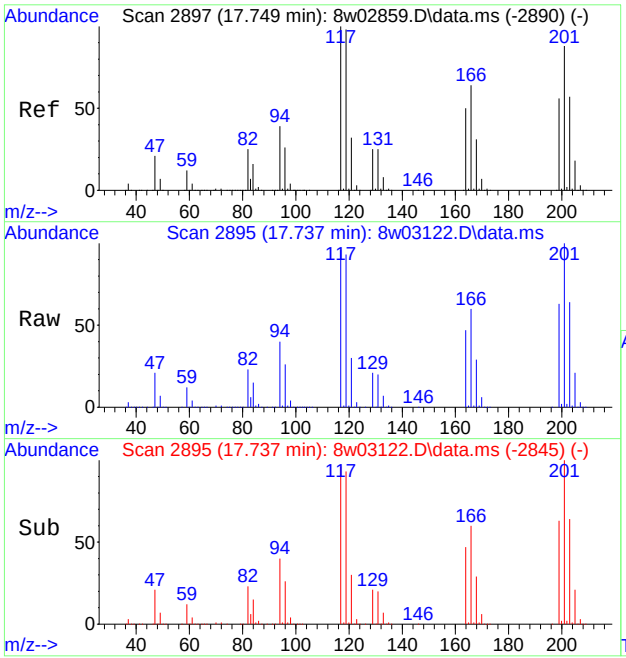


#104
N-BUTYLBENZENE
Concen: 31.46 PPBV
RT: 17.573 min Scan# 2868
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:134 Resp: 676574

Ion	Ratio	Lower	Upper
134	100		
91	357.3	305.3	457.9

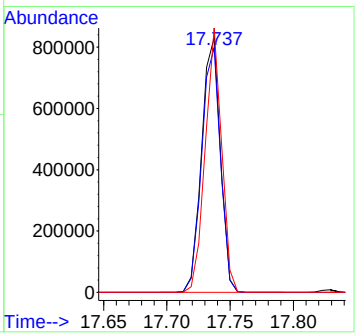


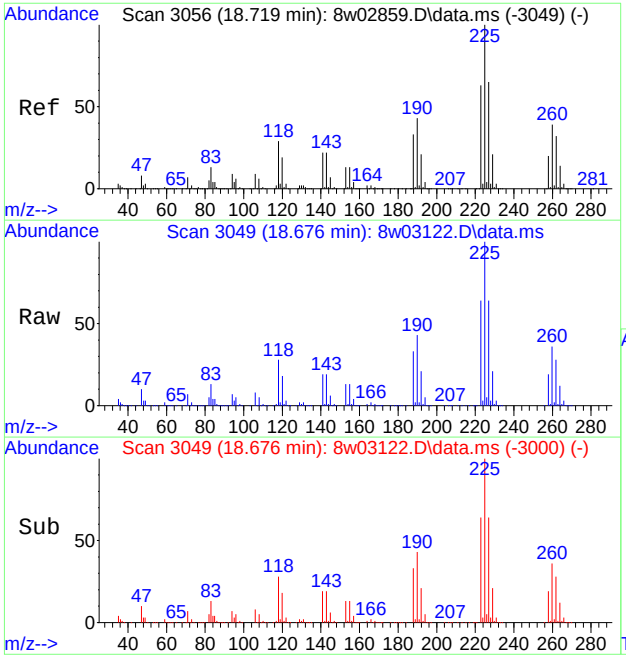


#105
HEXACHLOROETHANE
Concen: 34.89 PPBV
RT: 17.737 min Scan# 2895
Delta R.T. 0.006 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:117 Resp: 855211

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.6
201	90.8	64.2	96.2

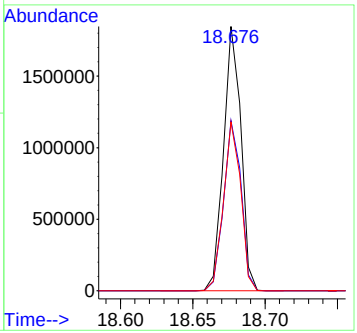


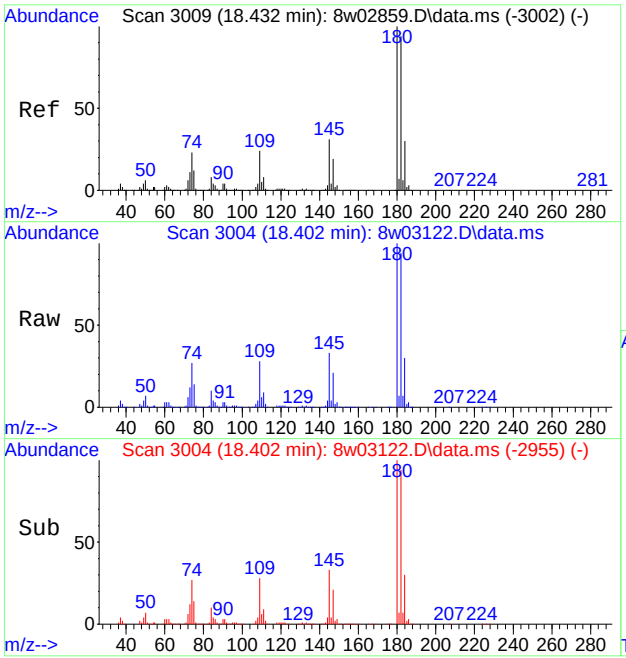


#106
HEXACHLOROBUTADIENE
Concen: 40.49 PPBV
RT: 18.676 min Scan# 3049
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:225 Resp: 1551917

Ion	Ratio	Lower	Upper
225	100		
227	64.4	51.2	76.8
223	63.3	50.2	75.4

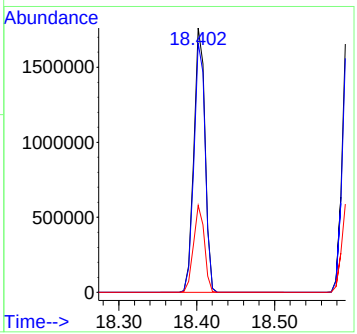


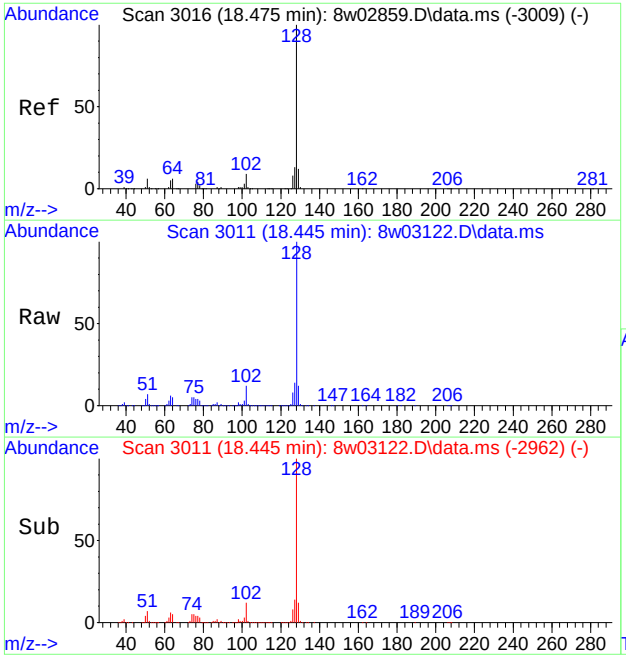


#107
1,2,4-TRICHLOROBENZENE
Concen: 38.95 PPBV
RT: 18.402 min Scan# 3004
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:180 Resp: 1753519

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.0	114.0
145	32.2	26.2	39.2

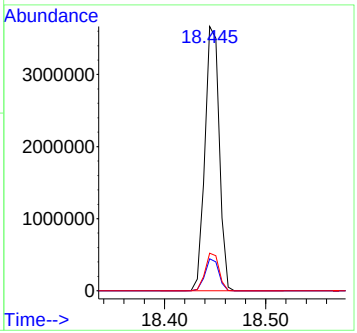


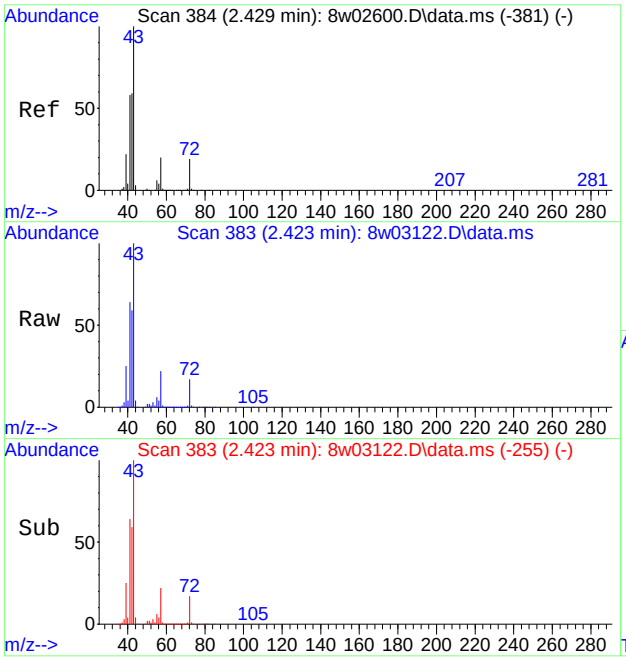


#108
NAPHTHALENE
Concen: 35.26 PPBV
RT: 18.445 min Scan# 3011
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:128 Resp: 3616611

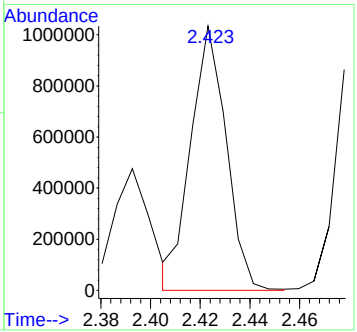
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.7	10.2	15.2





#110
TVHC as equiv Pentane
Concen: 23.11 PPBV m
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03122.D
Acq: 20 Dec 2023 01:55 am

Tgt Ion:TIC Resp: 1024359



Manual Integration Approval Summary

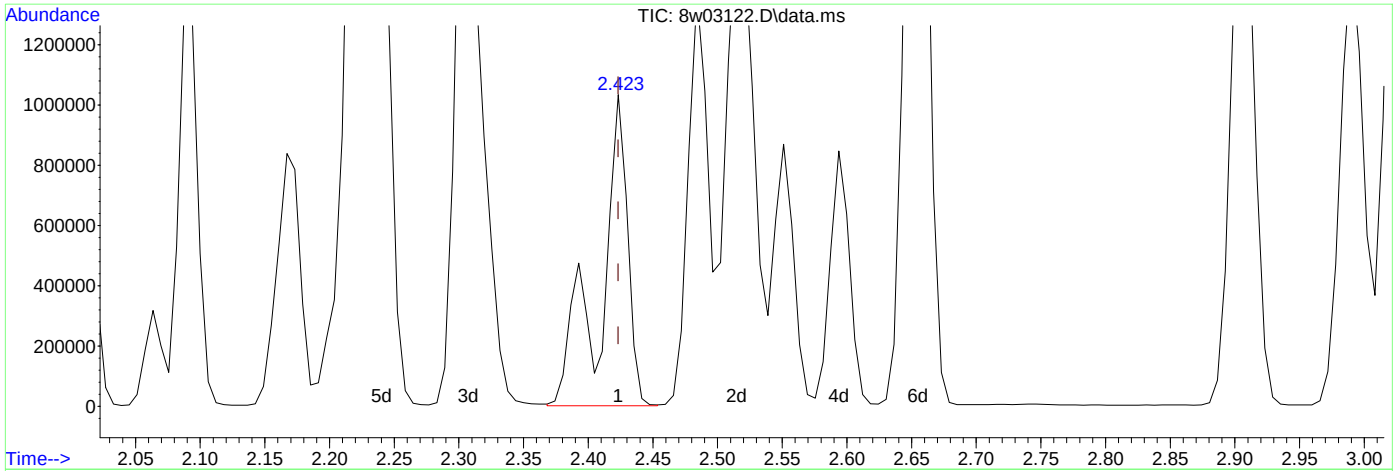
Sample Number:	V8W124-IC0124	**Method:**	TO-15
Lab FileID:	8W03122.D	**Analyst approved:**	12/21/23 10:34 Taylor Sauter
Injection Time:	12/20/23 01:55	**Supervisor approved:**	12/21/23 12:36 Kanya Veerawat

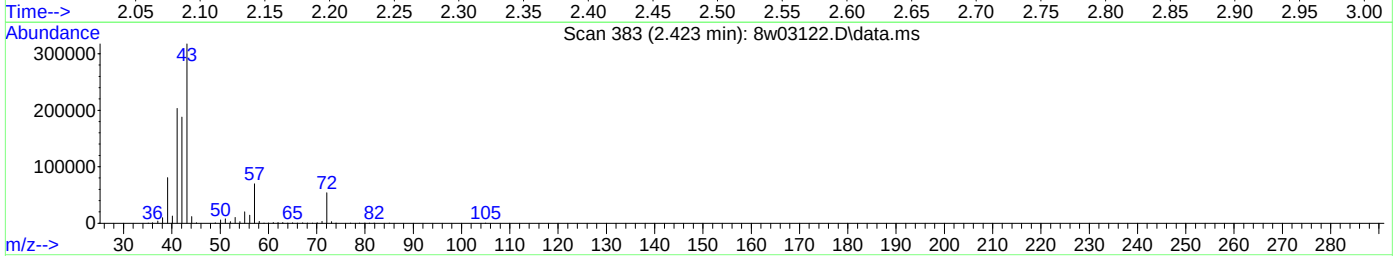
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Missed peak

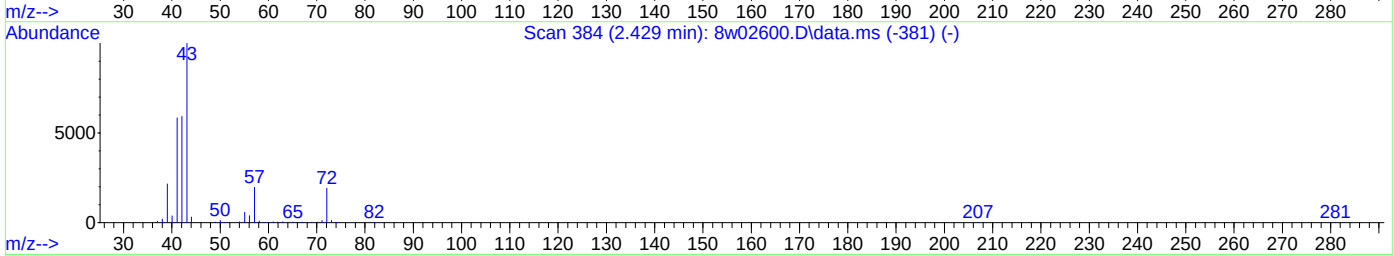
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03122.D
Acq On : 20 Dec 2023 01:55 am
Operator : taylors
Sample : ic0124-40
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 08:39:07 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration







TIC: 8w03122.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 34.03PPBV

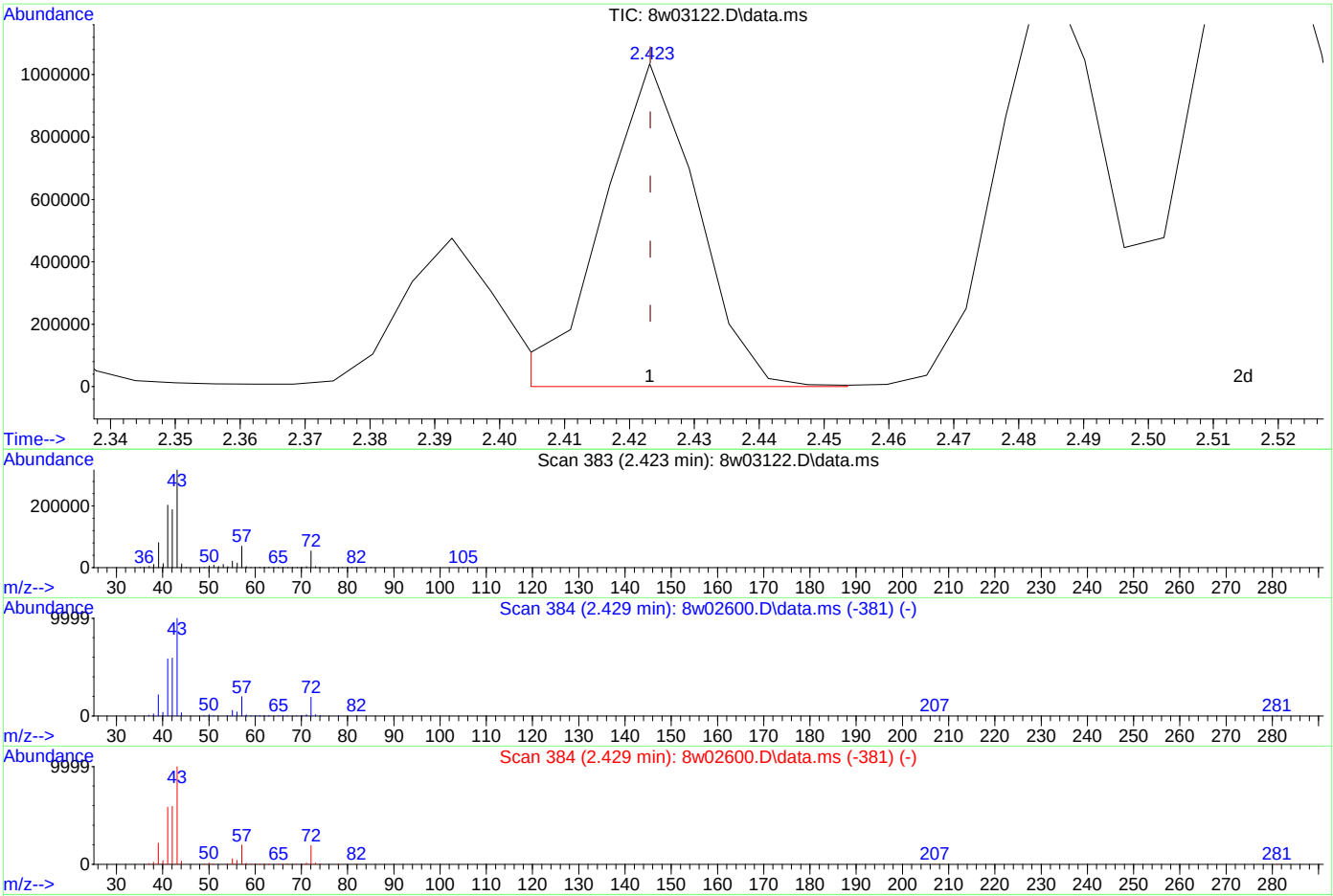
response 1508294

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03122.D
Acq On : 20 Dec 2023 01:55 am
Operator : taylors
Sample : ic0124-40
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 08:39:07 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03122.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 23.11PPBV m

response 1024359

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/21/23 12:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03123.D
Acq On : 20 Dec 2023 02:37 am
Operator : taylors
Sample : ic0124-50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:55:19 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	155248	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	780937	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.726	117	743037	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	155248	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.159	95	575113	10.00	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	363219	39.10	PPBV		100
4) CHLORODIFLUOROMETHANE	1.752	67	165421	40.70	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.764	116	699924	36.49	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.783	85	1153350	35.00	PPBV		100
7) PROPYLENE	1.758	41	272023	30.37	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.819	65	840860	38.62	PPBV	#	100
9) FREON 114	1.856	85	939264	37.92	PPBV		96
10) CHLOROMETHANE	1.825	52	63897	37.82	PPBV		99
11) VINYL CHLORIDE	1.892	62	296706	39.50	PPBV		99
12) 1,3-BUTADIENE	1.929	54	200066	38.58	PPBV		98
13) N-BUTANE	1.947	43	316088	37.50	PPBV		99
14) BROMOMETHANE	2.014	94	323588	41.41	PPBV		99
15) CHLOROETHANE	2.063	64	163781	39.97	PPBV		99
16) DICHLOROFLUOROMETHANE	2.088	67	759538	38.20	PPBV		99
17) ACETONITRILE	2.161	41	181568	38.06	PPBV		99
18) ACROLEIN	2.203	56	129678	38.66	PPBV		98
19) FREON 123	2.216	83	757839	38.25	PPBV		99
20) FREON 123A	2.234	117	519751	40.23	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.301	101	1190949	39.36	PPBV		100
22) ISOPROPYL ALCOHOL	2.319	45	509157	38.34	PPBV		99
23) ACETONE	2.240	58	131846	37.18	PPBV		98
24) PENTANE	2.423	42	214690	37.74	PPBV		98
25) IODOMETHANE	2.484	142	963570	41.95	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.514	96	329321	41.13	PPBV		92
27) CARBON DISULFIDE	2.655	76	687919	39.80	PPBV	#	100
28) ETHANOL	2.094	45	104496	36.40	PPBV		97
29) BROMOETHENE	2.167	106	336971	41.05	PPBV		99
30) ACRYLONITRILE	2.392	52	191784	40.41	PPBV		99
31) METHYLENE CHLORIDE	2.551	84	287075	41.31	PPBV		96
32) 3-CHLOROPROPENE	2.594	76	150953	42.86	PPBV		94
33) FREON 113	2.655	151	662342	41.26	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	2.904	96	573883	41.28	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.520	59	693317	39.65	PPBV		97
36) METHYL TERTIARY BUTYL ...	3.026	73	1700760	41.69	PPBV		99
37) TETRAHYDROFURAN	3.782	72	293898	41.14	PPBV		93
38) HEXANE	3.532	57	702681	30.15	PPBV		97
39) VINYL ACETATE	3.069	86	167697	43.18	PPBV		84
40) 1,1-DICHLOROETHANE	2.990	63	1053217	40.05	PPBV		99
41) METHYL ETHYL KETONE	3.173	72	300853	40.21	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.392	96	654850	40.06	PPBV		99
43) DIISOPROPYL ETHER	3.545	59	216677	30.82	PPBV		82
44) ETHYL ACETATE	3.551	61	133675	30.23	PPBV		92
45) METHYL ACRYLATE	3.526	55	917992	32.12	PPBV	#	99
46) CHLOROFORM	3.563	83	1200707	38.68	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.099	57	1123255	37.28	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.185	97	1407056	43.39	PPBV		98
49) CARBON TETRACHLORIDE	4.642	117	1488467	44.96	PPBV		99
50) 1,2-DICHLOROETHANE	4.008	62	951677	41.48	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03123.D
Acq On : 20 Dec 2023 02:37 am
Operator : taylors
Sample : ic0124-50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:55:19 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.520	78	1837296	41.00	PPBV		99
53)	CYCLOHEXANE	4.752	84	859221	41.64	PPBV		97
54)	2,3-DIMETHYLPENTANE	5.026	71	421161	40.56	PPBV		94
55)	TRICHLOROETHENE	5.495	95	854213	40.51	PPBV		99
56)	1,2-DICHLOROPROPANE	5.245	63	706485	41.25	PPBV		99
57)	DIBROMOMETHANE	5.203	174	815220	42.32	PPBV		99
58)	ETHYL ACRYLATE	5.374	55	1525007	41.70	PPBV		99
59)	BROMODICHLOROMETHANE	5.441	83	1471988	43.27	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.593	57	2983037	37.74	PPBV		100
61)	1,4-DIOXANE	5.502	88	428536	38.64	PPBV		98
62)	HEPTANE	5.934	43	924154	37.40	PPBV		95
63)	METHYL METHACRYLATE	5.819	69	712644	42.72	PPBV		96
64)	METHYL ISOBUTYL KETONE	6.599	58	611843	40.70	PPBV		95
65)	CIS-1,3-DICHLOROPROPENE	6.489	75	1134300	46.17	PPBV		98
66)	TOLUENE	7.763	91	2394324	42.35	PPBV		100
67)	1,3-DICHLOROPROPANE	7.824	76	1174086	42.59	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.209	75	1077946	49.66	PPBV		98
69)	1,1,2-TRICHLOROETHANE	7.373	83	687085	43.47	PPBV		99
70)	2-HEXANONE	8.355	58	809502	40.34	PPBV		96
71)	ETHYL METHACRYLATE	8.495	69	1190934	44.59	PPBV		97
72)	TETRACHLOROETHENE	9.562	164	968461	42.61	PPBV		100
73)	DIBROMOCHLOROMETHANE	8.324	129	1520202	45.95	PPBV		100
74)	1,2-DIBROMOETHANE	8.684	107	1327569	43.98	PPBV		100
75)	OCTANE	9.714	43	1341885	39.88	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.824	131	1040141	42.05	PPBV		99
78)	CHLOROBENZENE	10.812	112	1896923	39.26	PPBV		100
79)	ETHYLBENZENE	11.714	91	3291950	40.80	PPBV		100
80)	M,P-XYLENE	12.159	91	5116862	81.40	PPBV	#	60
81)	O-XYLENE	13.110	91	2496447	39.31	PPBV		99
82)	STYRENE	12.890	104	1995985	40.92	PPBV		99
83)	NONANE	14.238	43	1392621	36.51	PPBV		96
84)	BROMOFORM	11.970	173	1528432	47.05	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	13.122	83	1635343	37.56	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	13.415	75	1446361	40.98	PPBV		100
88)	ISOPROPYLBENZENE	14.646	120	947570	39.96	PPBV		98
89)	BROMOBENZENE	14.518	77	1808413	41.00	PPBV		100
90)	2-CHLOROTOLUENE	15.664	126	899899	41.55	PPBV		99
91)	N-PROPYLBENZENE	15.987	120	983647	39.86	PPBV		99
92)	4-ETHYLTOLUENE	16.274	105	3505035	38.68	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.408	105	2932245	38.73	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.591	118	1420935	38.34	PPBV		99
95)	TERT-BUTYLBENZENE	16.835	134	594665	36.57	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.841	105	2559435	35.41	PPBV		98
97)	BENZYL CHLORIDE	16.914	91	2173916	59.14	PPBV		99
98)	M-DICHLOROBENZENE	16.896	146	1830685	37.64	PPBV		99
99)	P-DICHLOROBENZENE	16.969	146	1861858	37.98	PPBV		99
100)	O-DICHLOROBENZENE	17.243	146	1607370	35.72	PPBV		99
101)	SEC-BUTYLBENZENE	17.085	134	765000	36.67	PPBV		90
102)	1,2,3-TRIMETHYLBENZENE	17.195	105	2840468	37.99	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.256	134	773792	34.98	PPBV		94
104)	N-BUTYLBENZENE	17.573	134	805010	36.89	PPBV		83
105)	HEXACHLOROETHANE	17.737	117	989387	39.78	PPBV		92
106)	HEXACHLOROBUTADIENE	18.676	225	1904995	48.99	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.408	180	2271258	49.73	PPBV		100
108)	NAPHTHALENE	18.450	128	4662287	44.80	PPBV		97
110)	TVHC as equiv Pentane	2.423	TIC	1188324m	26.48	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03123.D
Acq On : 20 Dec 2023 02:37 am
Operator : taylors
Sample : ic0124-50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:55:19 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

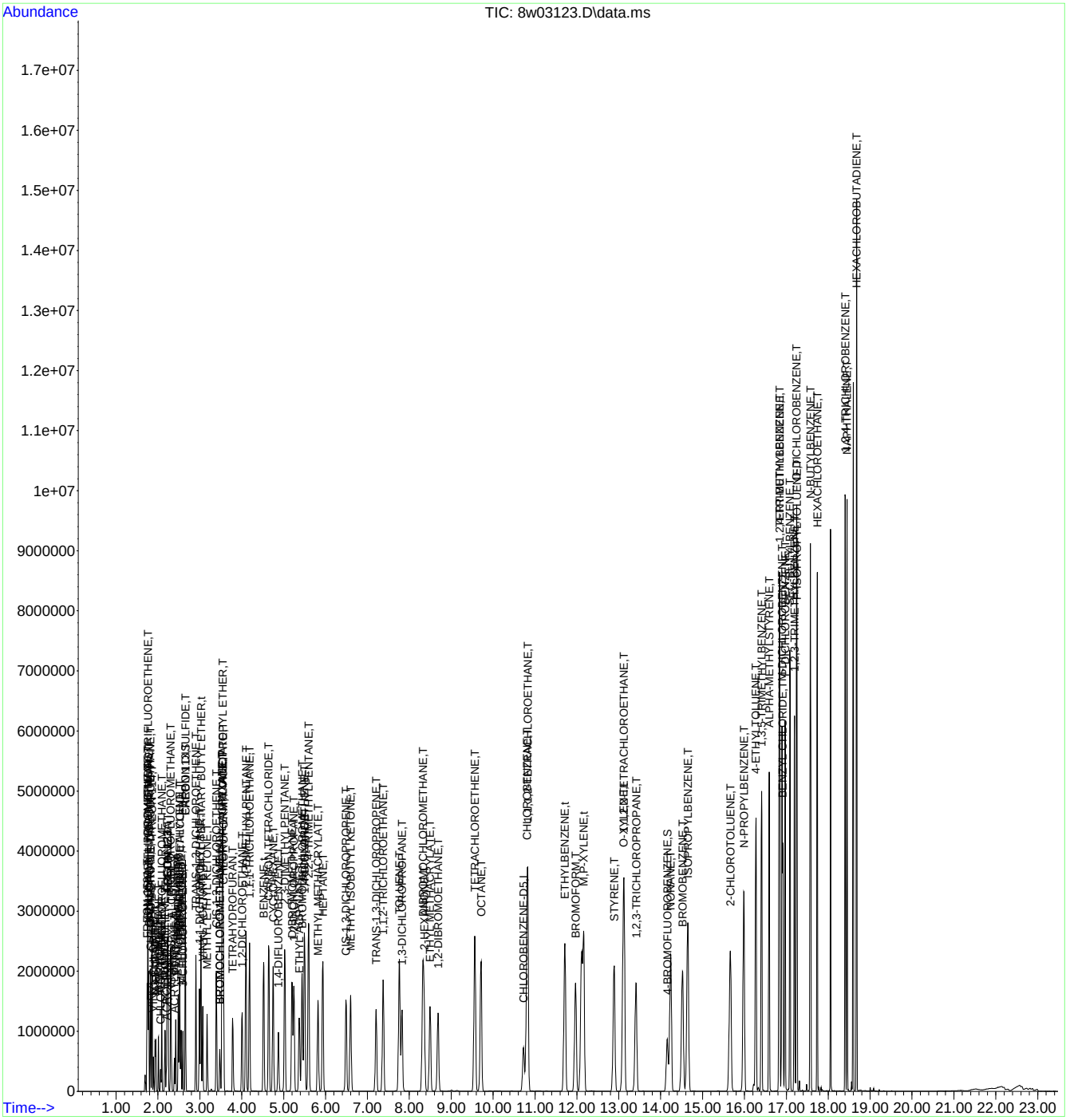
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

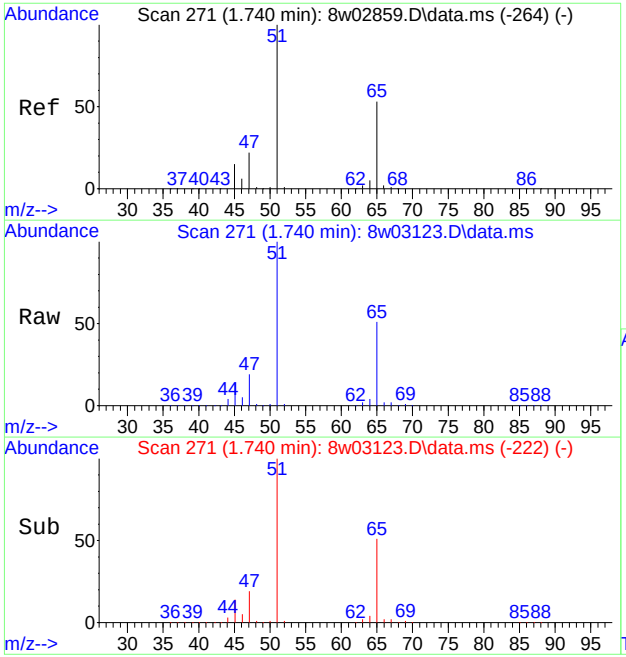
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03123.D
Acq On : 20 Dec 2023 02:37 am
Operator : taylors
Sample : ic0124-50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 21 07:55:19 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration

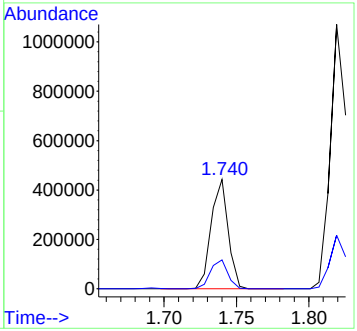


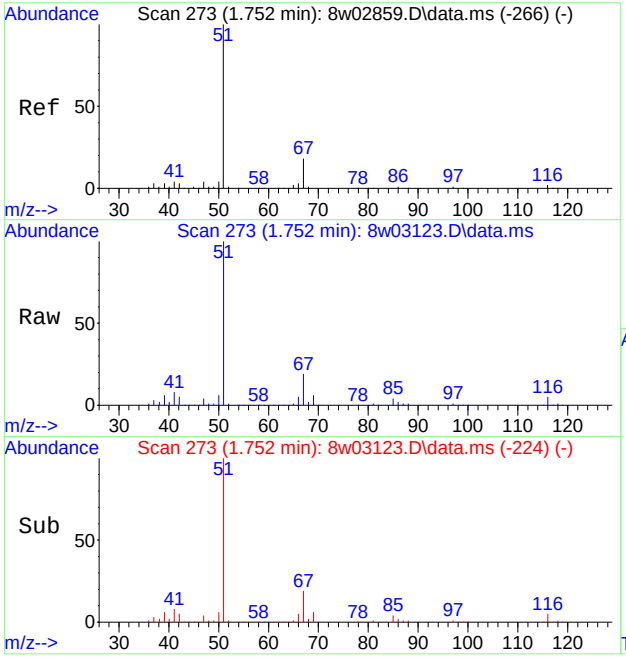


#3
FREON 152A
Concen: 39.10 PPBV
RT: 1.740 min Scan# 271
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 65 Resp: 363219

Ion	Ratio	Lower	Upper
65	100		
45	27.1	21.5	32.3

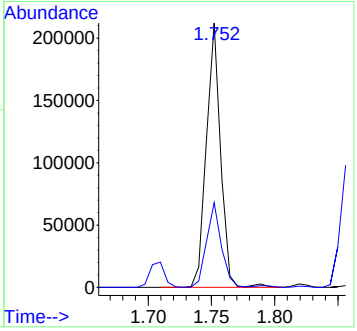


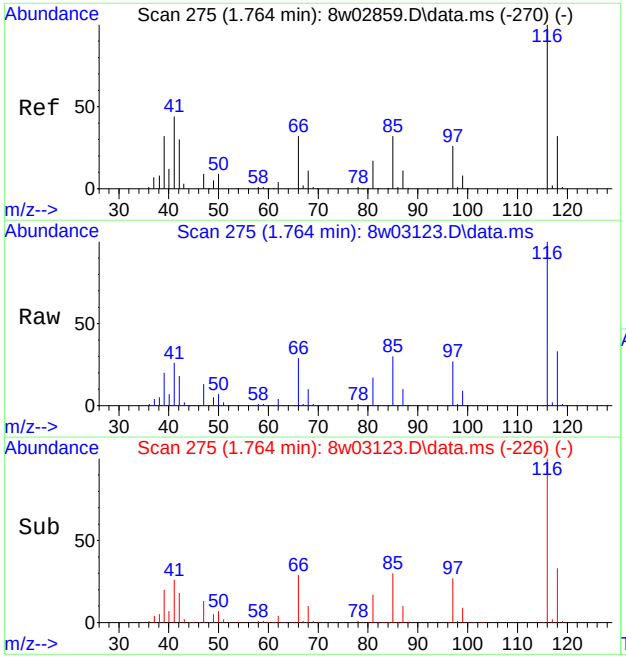


#4
CHLORODIFLUOROMETHANE
Concen: 40.70 PPBV
RT: 1.752 min Scan# 273
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 67 Resp: 165421

Ion	Ratio	Lower	Upper
67	100		
69	34.1	27.3	40.9

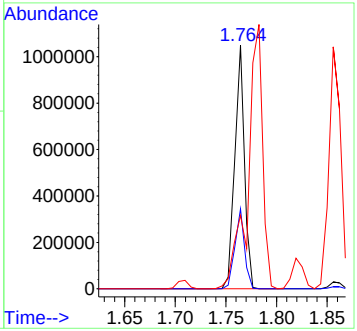


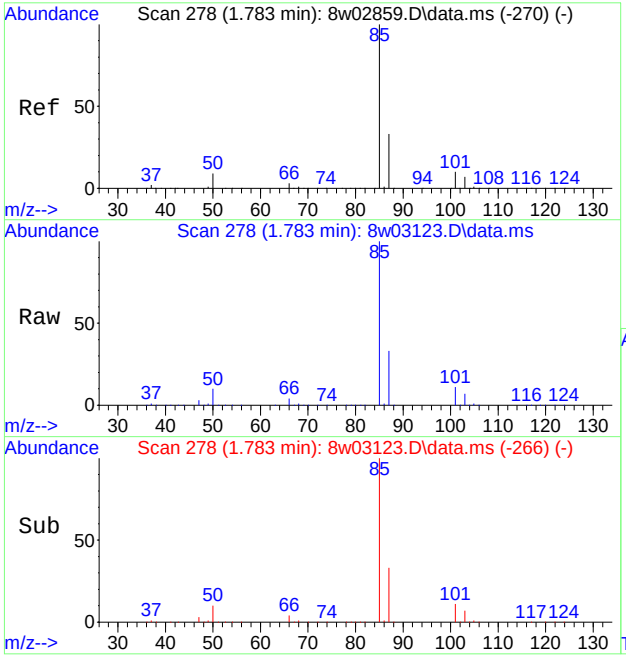


#5
CHLOROTRIFLUOROETHENE
Concen: 36.49 PPBV
RT: 1.764 min Scan# 275
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:116 Resp: 699924

Ion	Ratio	Lower	Upper
116	100		
118	32.6	26.1	39.1
85	164.8	137.4	206.2

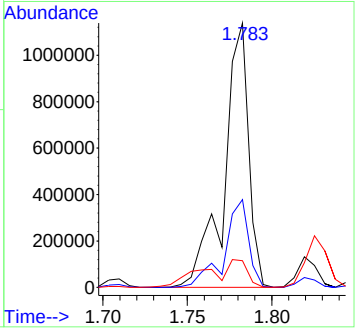


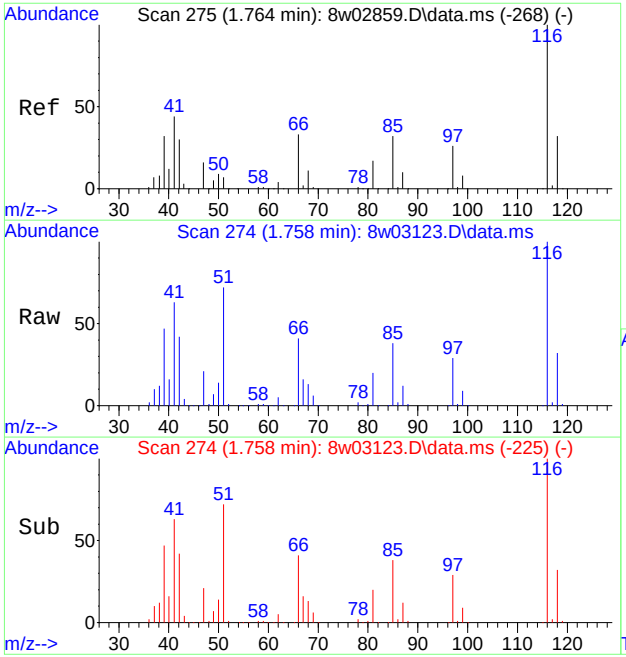


#6
DICHLORODIFLUOROMETHANE
Concen: 35.00 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 85 Resp: 1153350

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.3	39.5
50	17.5	13.8	20.6

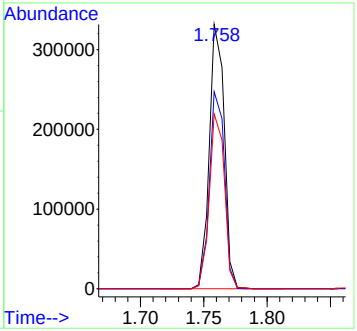


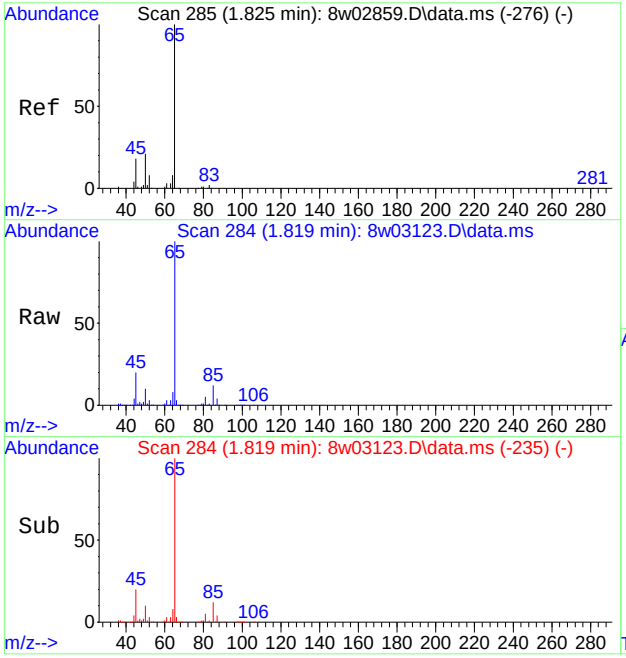


#7
PROPYLENE
Concen: 30.37 PPBV
RT: 1.758 min Scan# 274
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 41 Resp: 272023

Ion	Ratio	Lower	Upper
41	100		
39	74.9	55.8	83.6
42	66.7	53.8	80.6

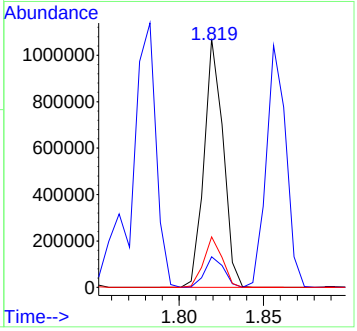


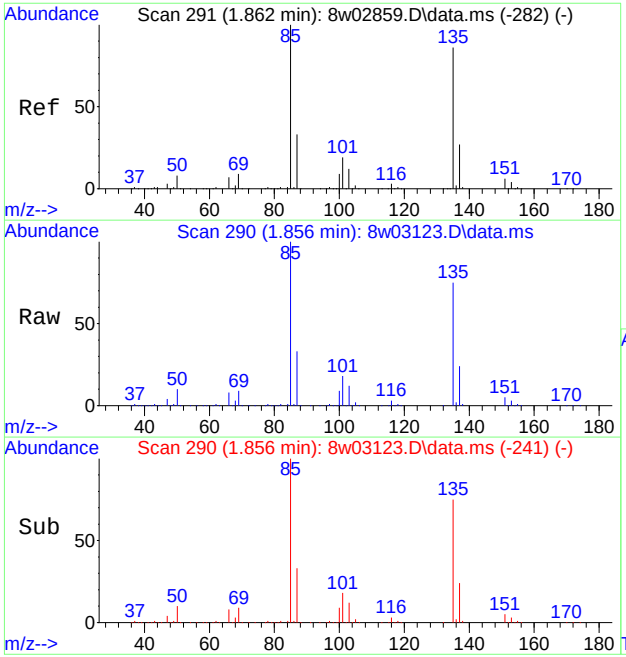


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 38.62 PPBV
RT: 1.819 min Scan# 284
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 65 Resp: 840860

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	20.0	15.9	23.9

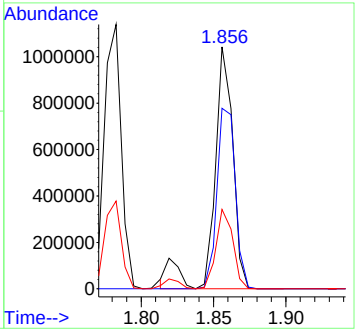


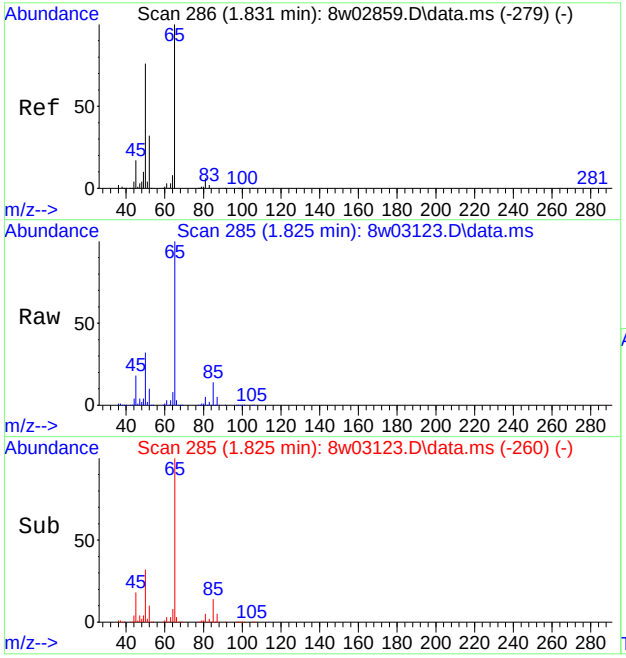


#9
FREON 114
Concen: 37.92 PPBV
RT: 1.856 min Scan# 290
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 85 Resp: 939264

Ion	Ratio	Lower	Upper
85	100		
135	73.4	54.9	82.3
87	32.8	25.8	38.8

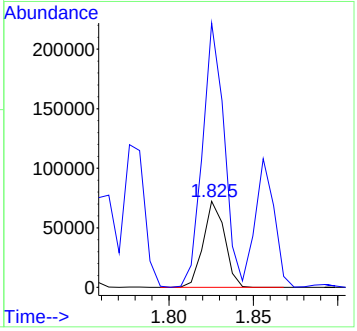


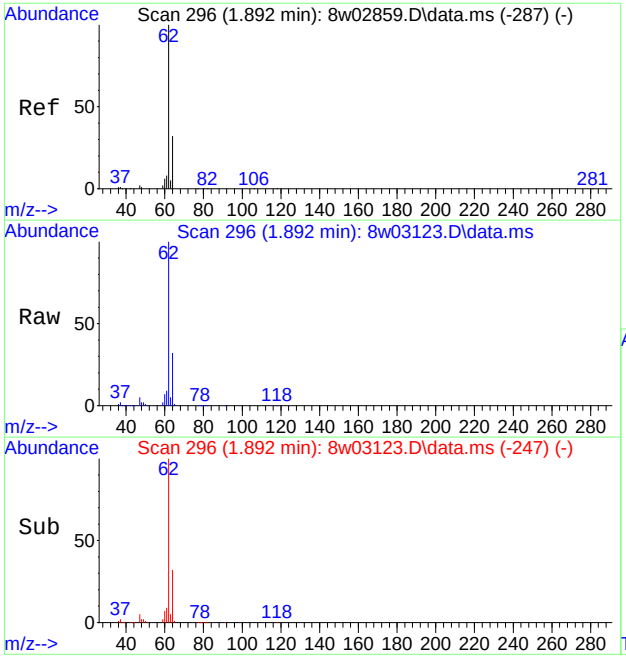


#10
CHLOROMETHANE
Concen: 37.82 PPBV
RT: 1.825 min Scan# 285
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 52 Resp: 63897

Ion	Ratio	Lower	Upper
52	100		
50	445.3	358.1	537.1

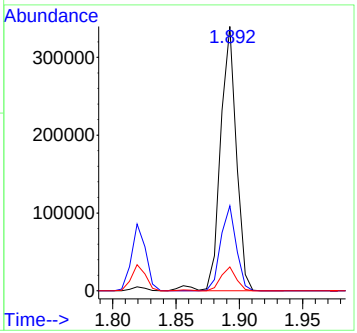


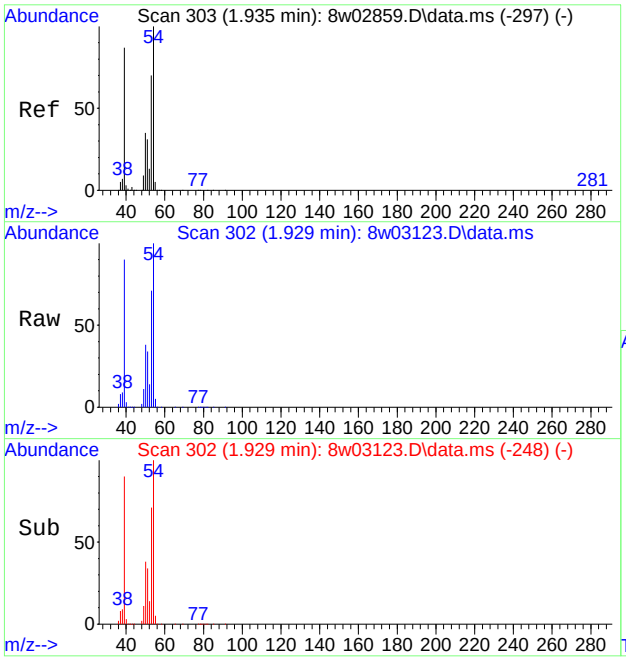


#11
VINYL CHLORIDE
Concen: 39.50 PPBV
RT: 1.892 min Scan# 296
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 62 Resp: 296706

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.9	37.3
61	8.9	7.0	10.4

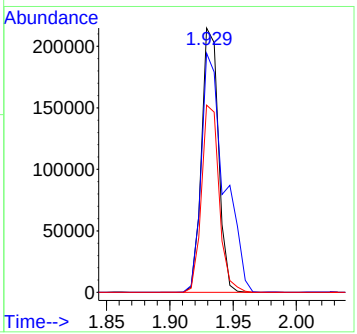


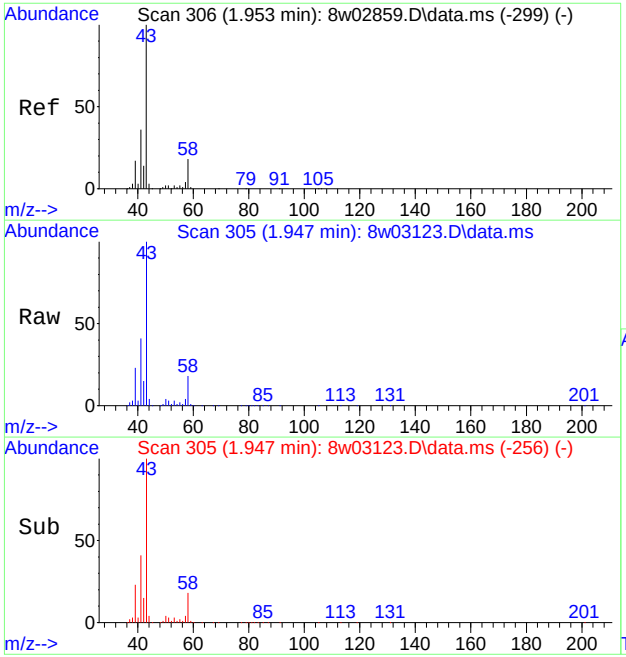


#12
1,3-BUTADIENE
Concen: 38.58 PPBV
RT: 1.929 min Scan# 302
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 54 Resp: 200066

Ion	Ratio	Lower	Upper
54	100		
39	123.1	101.6	141.6
53	73.9	51.8	91.8

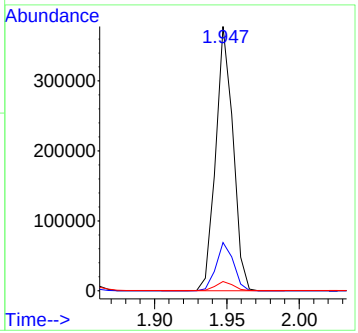


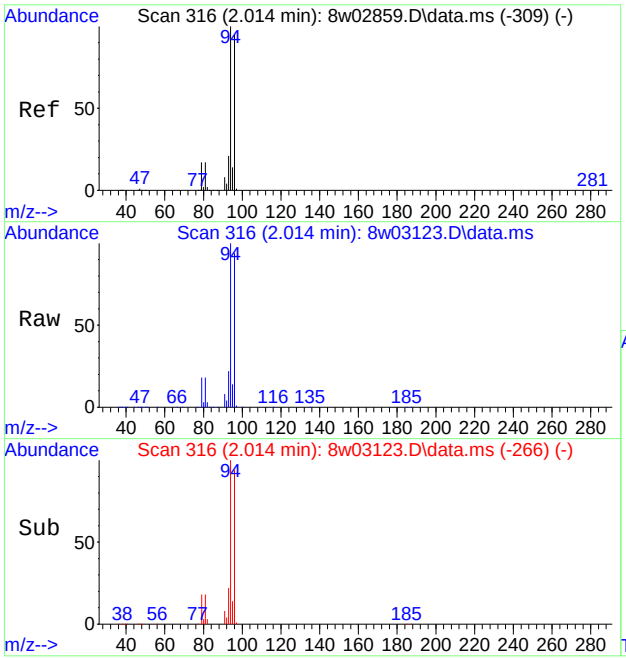


#13
N-BUTANE
Concen: 37.50 PPBV
RT: 1.947 min Scan# 305
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 43 Resp: 316088

Ion	Ratio	Lower	Upper
43	100		
58	18.4	14.2	21.4
44	3.7	2.9	4.3

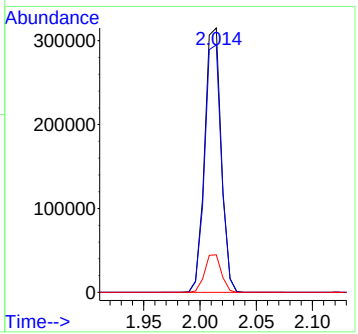


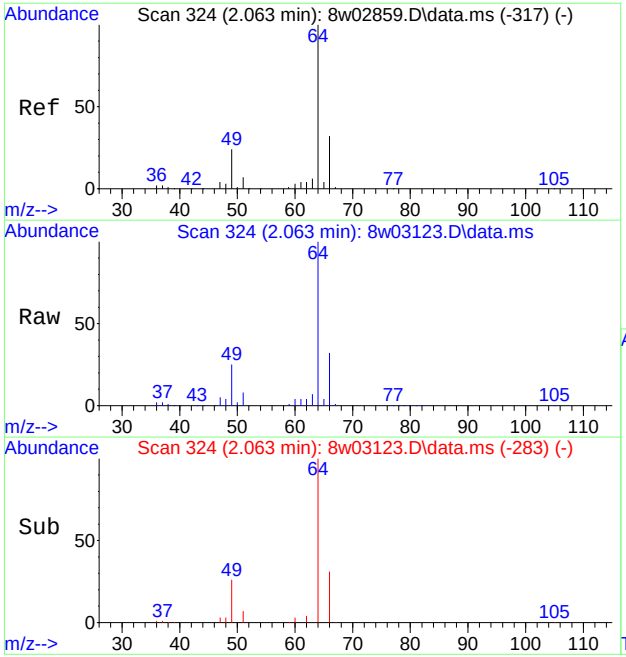


#14
BROMOMETHANE
Concen: 41.41 PPBV
RT: 2.014 min Scan# 316
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 94 Resp: 323588

Ion	Ratio	Lower	Upper
94	100		
96	94.2	76.0	114.0
95	14.4	11.5	17.3

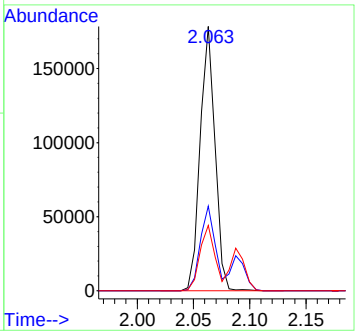


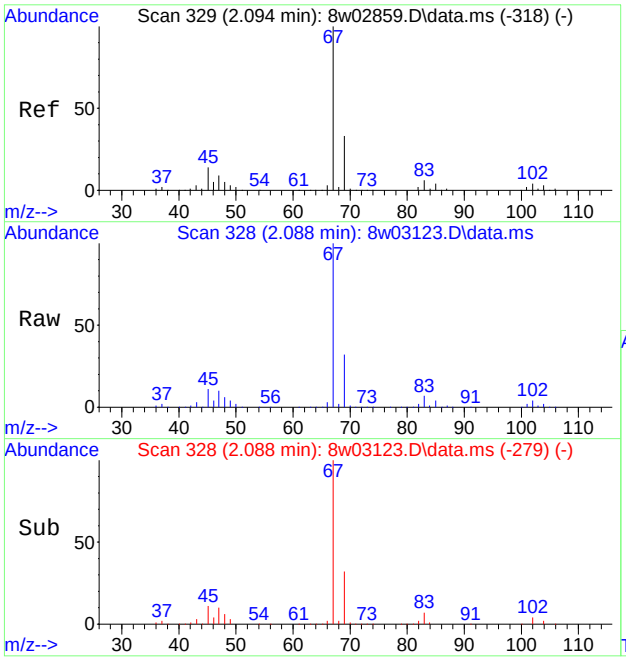


#15
CHLOROETHANE
Concen: 39.97 PPBV
RT: 2.063 min Scan# 324
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 64 Resp: 163781

Ion	Ratio	Lower	Upper
64	100		
66	45.5	36.3	54.5
49	40.9	33.8	50.8

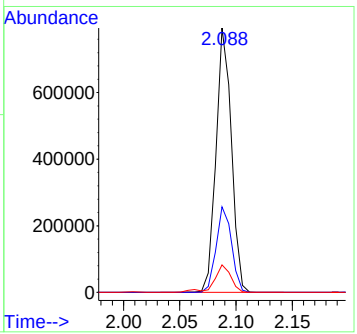


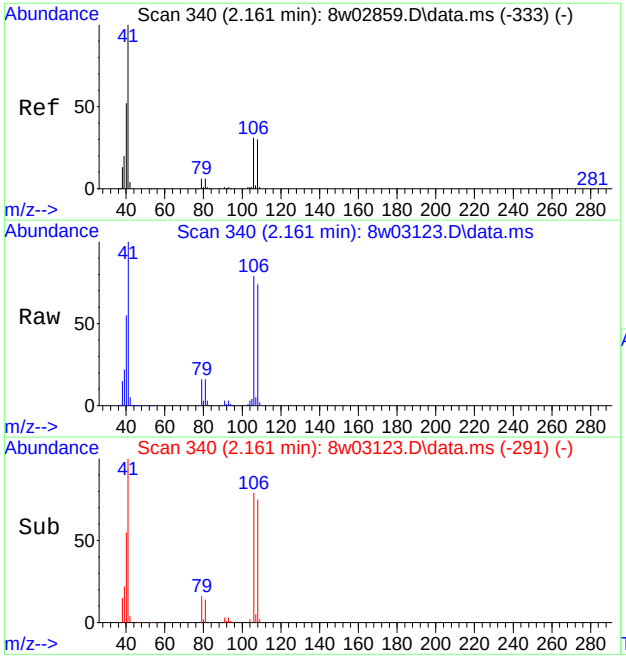


#16
DICHLOROFLUOROMETHANE
Concen: 38.20 PPBV
RT: 2.088 min Scan# 328
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 67 Resp: 759538

Ion	Ratio	Lower	Upper
67	100		
69	32.5	25.7	38.5
47	11.2	8.7	13.1

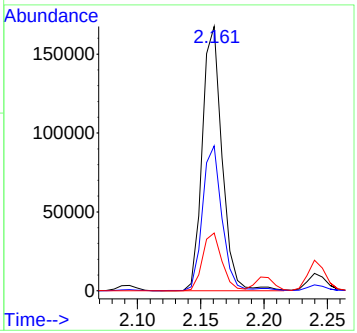


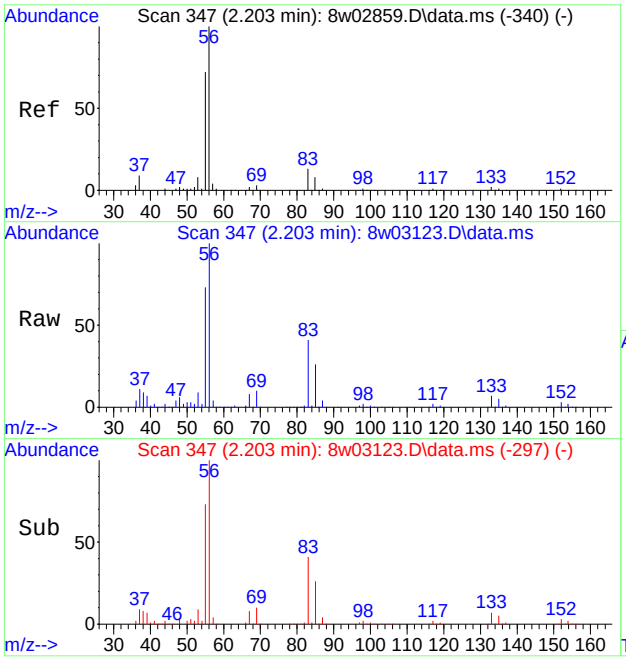


#17
ACETONITRILE
Concen: 38.06 PPBV
RT: 2.161 min Scan# 340
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 41 Resp: 181568

Ion	Ratio	Lower	Upper
41	100		
40	54.5	43.3	64.9
39	22.5	17.8	26.6

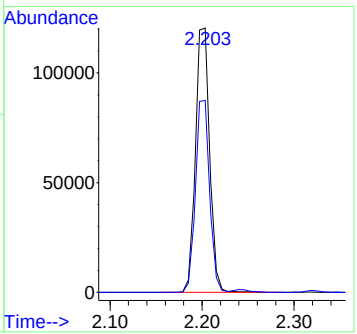


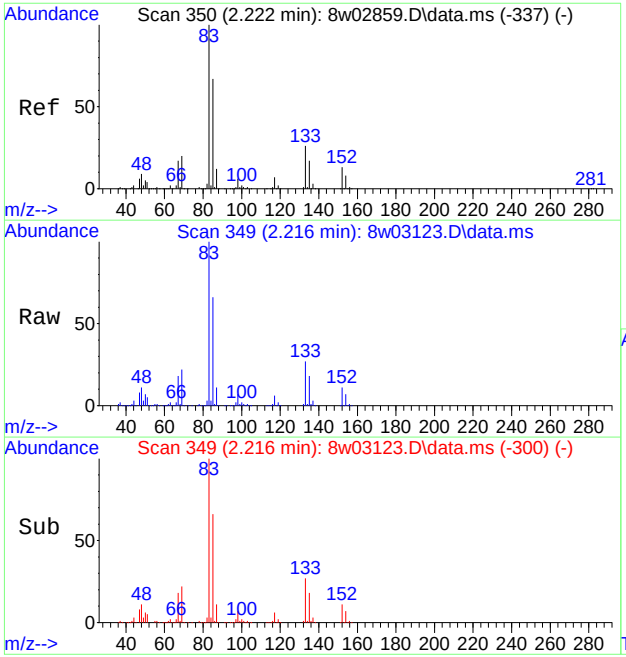


#18
ACROLEIN
Concen: 38.66 PPBV
RT: 2.203 min Scan# 347
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 56 Resp: 129678

Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.2	85.8

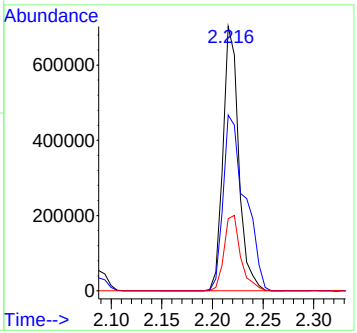


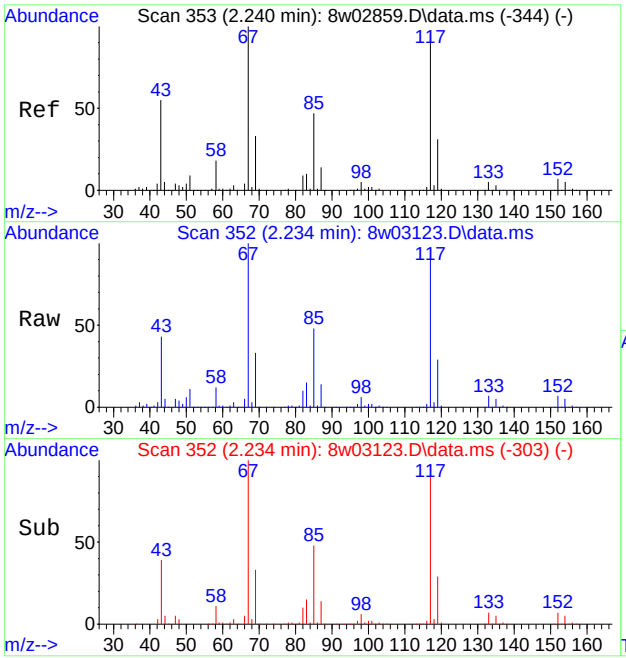


#19
FREON 123
Concen: 38.25 PPBV
RT: 2.216 min Scan# 349
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 83 Resp: 757839

Ion	Ratio	Lower	Upper
83	100		
85	92.8	73.7	110.5
133	30.2	22.6	34.0

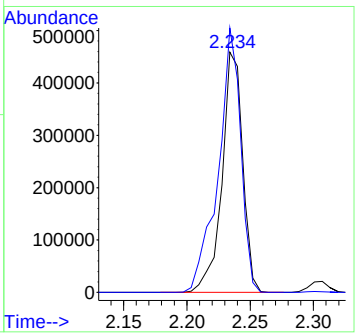


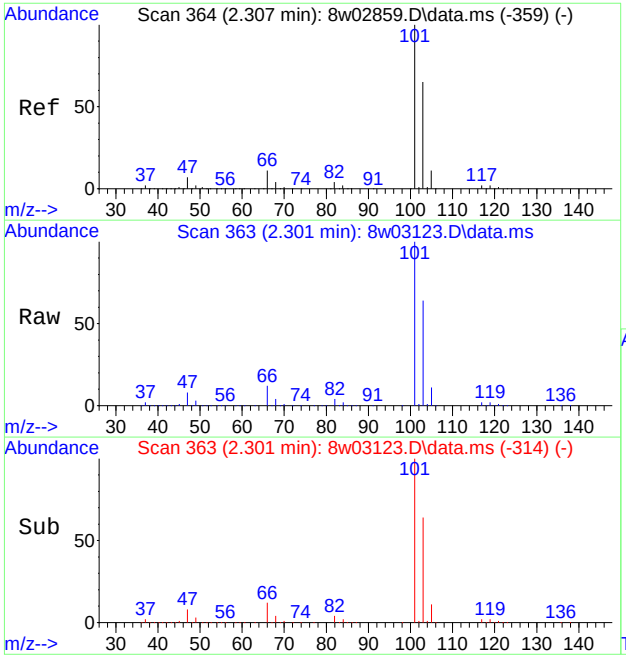


#20
FREON 123A
Concen: 40.23 PPBV
RT: 2.234 min Scan# 352
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:117 Resp: 519751

Ion	Ratio	Lower	Upper
117	100		
67	120.0	103.7	155.5

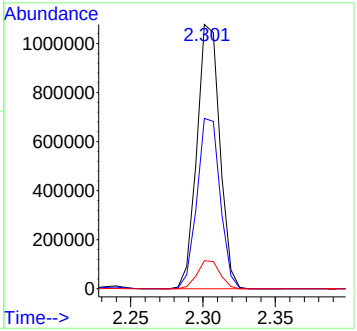


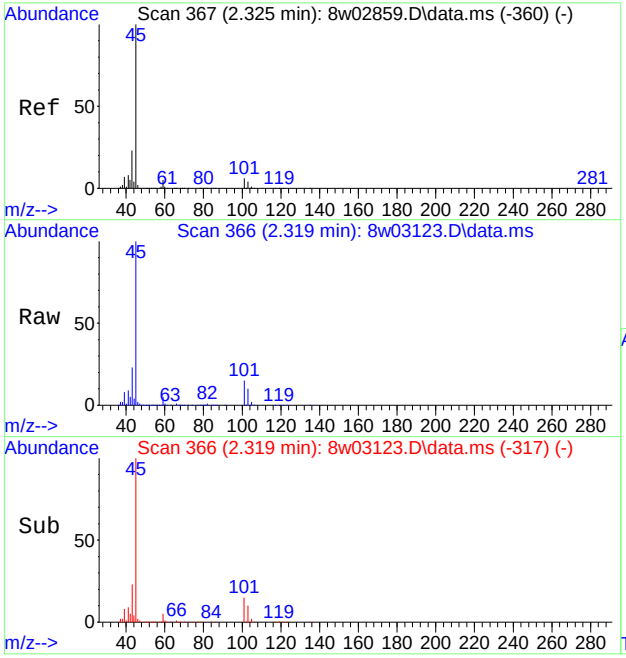


#21
TRICHLOROFLUOROMETHANE
Concen: 39.36 PPBV
RT: 2.301 min Scan# 363
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:101 Resp: 1190949

Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.0	78.0
105	10.6	8.3	12.5

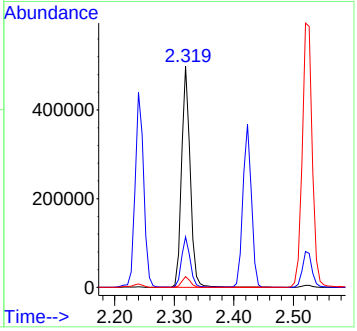


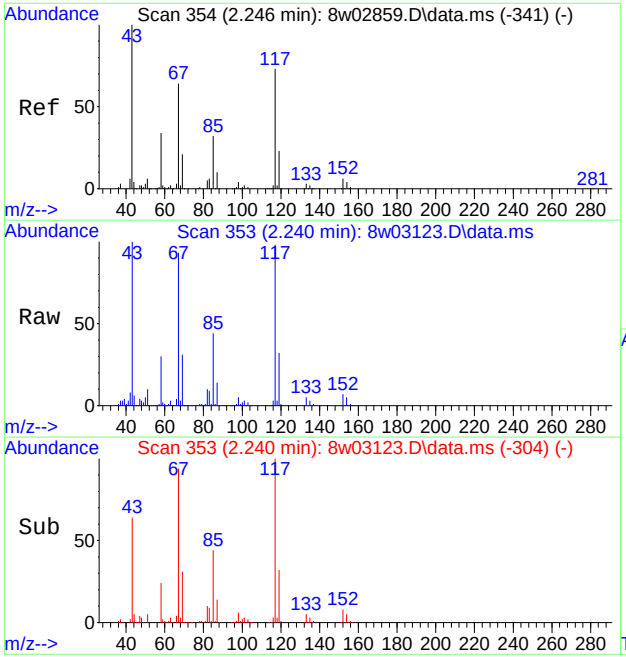


#22
ISOPROPYL ALCOHOL
Concen: 38.34 PPBV
RT: 2.319 min Scan# 366
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 45 Resp: 509157

Ion	Ratio	Lower	Upper
45	100		
43	23.0	18.8	28.2
59	4.9	3.8	5.6

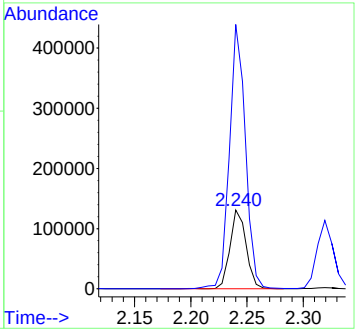


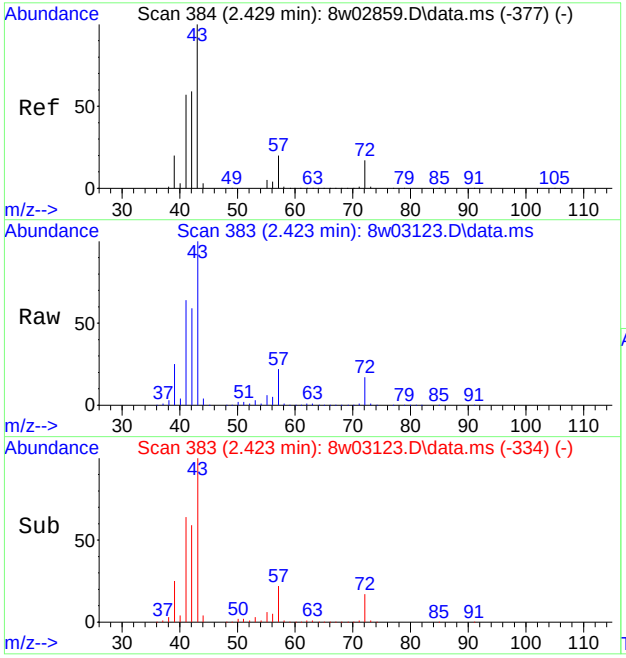


#23
ACETONE
Concen: 37.18 PPBV
RT: 2.240 min Scan# 353
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 58 Resp: 131846

Ion	Ratio	Lower	Upper
58	100		
43	330.9	261.4	392.2

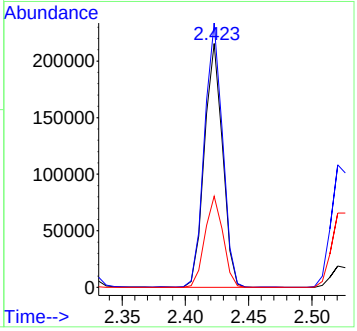


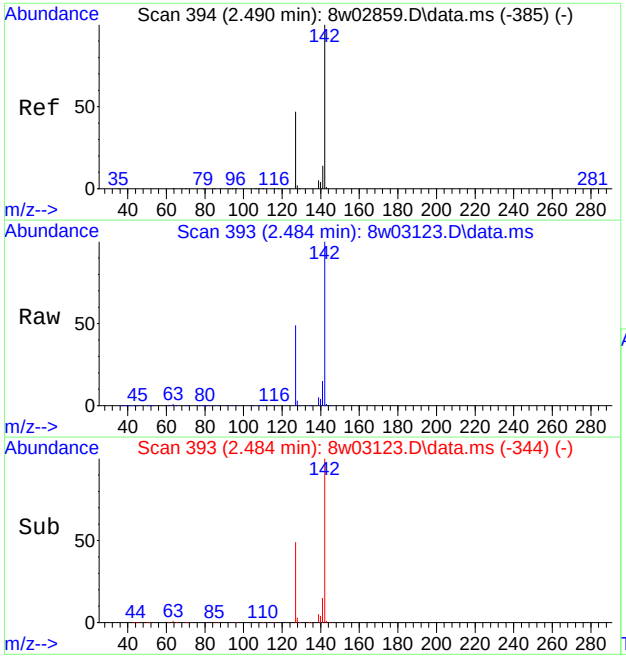


#24
PENTANE
Concen: 37.74 PPBV
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 42 Resp: 214690

Ion	Ratio	Lower	Upper
42	100		
41	108.0	84.2	126.4
57	37.2	28.9	43.3

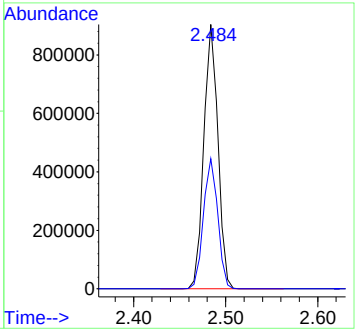


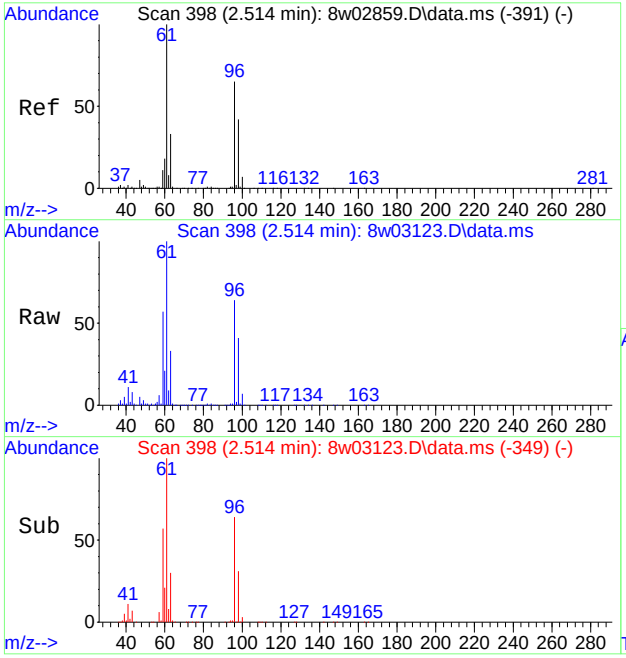


#25
IODOMETHANE
Concen: 41.95 PPBV
RT: 2.484 min Scan# 393
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:142 Resp: 963570

Ion	Ratio	Lower	Upper
142	100		
127	49.9	41.2	61.8

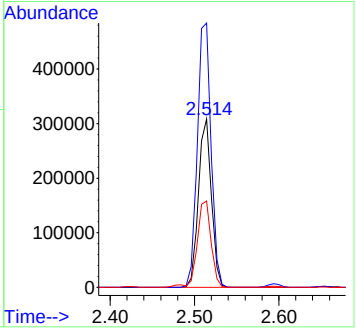


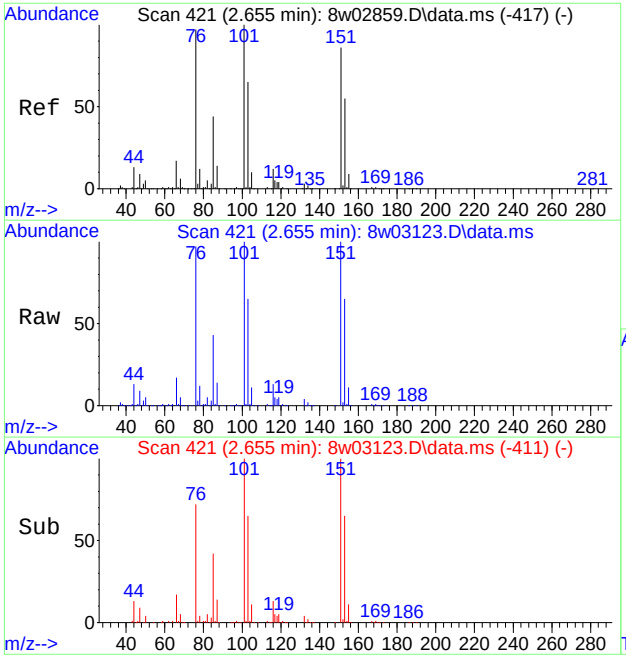


#26
1,1-DICHLOROETHYLENE
Concen: 41.13 PPBV
RT: 2.514 min Scan# 398
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 96 Resp: 329321

Ion	Ratio	Lower	Upper
96	100		
61	165.9	141.9	212.9
63	54.9	47.2	70.8

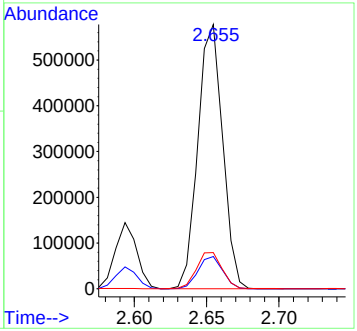


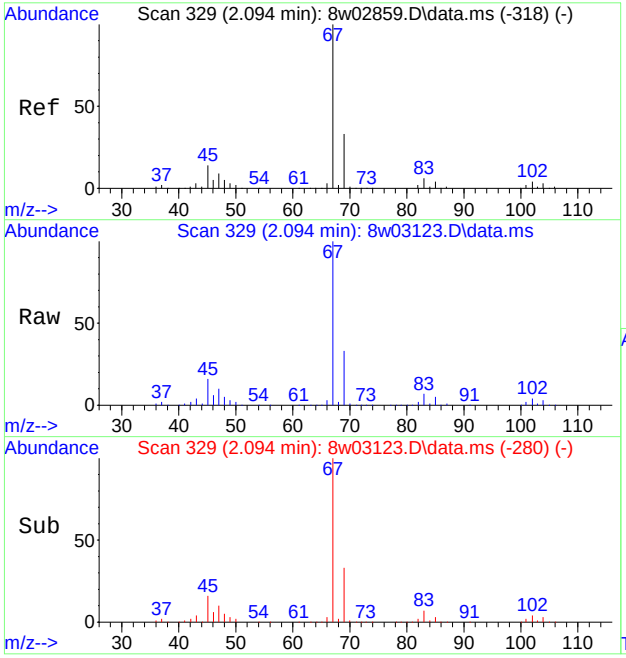


#27
CARBON DISULFIDE
Concen: 39.80 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 76 Resp: 687919

Ion	Ratio	Lower	Upper
76	100		
78	12.2	0.0	0.0#
44	14.2	0.0	0.0#

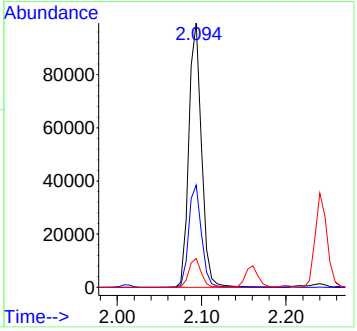


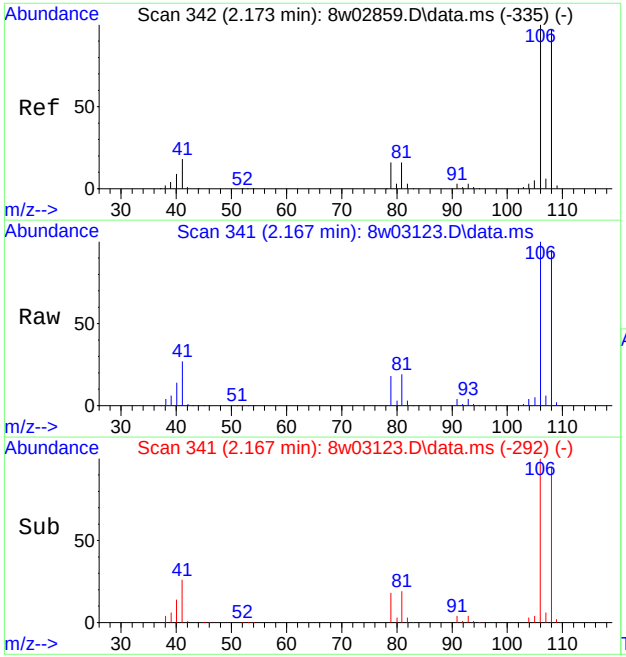


#28
ETHANOL
Concen: 36.40 PPBV
RT: 2.094 min Scan# 329
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 45 Resp: 104496

Ion	Ratio	Lower	Upper
45	100		
46	39.4	30.1	45.1
42	10.8	8.3	12.5

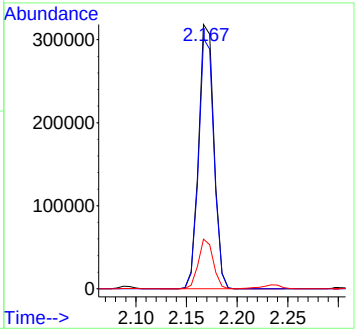


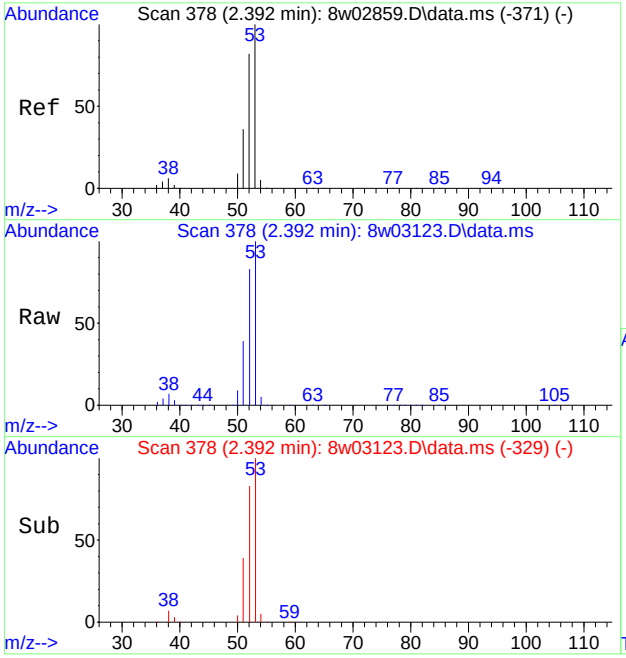


#29
BROMOETHENE
Concen: 41.05 PPBV
RT: 2.167 min Scan# 341
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:106 Resp: 336971

Ion	Ratio	Lower	Upper
106	100		
108	94.4	74.6	111.8
81	18.1	14.5	21.7

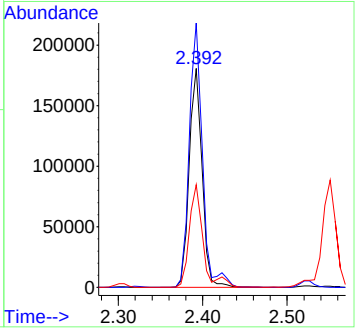


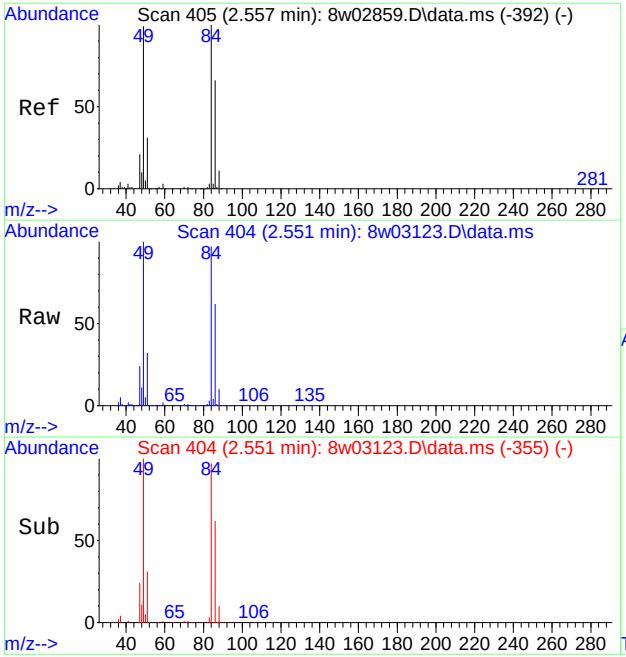


#30
ACRYLONITRILE
Concen: 40.41 PPBV
RT: 2.392 min Scan# 378
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 52 Resp: 191784

Ion	Ratio	Lower	Upper
52	100		
53	123.6	99.6	149.4
51	49.8	40.1	60.1

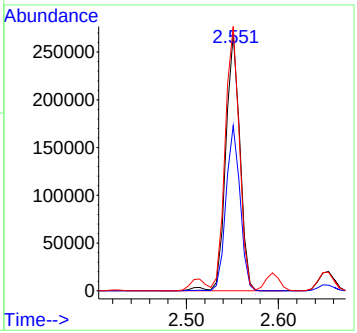


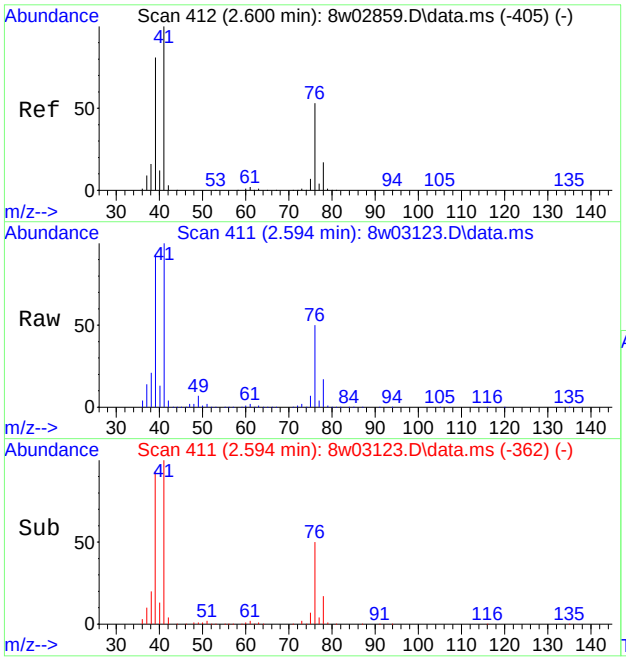


#31
METHYLENE CHLORIDE
Concen: 41.31 PPBV
RT: 2.551 min Scan# 404
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 84 Resp: 287075

Ion	Ratio	Lower	Upper
84	100		
86	64.1	51.0	76.4
49	109.1	92.1	138.1

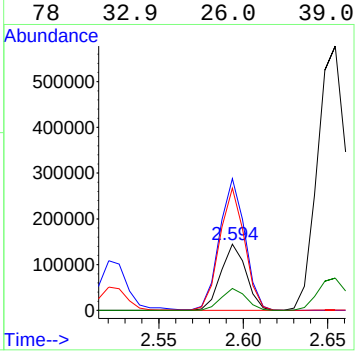


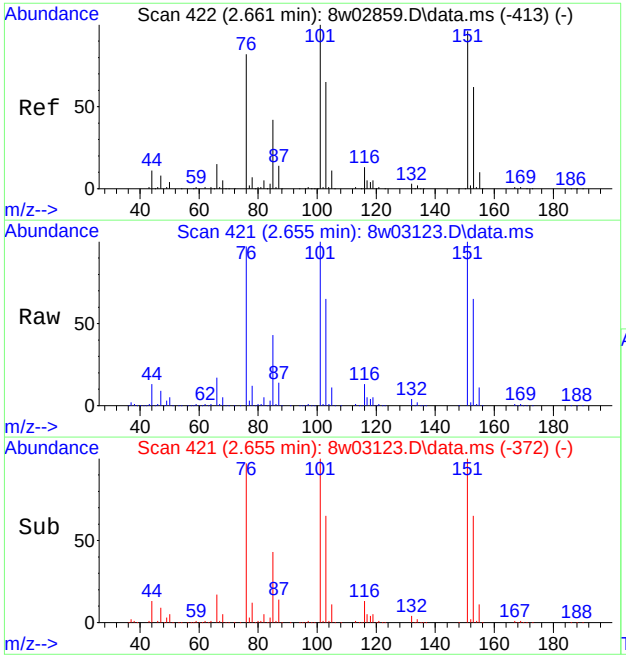


#32
3-CHLOROPROPENE
Concen: 42.86 PPBV
RT: 2.594 min Scan# 411
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 76 Resp: 150953

Ion	Ratio	Lower	Upper
76	100		
41	200.6	170.6	256.0
39	183.0	151.0	226.4
78	32.9	26.0	39.0

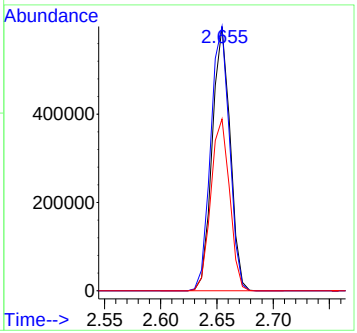


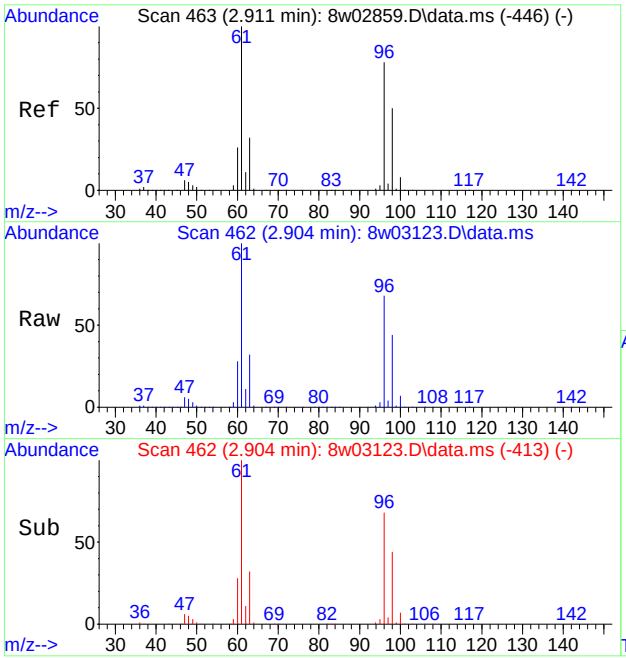


#33
FREON 113
Concen: 41.26 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:151 Resp: 662342

Ion	Ratio	Lower	Upper
151	100		
101	105.0	89.6	134.4
103	68.0	58.4	87.6

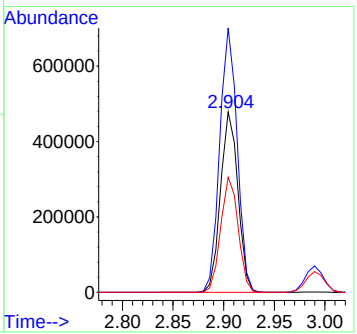


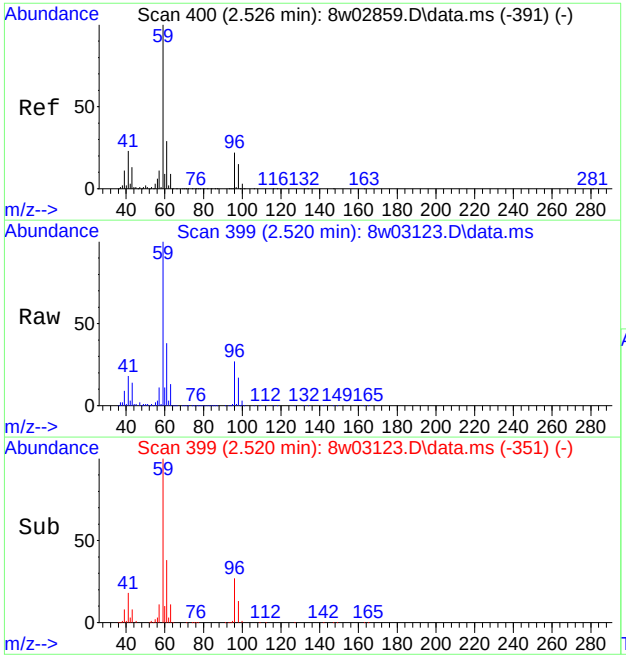


#34
TRANS-1,2-DICHLOROETHENE
Concen: 41.28 PPBV
RT: 2.904 min Scan# 462
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 96 Resp: 573883

Ion	Ratio	Lower	Upper
96	100		
61	146.9	120.8	181.2
98	64.0	51.0	76.4

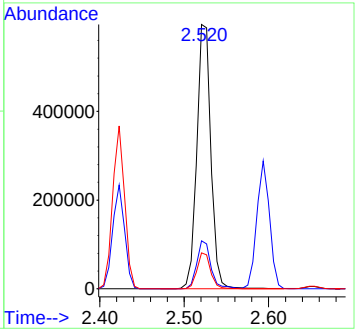


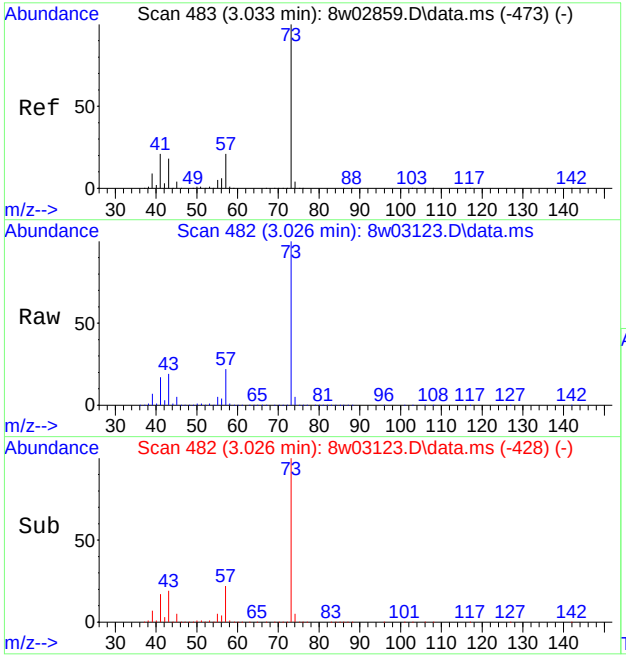


#35
TERTIARY BUTYL ALCOHOL
Concen: 39.65 PPBV
RT: 2.520 min Scan# 399
Delta R.T. -0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 59 Resp: 693317

Ion	Ratio	Lower	Upper
59	100		
41	18.0	16.1	24.1
43	13.1	10.2	15.4

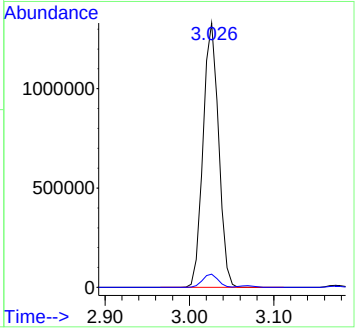


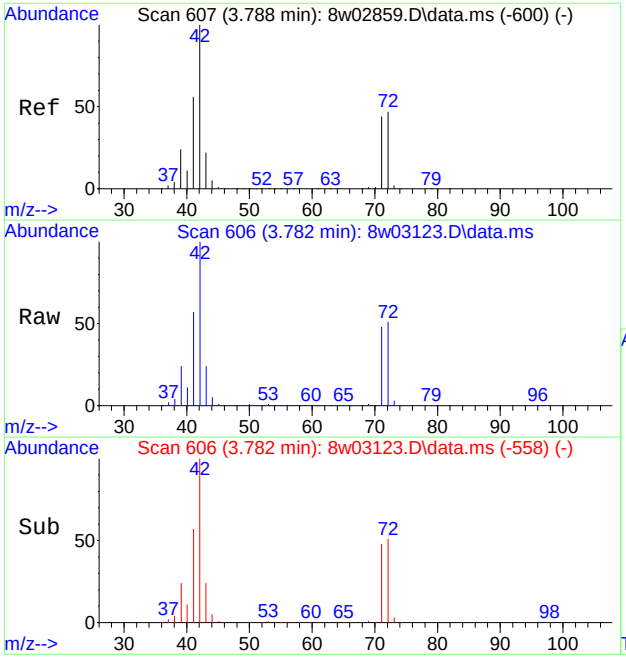


#36
METHYL TERTIARY BUTYL ETHER
Concen: 41.69 PPBV
RT: 3.026 min Scan# 482
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 73 Resp: 1700760

Ion	Ratio	Lower	Upper
73	100		
45	5.7	4.7	7.1

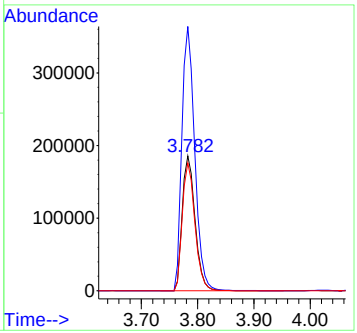


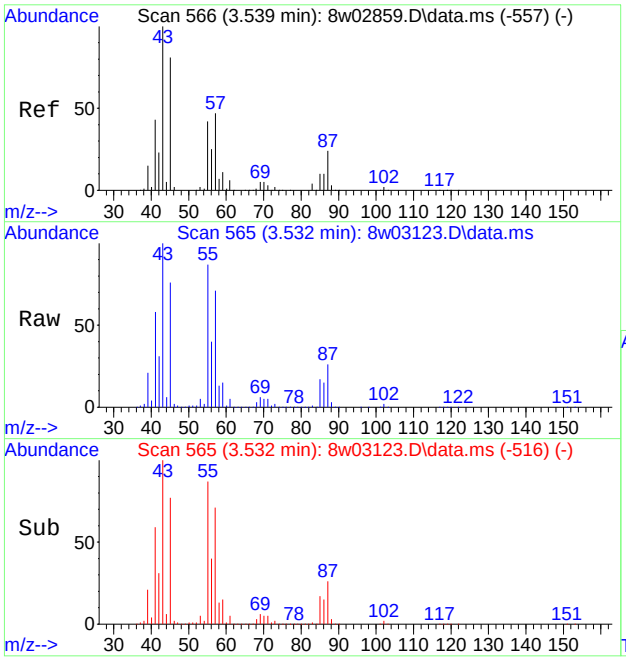


#37
TETRAHYDROFURAN
Concen: 41.14 PPBV
RT: 3.782 min Scan# 606
Delta R.T. -0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 72 Resp: 293898

Ion	Ratio	Lower	Upper
72	100		
42	197.0	170.8	256.2
71	93.5	74.3	111.5

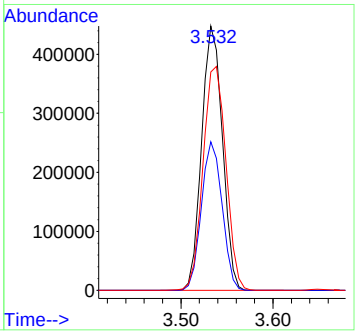


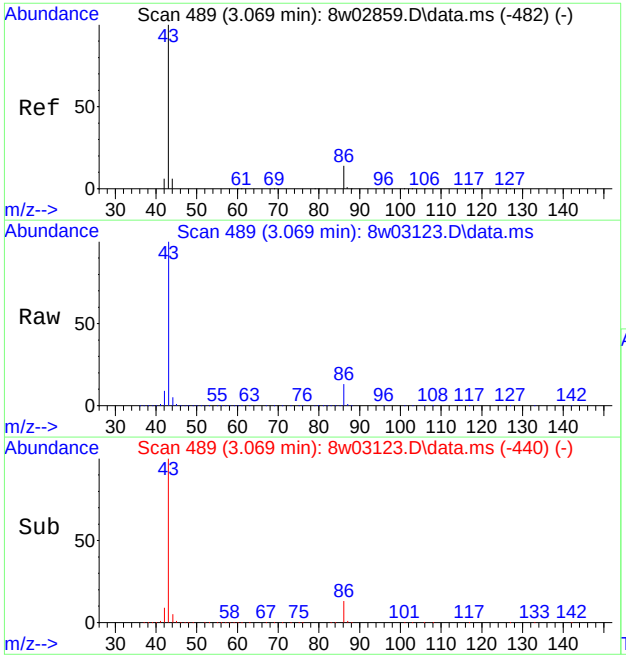


#38
HEXANE
Concen: 30.15 PPBV
RT: 3.532 min Scan# 565
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 57 Resp: 702681

Ion	Ratio	Lower	Upper
57	100		
56	56.1	43.8	65.8
41	93.3	72.2	108.4

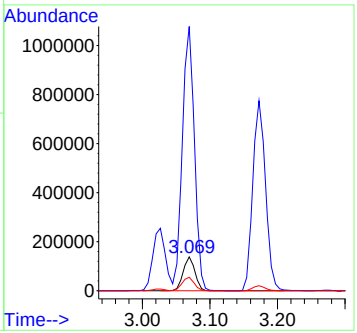


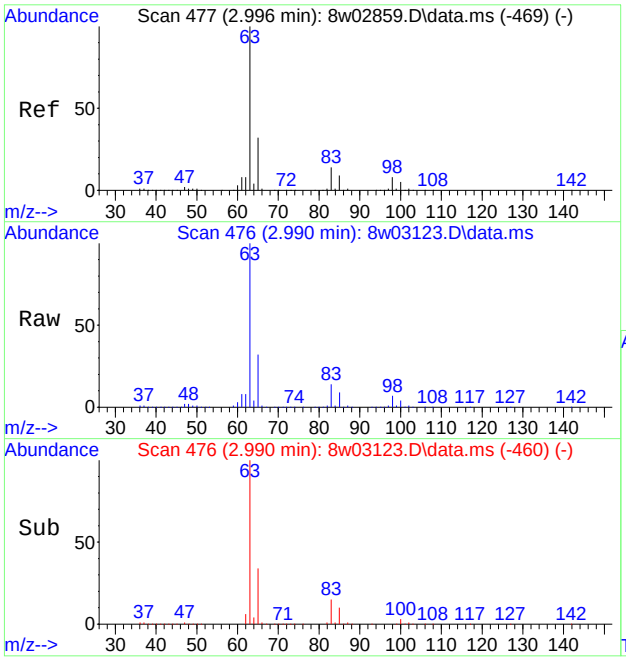


#39
VINYL ACETATE
Concen: 43.18 PPBV
RT: 3.069 min Scan# 489
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 86 Resp: 167697

Ion	Ratio	Lower	Upper
86	100		
43	998.6	860.3	1290.5
44	47.0	44.2	66.2

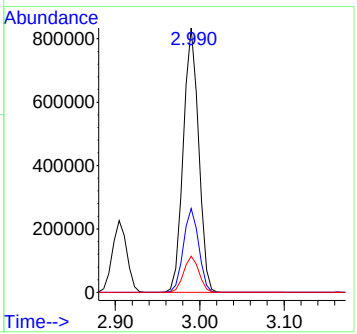


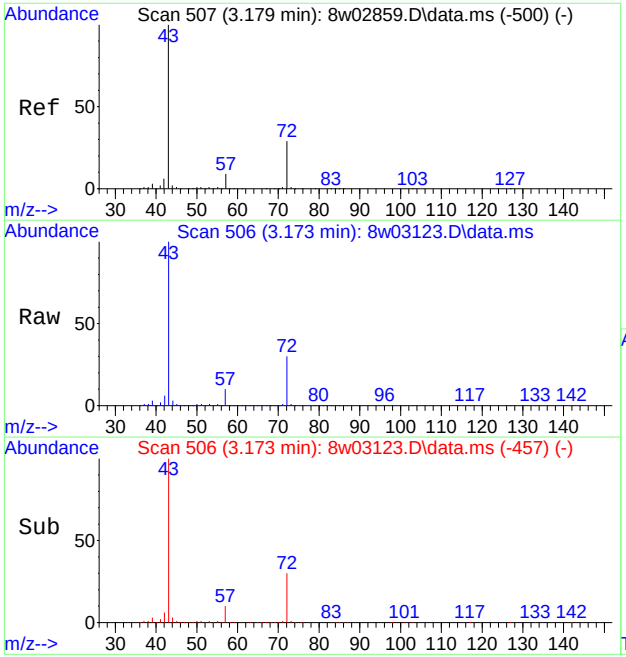


#40
1,1-DICHLOROETHANE
Concen: 40.05 PPBV
RT: 2.990 min Scan# 476
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 63 Resp: 1053217

Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.0	37.4
83	13.7	10.5	15.7

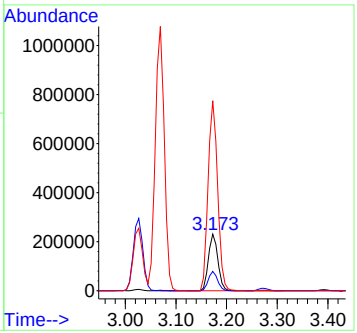


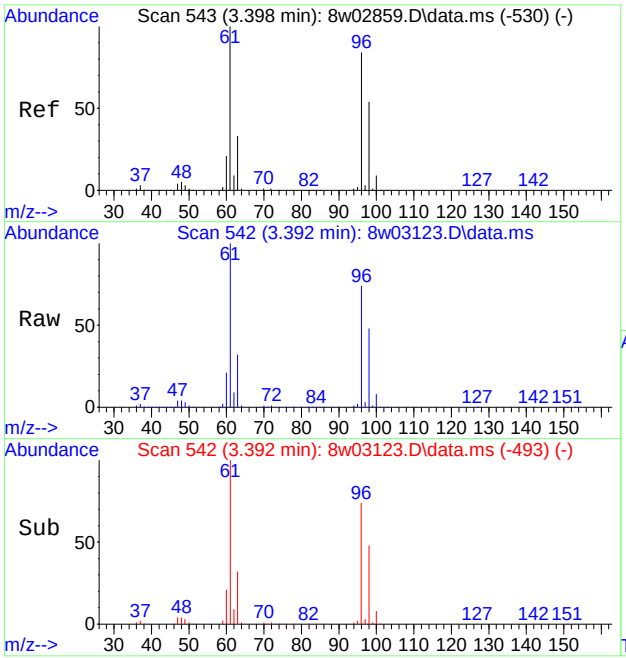


#41
METHYL ETHYL KETONE
Concen: 40.21 PPBV
RT: 3.173 min Scan# 506
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 72 Resp: 300853

Ion	Ratio	Lower	Upper
72	100		
57	33.7	27.8	41.8
43	337.7	292.3	438.5

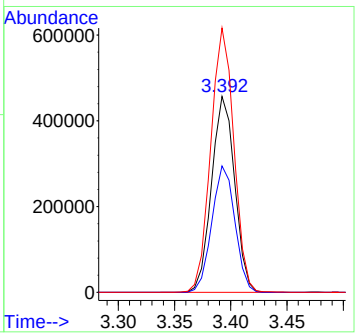


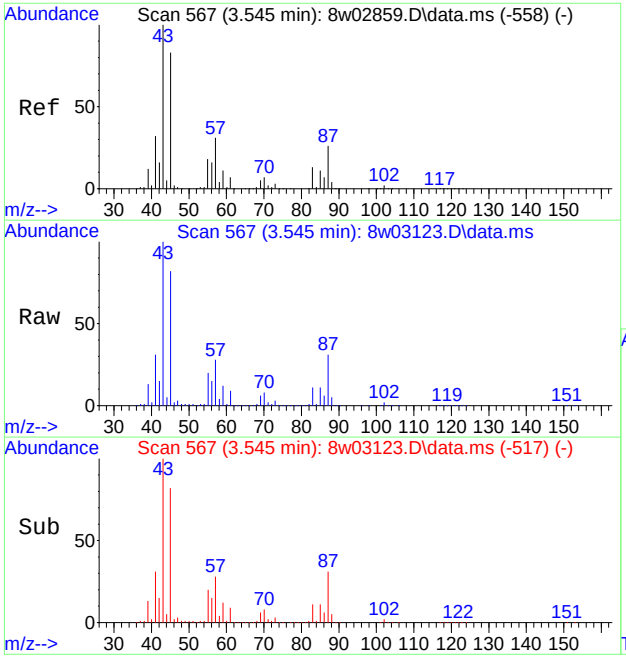


#42
CIS-1,2-DICHLOROETHENE
Concen: 40.06 PPBV
RT: 3.392 min Scan# 542
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 96 Resp: 654850

Ion	Ratio	Lower	Upper
96	100		
98	64.4	50.9	76.3
61	134.9	109.1	163.7

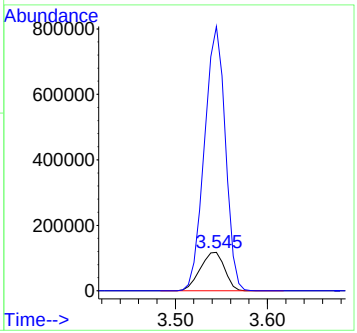


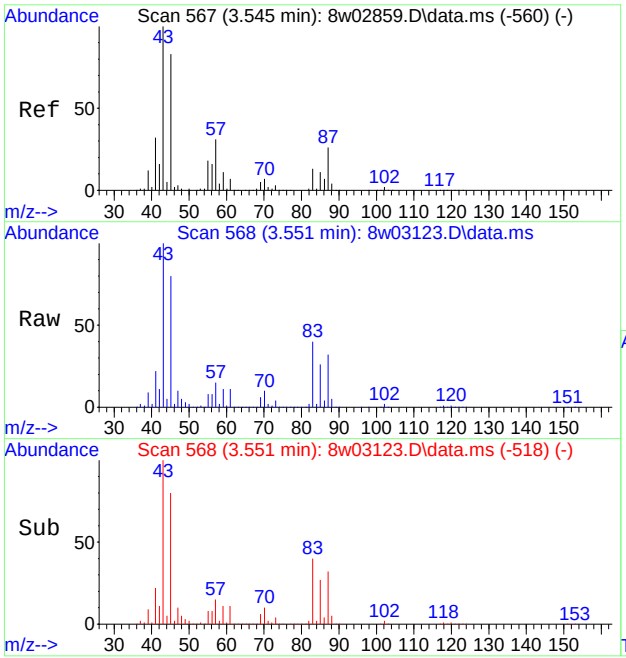


#43
DIISOPROPYL ETHER
Concen: 30.82 PPBV
RT: 3.545 min Scan# 567
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 59 Resp: 216677

Ion	Ratio	Lower	Upper
59	100		
45	589.0	517.9	776.9

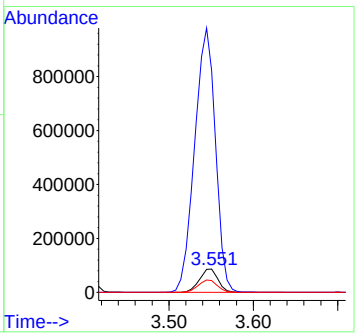


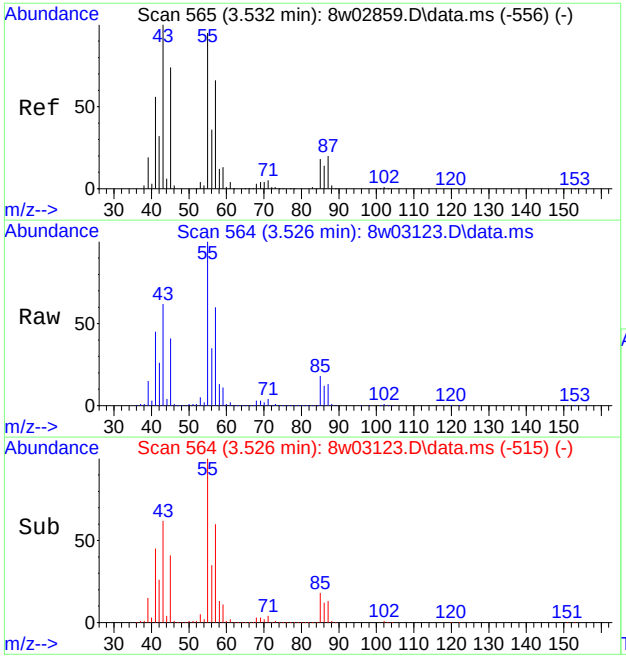


#44
ETHYL ACETATE
Concen: 30.23 PPBV
RT: 3.551 min Scan# 568
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 61 Resp: 133675

Ion	Ratio	Lower	Upper
61	100		
43	1256.6	1039.8	1559.8
88	54.1	37.8	56.8

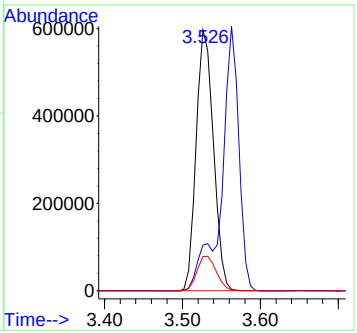


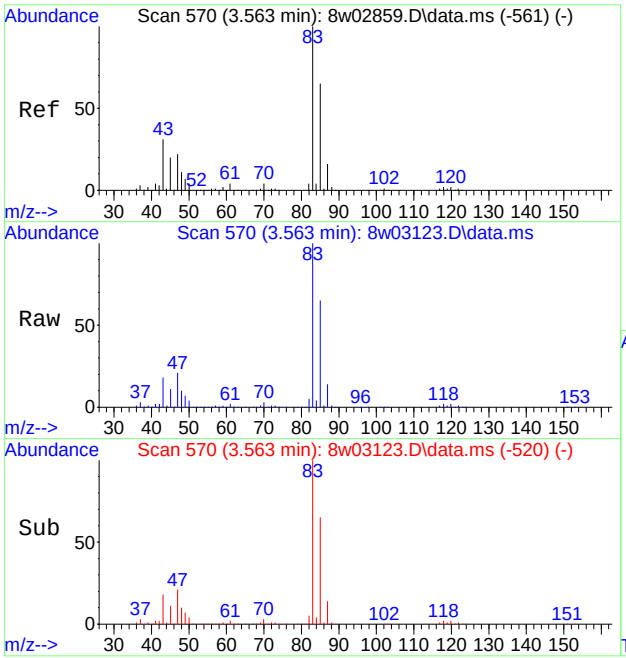


#45
METHYL ACRYLATE
Concen: 32.12 PPBV
RT: 3.526 min Scan# 564
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 55 Resp: 917992

Ion	Ratio	Lower	Upper
55	100		
85	0.0	0.0	0.0
58	14.8	11.5	17.3

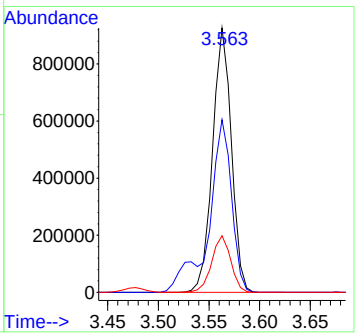


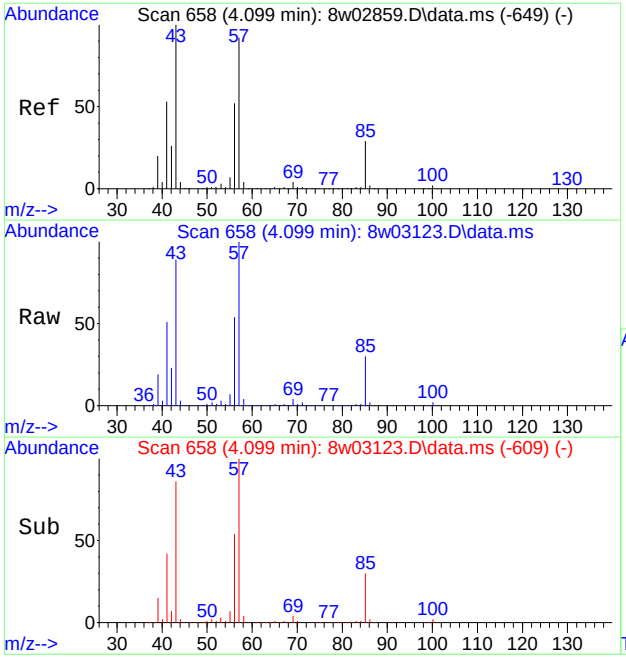


#46
CHLOROFORM
Concen: 38.68 PPBV
RT: 3.563 min Scan# 570
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 83 Resp: 1200707

Ion	Ratio	Lower	Upper
83	100		
85	78.6	63.4	95.2
47	21.7	18.5	27.7

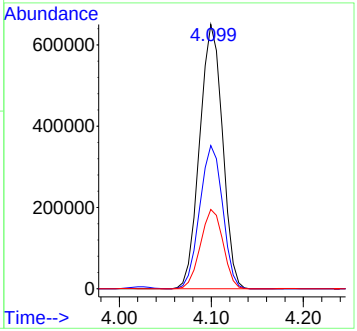


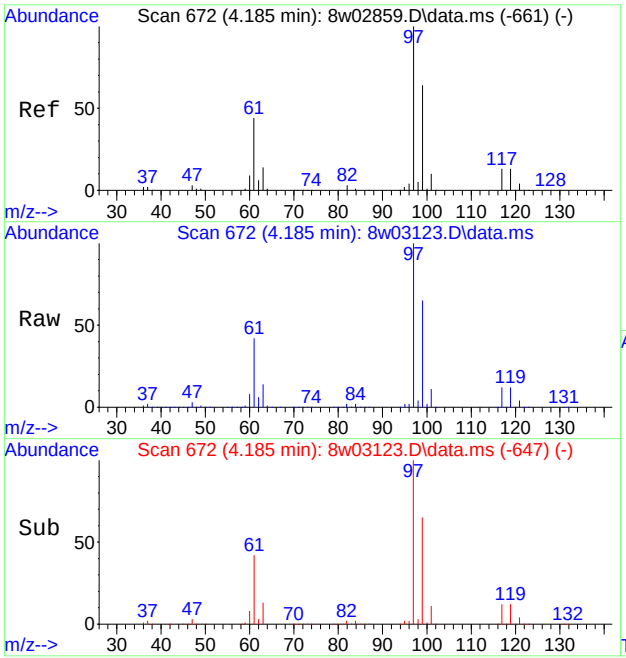


#47
2,4-DIMETHYLPENTANE
Concen: 37.28 PPBV
RT: 4.099 min Scan# 658
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 57 Resp: 1123255

Ion	Ratio	Lower	Upper
57	100		
56	54.4	44.2	66.4
85	29.8	22.3	33.5

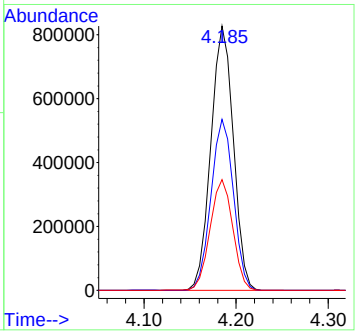


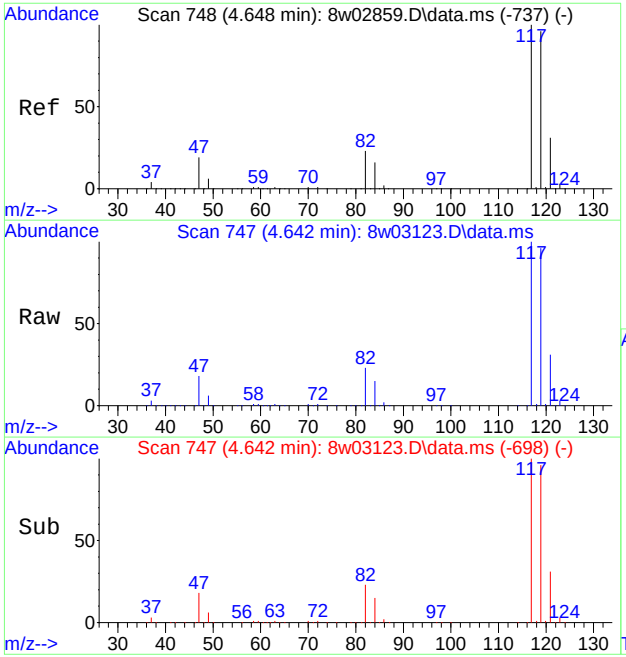


#48
1,1,1-TRICHLOROETHANE
Concen: 43.39 PPBV
RT: 4.185 min Scan# 672
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 97 Resp: 1407056

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	42.4	35.8	53.6

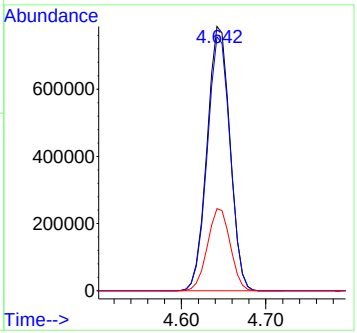


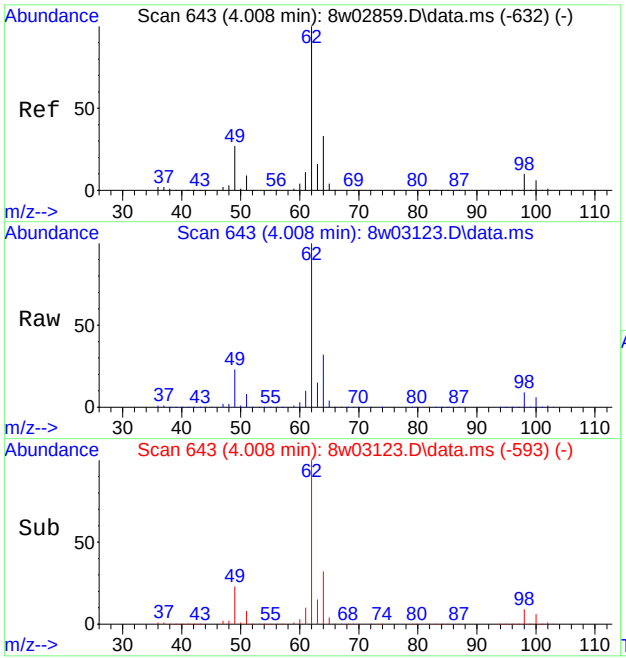


#49
CARBON TETRACHLORIDE
Concen: 44.96 PPBV
RT: 4.642 min Scan# 747
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:117 Resp: 1488467

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.2
121	30.9	24.4	36.6

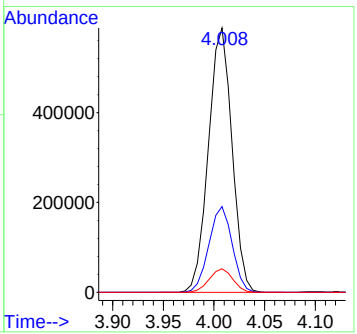


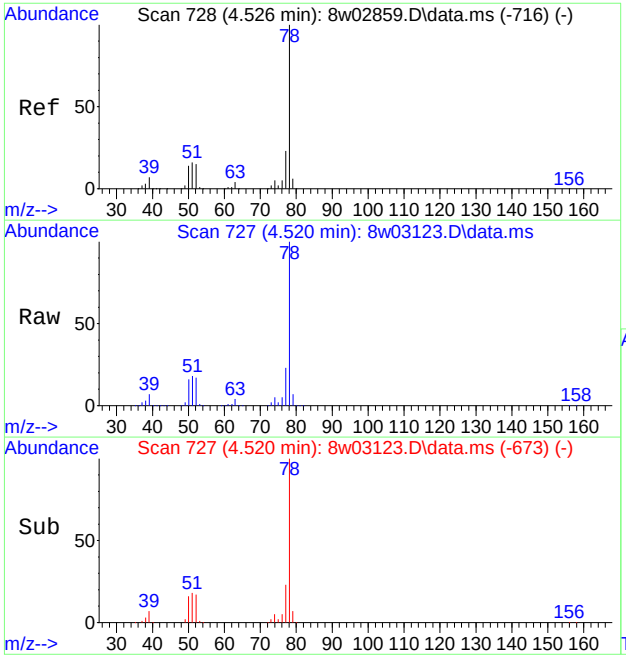


#50
1,2-DICHLOROETHANE
Concen: 41.48 PPBV
RT: 4.008 min Scan# 643
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 62 Resp: 951677

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.6	38.4
98	8.9	7.1	10.7

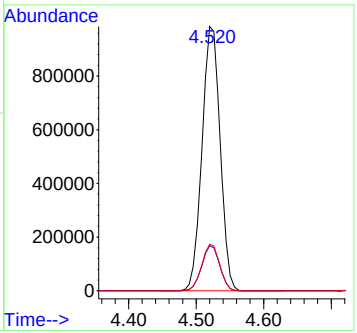


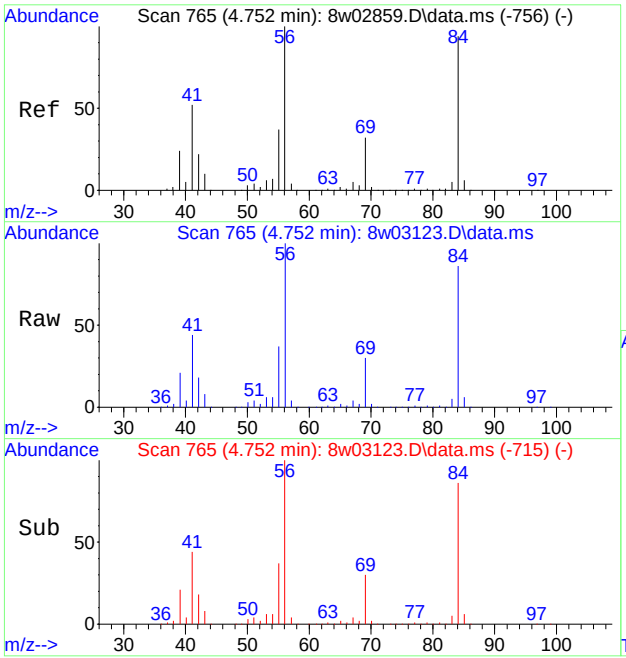


#51
BENZENE
Concen: 41.00 PPBV
RT: 4.520 min Scan# 727
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 78 Resp: 1837296

Ion	Ratio	Lower	Upper
78	100		
52	17.0	0.0	37.6
51	17.5	0.0	38.0

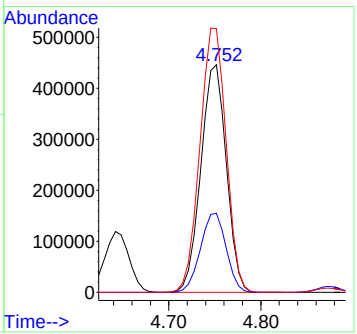


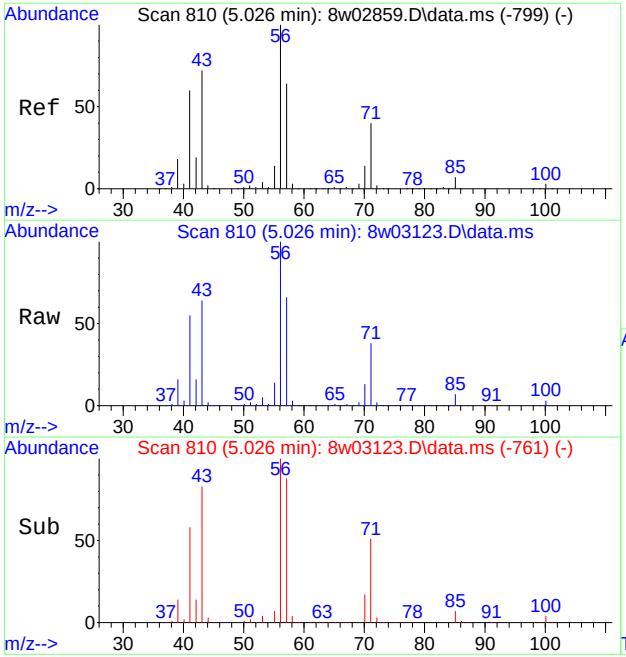


#53
CYCLOHEXANE
Concen: 41.64 PPBV
RT: 4.752 min Scan# 765
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 84 Resp: 859221

Ion	Ratio	Lower	Upper
84	100		
69	35.0	27.7	41.5
56	119.4	99.1	148.7

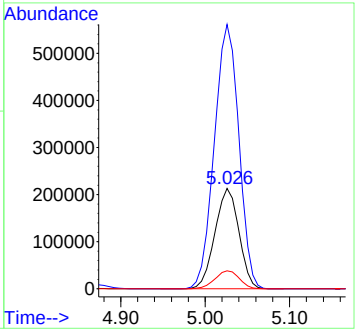


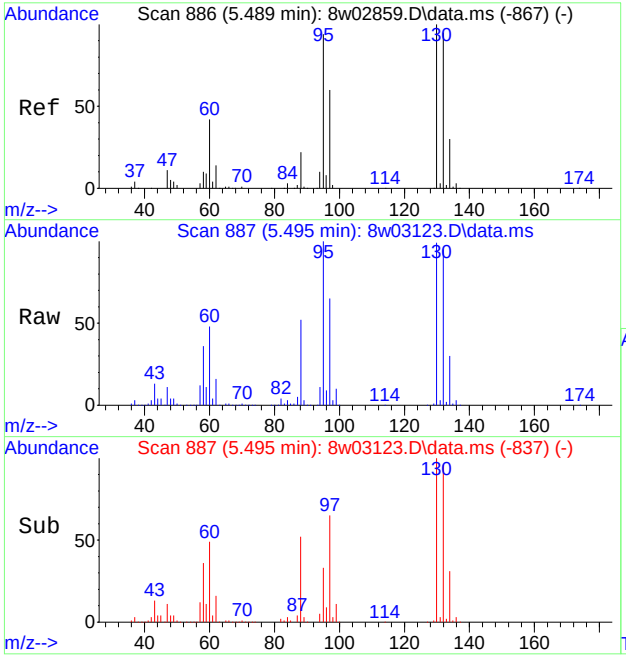


#54
2,3-DIMETHYLPENTANE
Concen: 40.56 PPBV
RT: 5.026 min Scan# 810
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 71 Resp: 421161

Ion	Ratio	Lower	Upper
71	100		
56	269.3	224.9	337.3
85	18.3	14.3	21.5

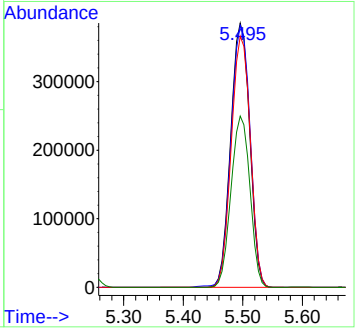


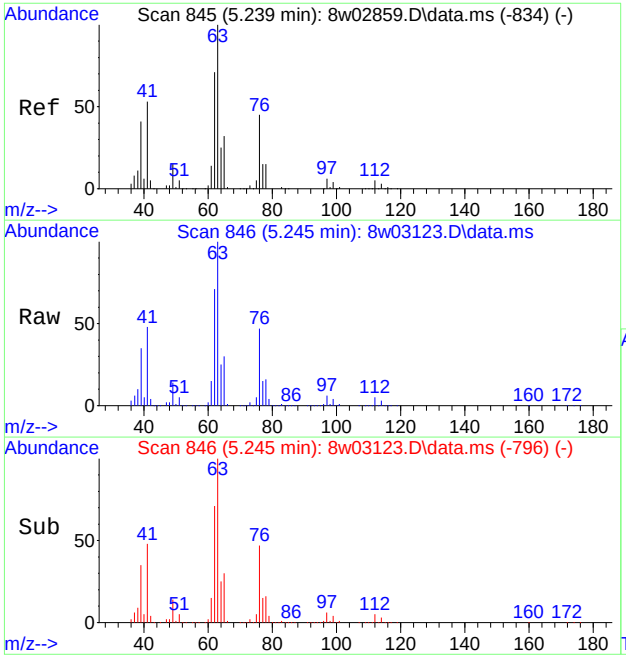


#55
TRICHLOROETHENE
Concen: 40.51 PPBV
RT: 5.495 min Scan# 887
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 95 Resp: 854213

Ion	Ratio	Lower	Upper
95	100		
130	100.3	80.6	120.8
132	95.2	77.0	115.4
97	64.4	51.6	77.4

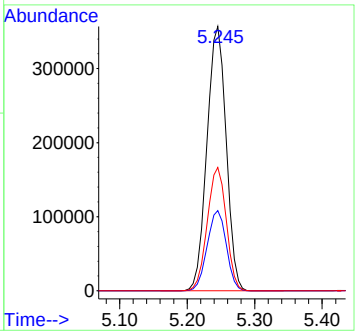


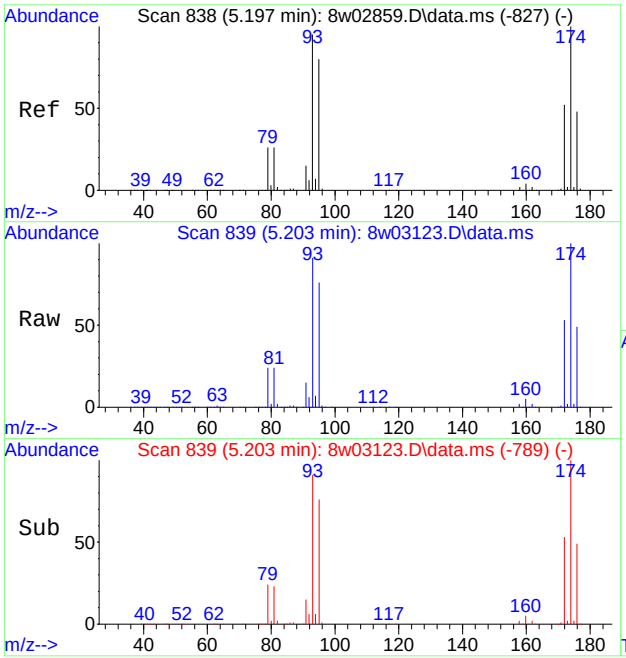


#56
1,2-DICHLOROPROPANE
Concen: 41.25 PPBV
RT: 5.245 min Scan# 846
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 63 Resp: 706485

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.1	36.1
76	46.1	36.4	54.6

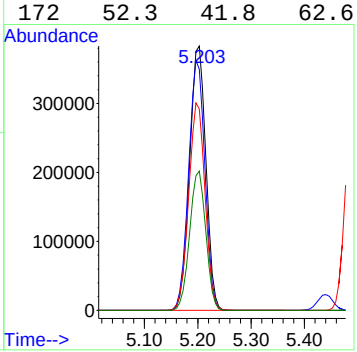


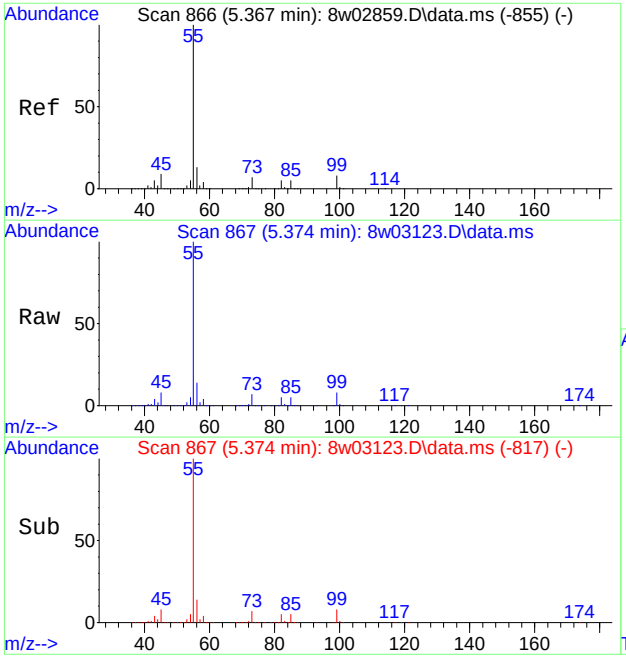


#57
DIBROMOMETHANE
Concen: 42.32 PPBV
RT: 5.203 min Scan# 839
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:174 Resp: 815220

Ion	Ratio	Lower	Upper
174	100		
93	94.9	77.0	115.6
95	78.8	64.2	96.4
172	52.3	41.8	62.6

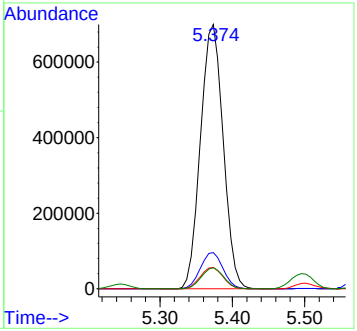


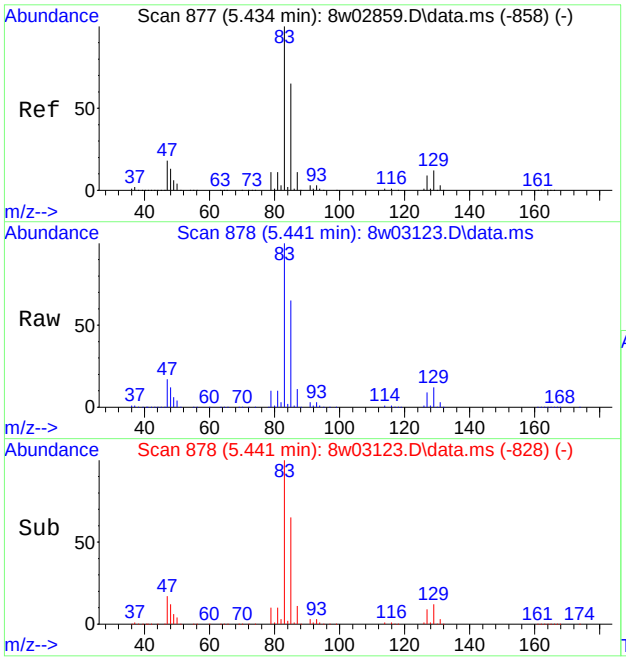


#58
ETHYL ACRYLATE
Concen: 41.70 PPBV
RT: 5.374 min Scan# 867
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 55 Resp: 1525007

Ion	Ratio	Lower	Upper
55	100		
56	13.7	10.9	16.3
45	8.1	6.7	10.1
99	7.8	5.8	8.8

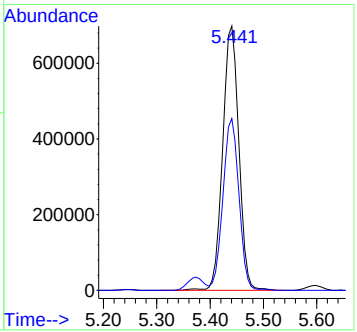


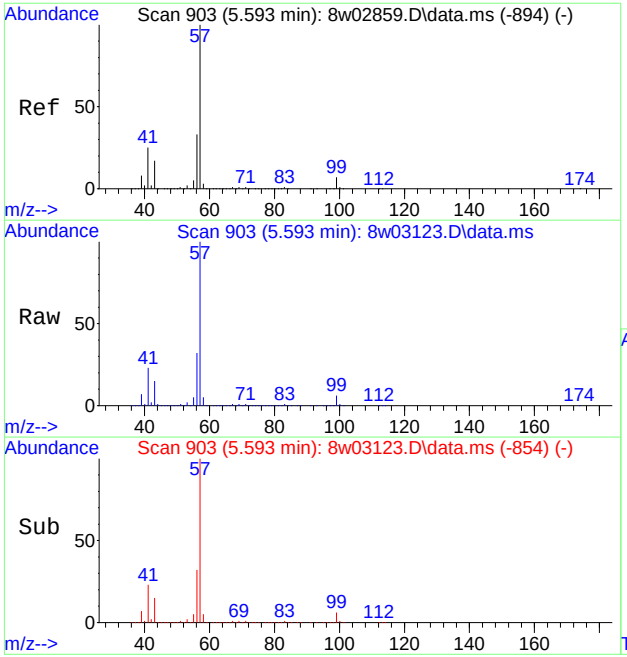


#59
BROMODICHLOROMETHANE
Concen: 43.27 PPBV
RT: 5.441 min Scan# 878
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 83 Resp: 1471988

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.6

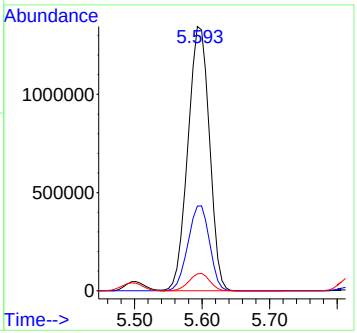


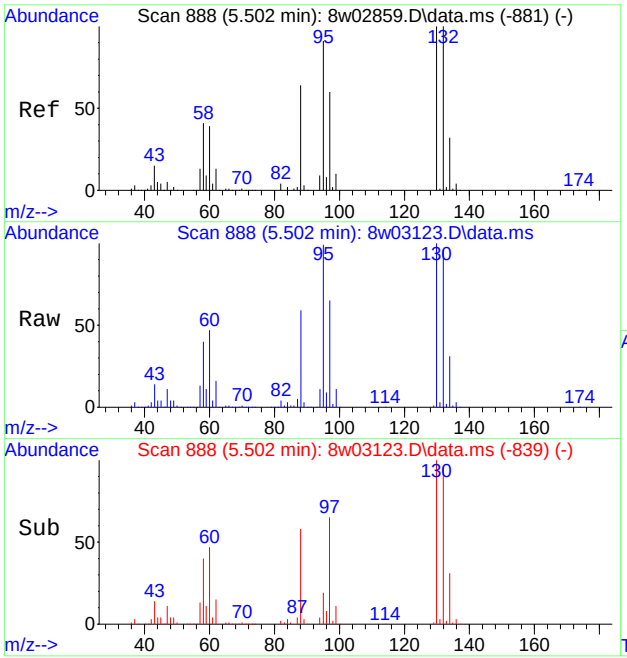


#60
2,2,4-TRIMETHYLPENTANE
Concen: 37.74 PPBV
RT: 5.593 min Scan# 903
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 57 Resp: 2983037

Ion	Ratio	Lower	Upper
57	100		
56	32.2	25.8	38.8
99	6.3	4.7	7.1

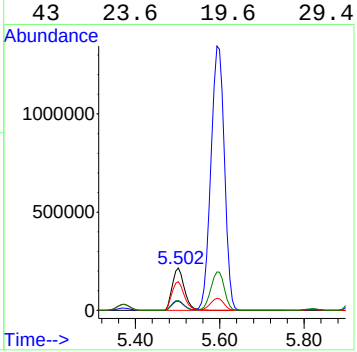


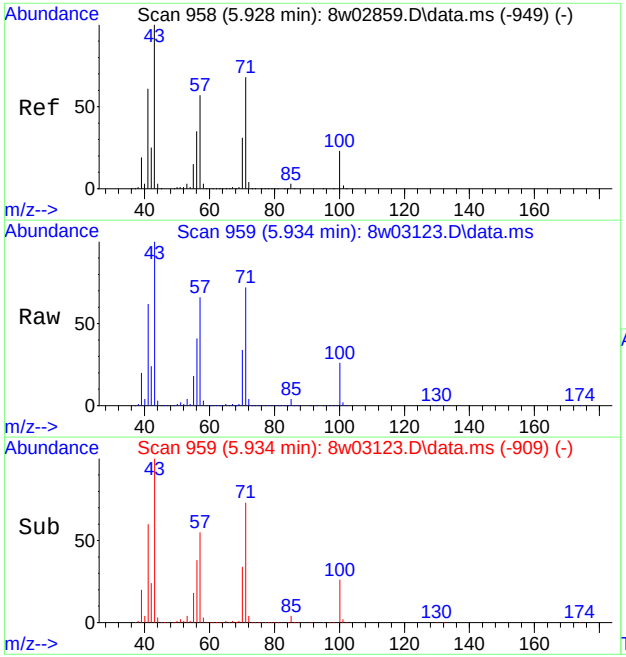


#61
1,4-DIOXANE
Concen: 38.64 PPBV
RT: 5.502 min Scan# 888
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 88 Resp: 428536

Ion	Ratio	Lower	Upper
88	100		
57	22.5	18.4	27.6
58	69.3	57.3	85.9
43	23.6	19.6	29.4

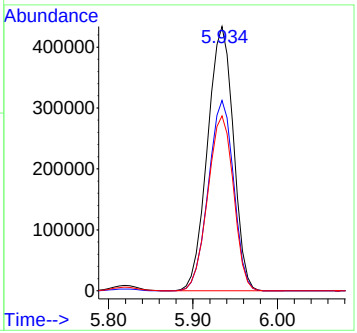


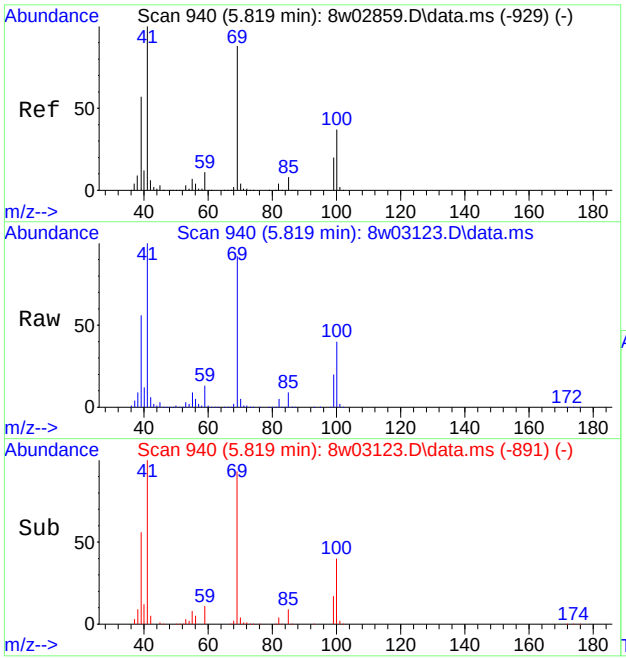


#62
HEPTANE
Concen: 37.40 PPBV
RT: 5.934 min Scan# 959
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 43 Resp: 924154

Ion	Ratio	Lower	Upper
43	100		
71	70.4	52.2	78.2
57	65.6	50.4	75.6

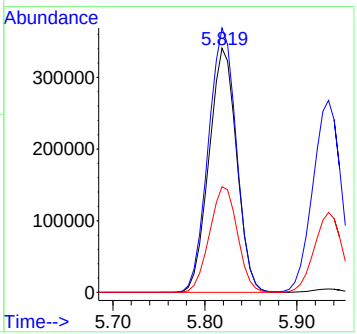


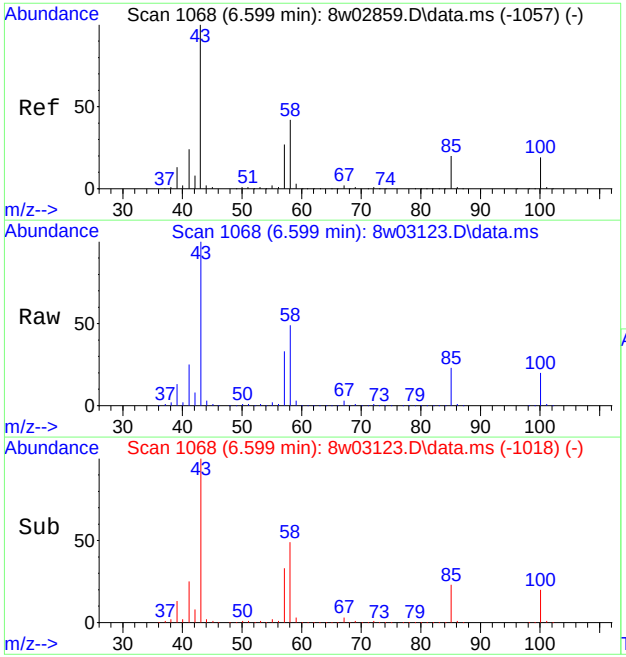


#63
METHYL METHACRYLATE
Concen: 42.72 PPBV
RT: 5.819 min Scan# 940
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 69 Resp: 712644

Ion	Ratio	Lower	Upper
69	100		
41	109.2	91.9	137.9
100	43.6	34.2	51.4

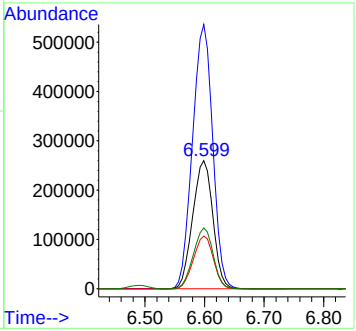


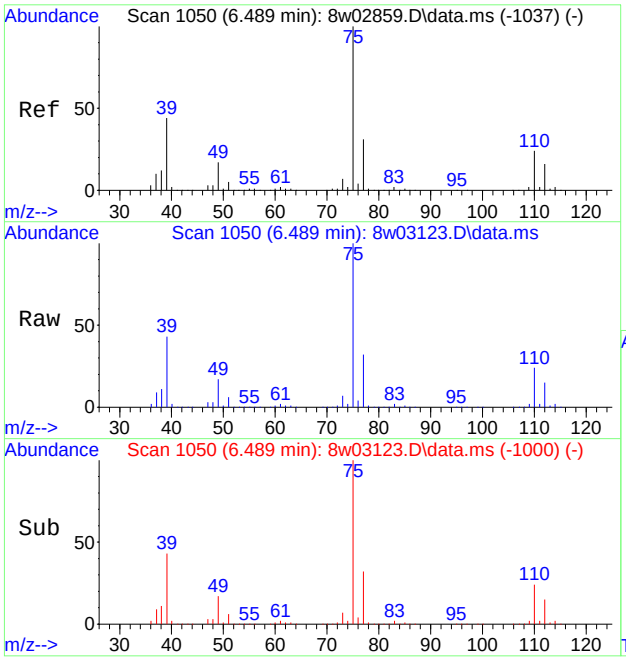


#64
METHYL ISOBUTYL KETONE
Concen: 40.70 PPBV
RT: 6.599 min Scan# 1068
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 58 Resp: 611843

Ion	Ratio	Lower	Upper
58	100		
43	205.9	171.6	257.4
100	40.8	31.4	47.0
85	46.6	35.8	53.6

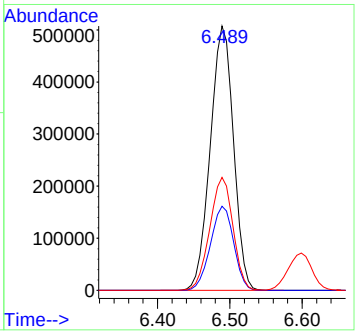


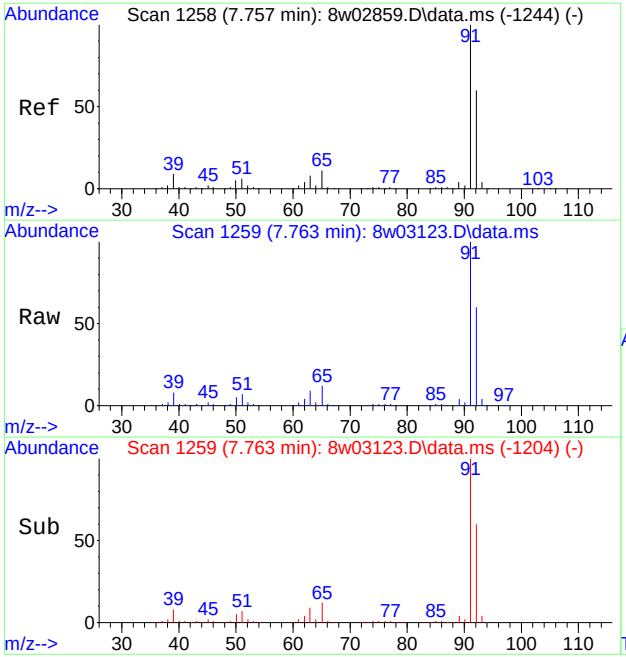


#65
CIS-1,3-DICHLOROPROPENE
Concen: 46.17 PPBV
RT: 6.489 min Scan# 1050
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 75 Resp: 1134300

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	42.8	35.8	53.8

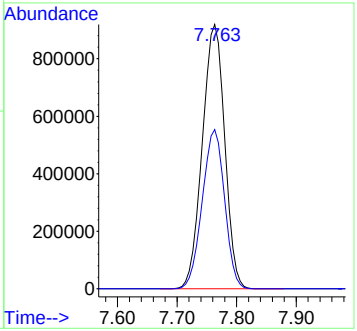


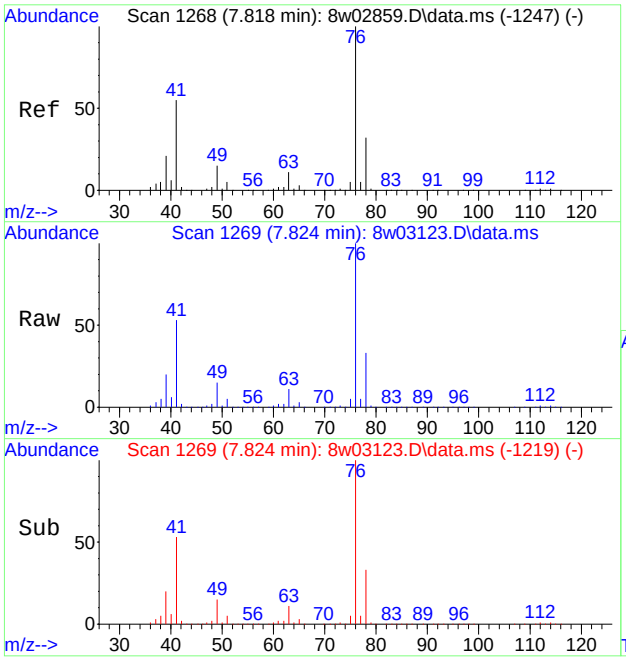


#66
TOLUENE
Concen: 42.35 PPBV
RT: 7.763 min Scan# 1259
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 91 Resp: 2394324

Ion	Ratio	Lower	Upper
91	100		
92	60.0	39.8	79.8

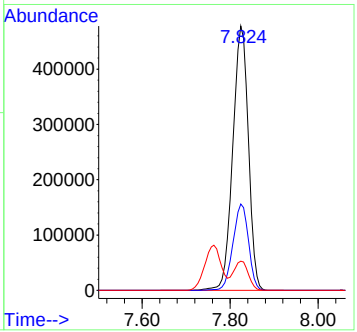


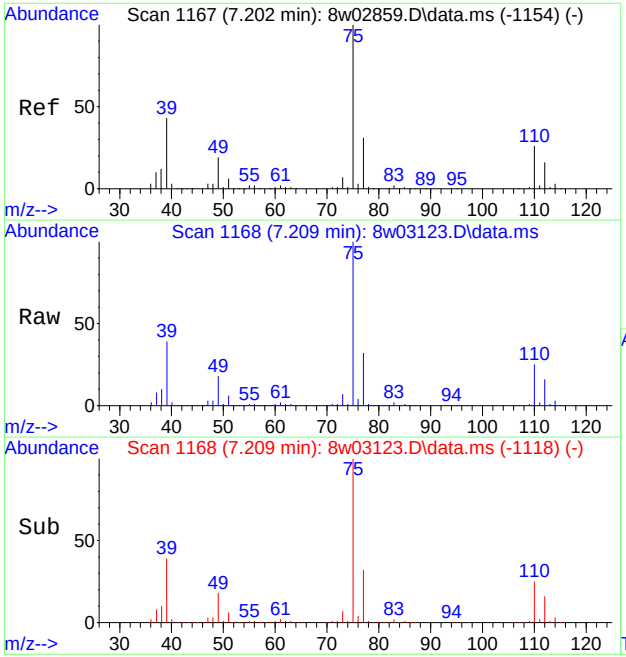


#67
1,3-DICHLOROPROPANE
Concen: 42.59 PPBV
RT: 7.824 min Scan# 1269
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 76 Resp: 1174086

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9
63	10.0	8.6	12.8

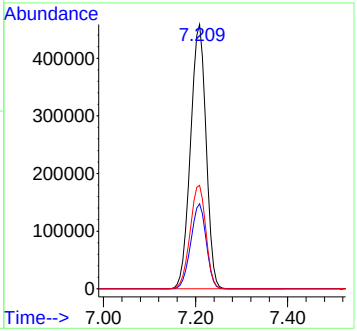


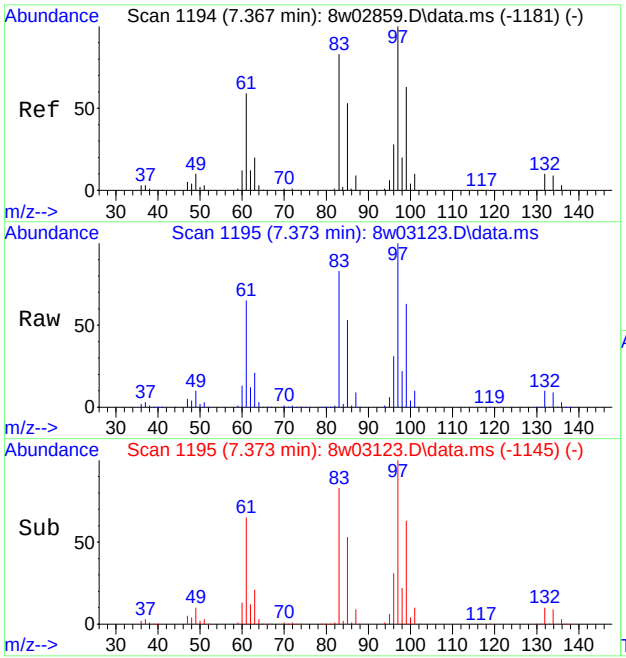


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 49.66 PPBV
RT: 7.209 min Scan# 1168
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 75 Resp: 1077946

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9
39	39.7	33.4	50.0

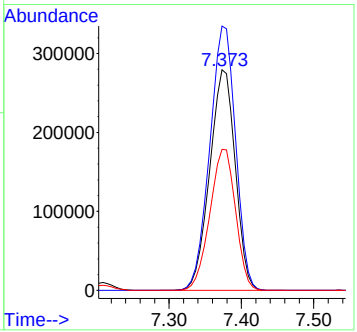


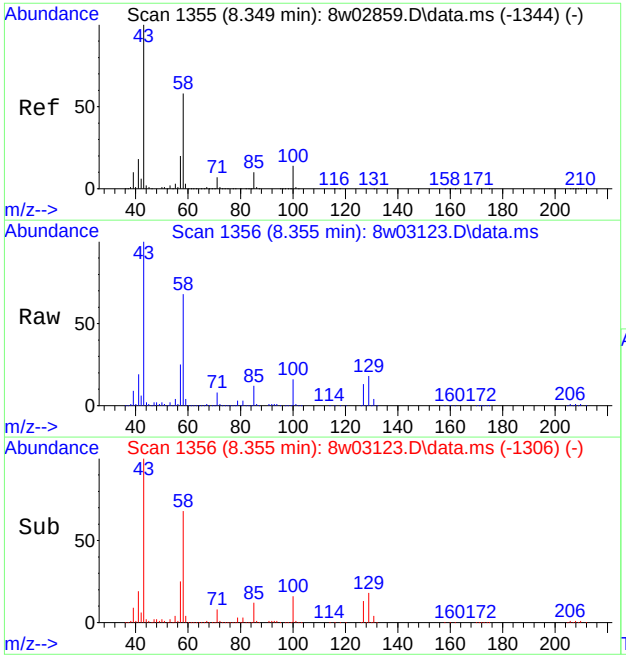


#69
1,1,2-TRICHLOROETHANE
Concen: 43.47 PPBV
RT: 7.373 min Scan# 1195
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 83 Resp: 687085

Ion	Ratio	Lower	Upper
83	100		
97	120.9	98.2	147.2
85	64.3	51.7	77.5

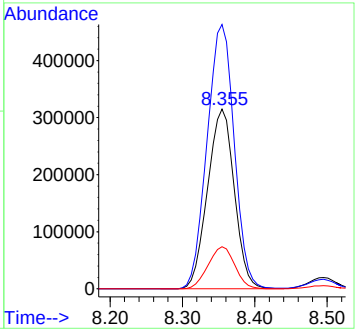


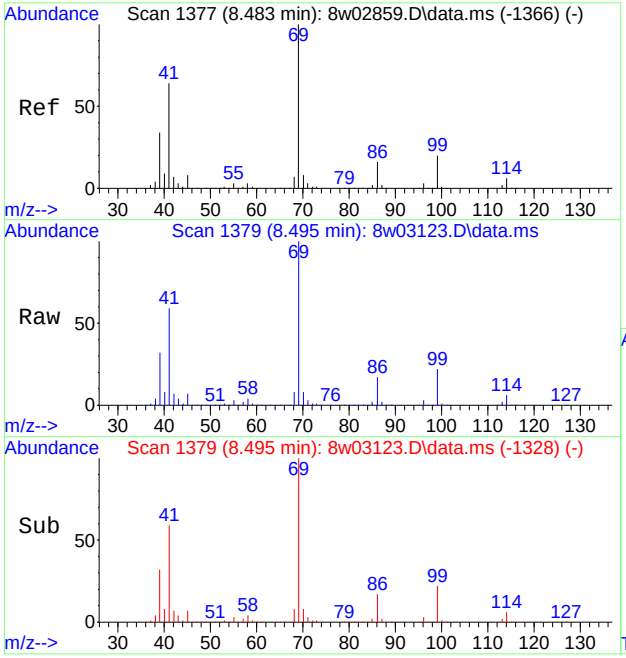


#70
2-HEXANONE
Concen: 40.34 PPBV
RT: 8.355 min Scan# 1356
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 58 Resp: 809502

Ion	Ratio	Lower	Upper
58	100		
43	149.6	124.3	186.5
100	23.4	18.0	27.0

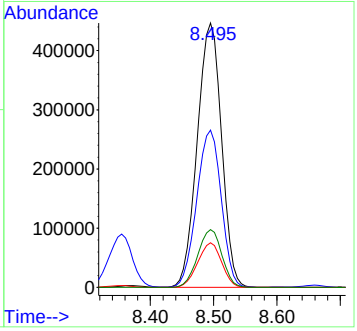


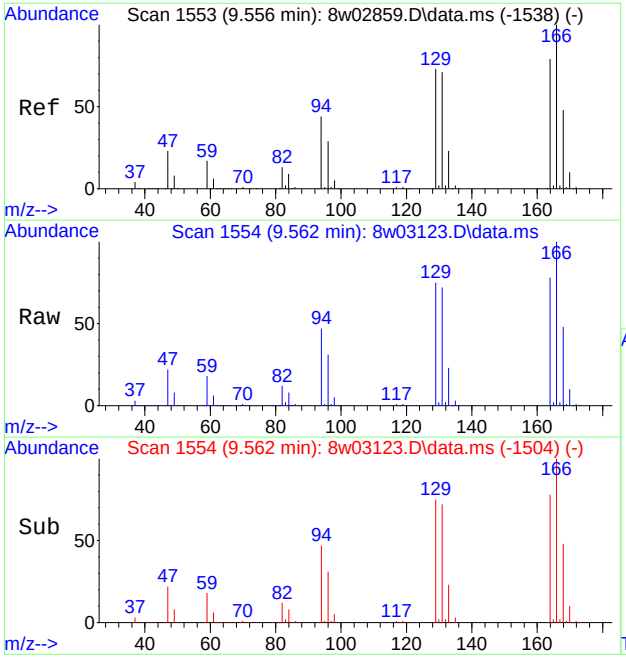


#71
ETHYL METHACRYLATE
Concen: 44.59 PPBV
RT: 8.495 min Scan# 1379
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 69 Resp: 1190934

Ion	Ratio	Lower	Upper
69	100		
41	60.0	50.3	75.5
86	16.6	13.0	19.4
99	21.7	16.9	25.3

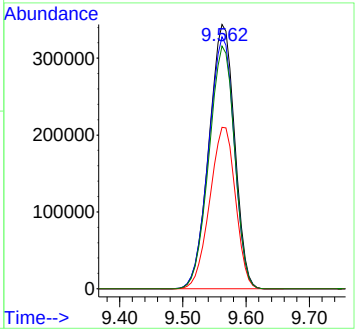


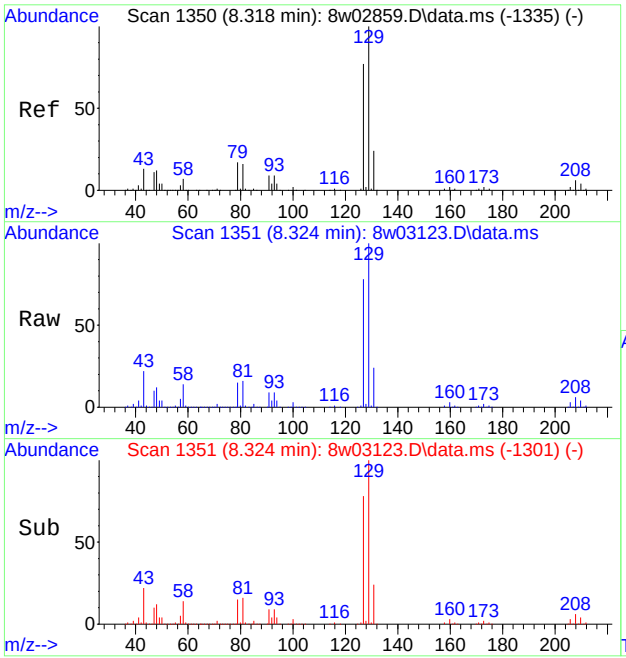


#72
TETRACHLOROETHENE
Concen: 42.61 PPBV
RT: 9.562 min Scan# 1554
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:164 Resp: 968461

Ion	Ratio	Lower	Upper
164	100		
129	95.3	75.8	113.8
168	61.2	48.8	73.2
131	91.7	73.0	109.4

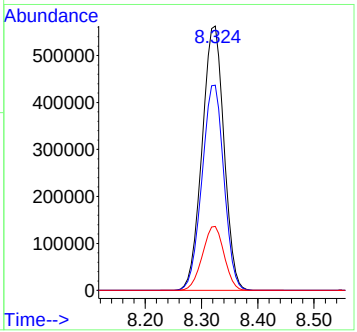


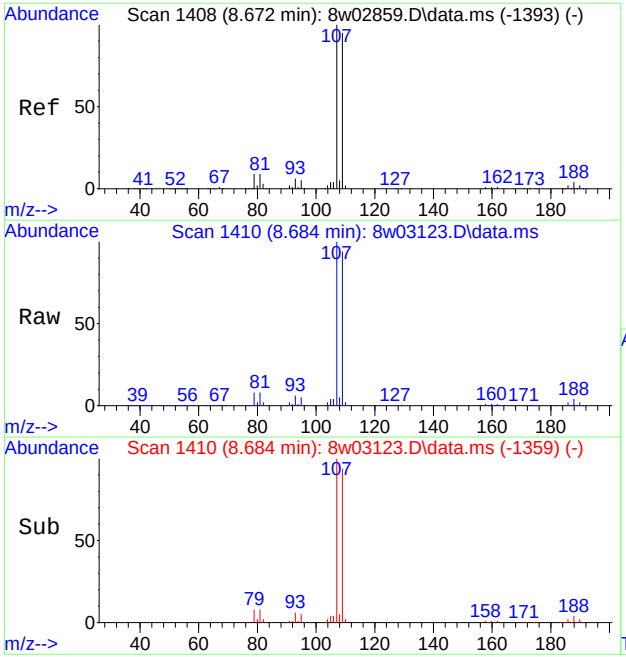


#73
DIBROMOCHLOROMETHANE
Concen: 45.95 PPBV
RT: 8.324 min Scan# 1351
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:129 Resp: 1520202

Ion	Ratio	Lower	Upper
129	100		
127	77.7	62.0	93.0
131	24.1	19.1	28.7

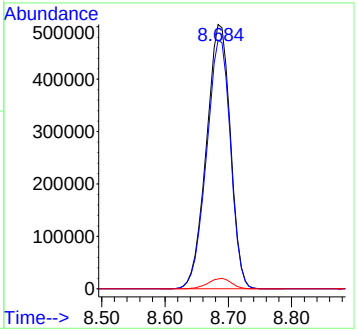


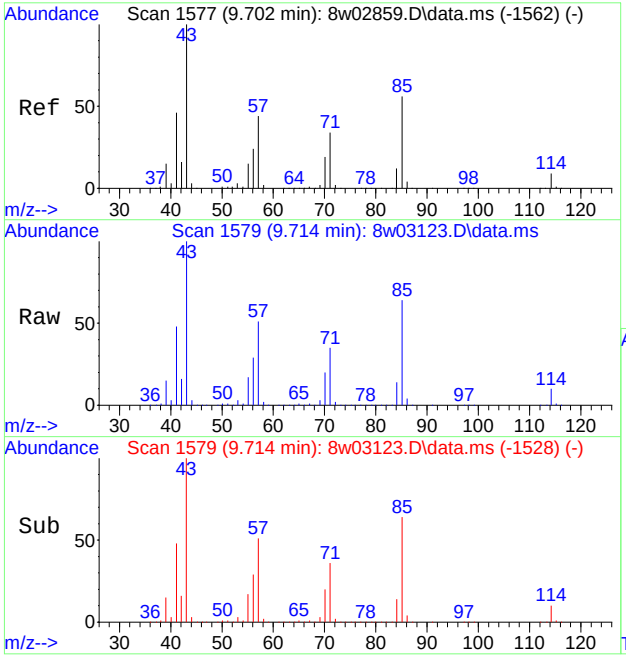


#74
1,2-DIBROMOETHANE
Concen: 43.98 PPBV
RT: 8.684 min Scan# 1410
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:107 Resp: 1327569

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0
188	3.9	3.0	4.6

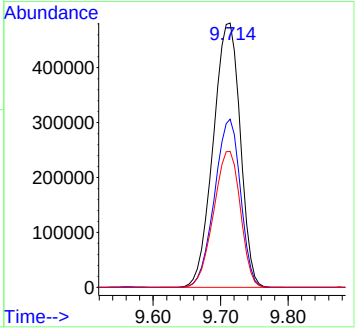


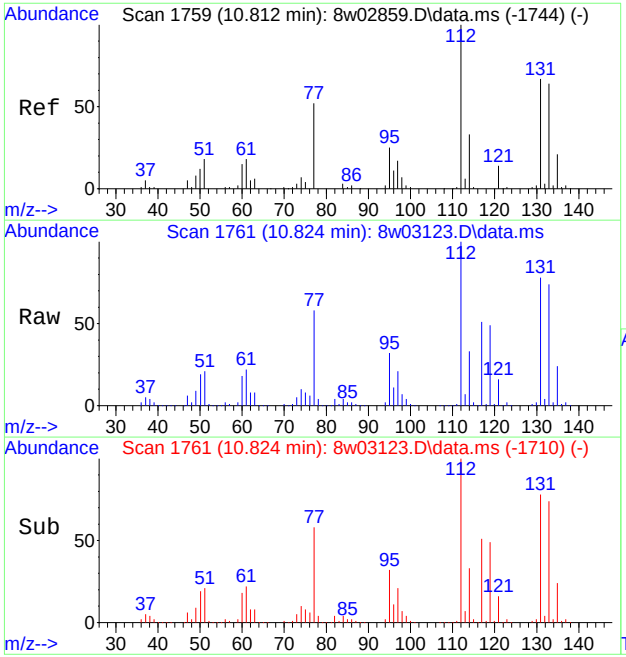


#75
OCTANE
Concen: 39.88 PPBV
RT: 9.714 min Scan# 1579
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 43 Resp: 1341885

Ion	Ratio	Lower	Upper
43	100		
85	61.2	45.1	67.7
57	51.0	39.0	58.6

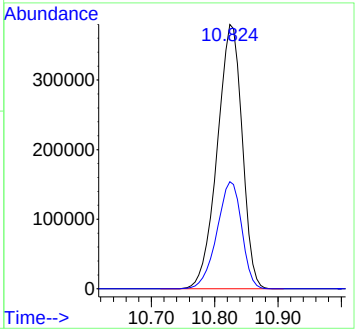


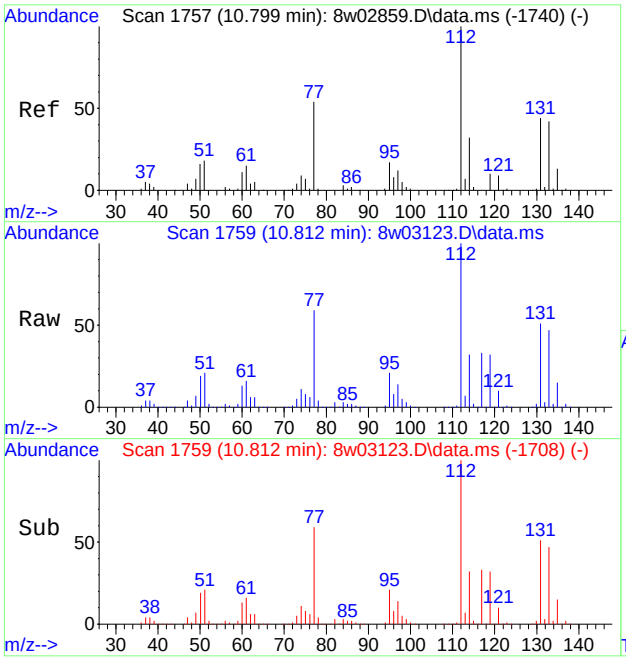


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 42.05 PPBV
RT: 10.824 min Scan# 1761
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:131 Resp: 1040141

Ion	Ratio	Lower	Upper
131	100		
95	40.3	31.7	47.5

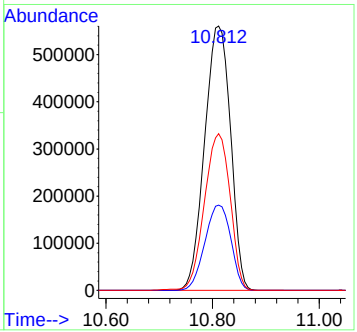


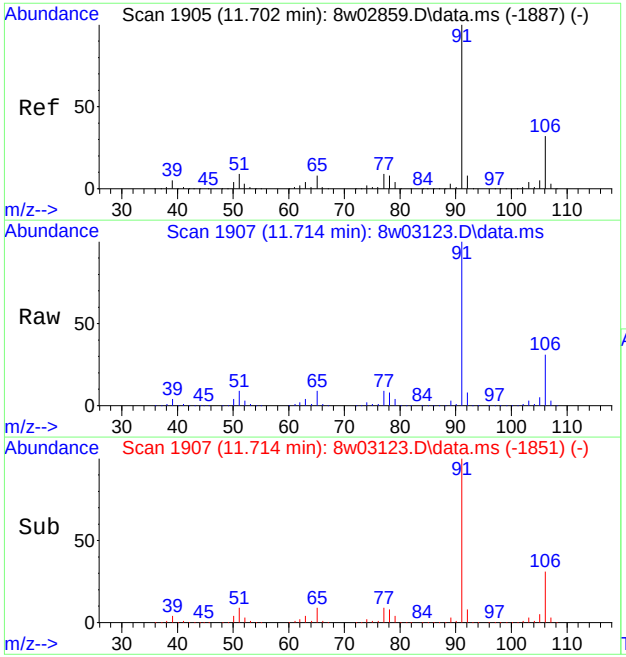


#78
CHLOROBENZENE
Concen: 39.26 PPBV
RT: 10.812 min Scan# 1759
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:112 Resp: 1896923

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5
77	58.9	47.4	71.2

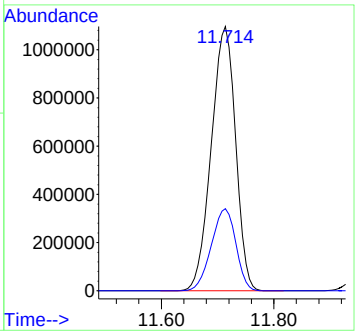


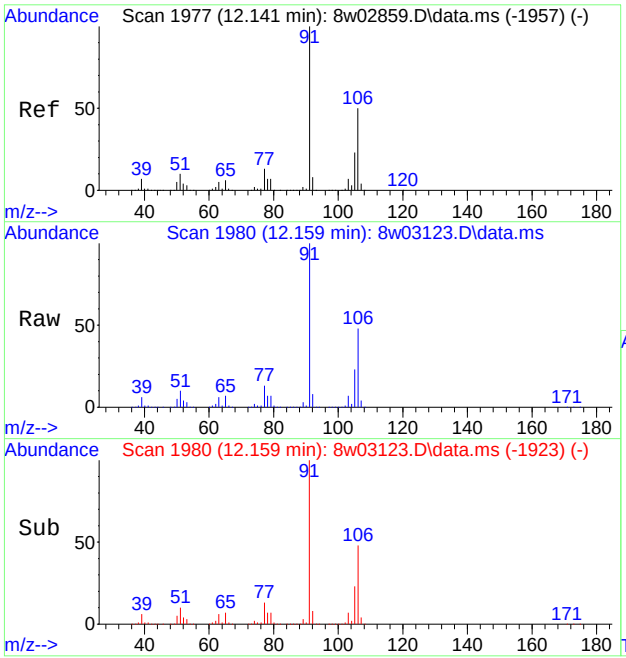


#79
ETHYLBENZENE
Concen: 40.80 PPBV
RT: 11.714 min Scan# 1907
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 91 Resp: 3291950

Ion	Ratio	Lower	Upper
91	100		
106	31.4	11.5	51.5

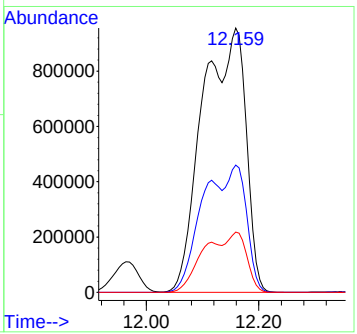


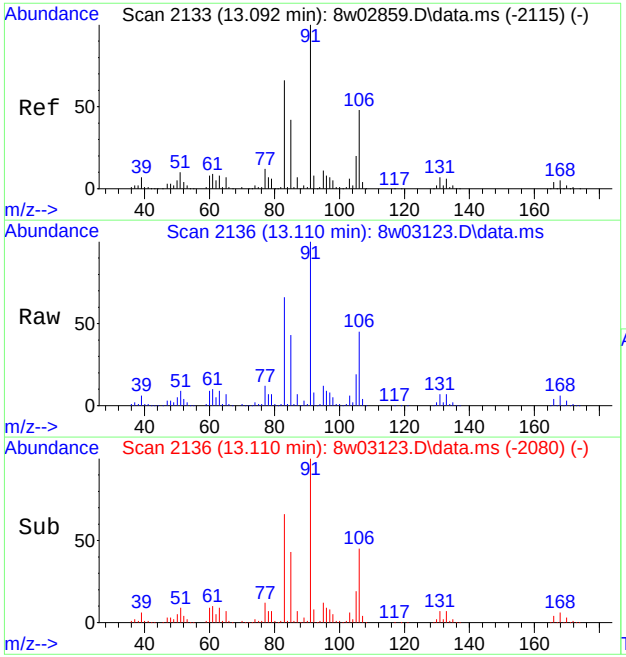


#80
M,P-XYLENE
Concen: 81.40 PPBV
RT: 12.159 min Scan# 1980
Delta R.T. 0.018 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 91 Resp: 5116862

Ion	Ratio	Lower	Upper
91	100		
106	48.4	5.3	45.3#
105	22.2	0.0	31.8

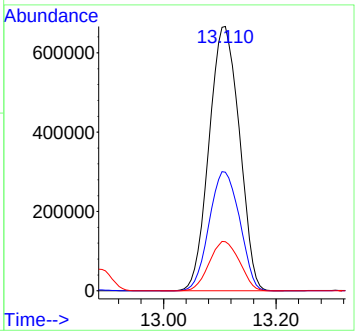


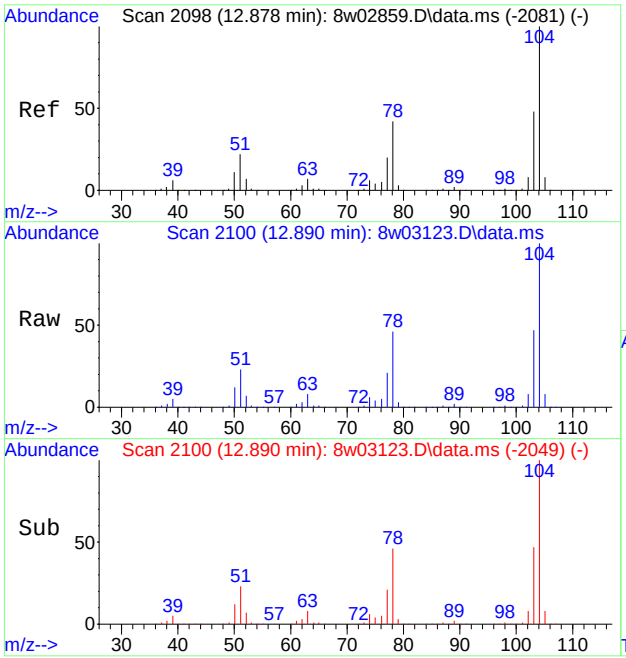


#81
O-XYLENE
Concen: 39.31 PPBV
RT: 13.110 min Scan# 2136
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 91 Resp: 2496447

Ion	Ratio	Lower	Upper
91	100		
106	44.8	36.8	55.2
105	18.6	15.0	22.6

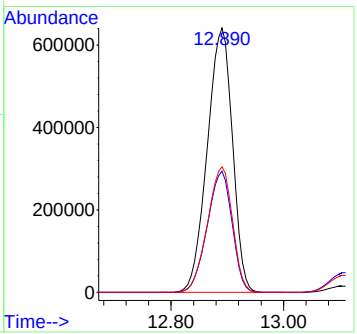


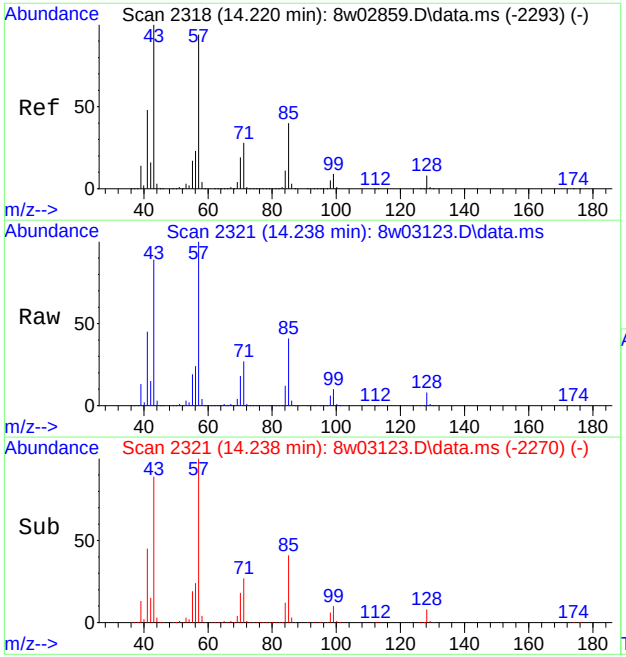


#82
STYRENE
Concen: 40.92 PPBV
RT: 12.890 min Scan# 2100
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:104 Resp: 1995985

Ion	Ratio	Lower	Upper
104	100		
78	45.2	35.4	53.0
103	47.3	37.7	56.5

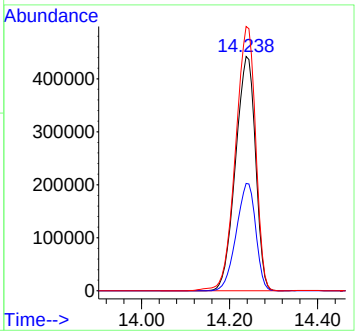


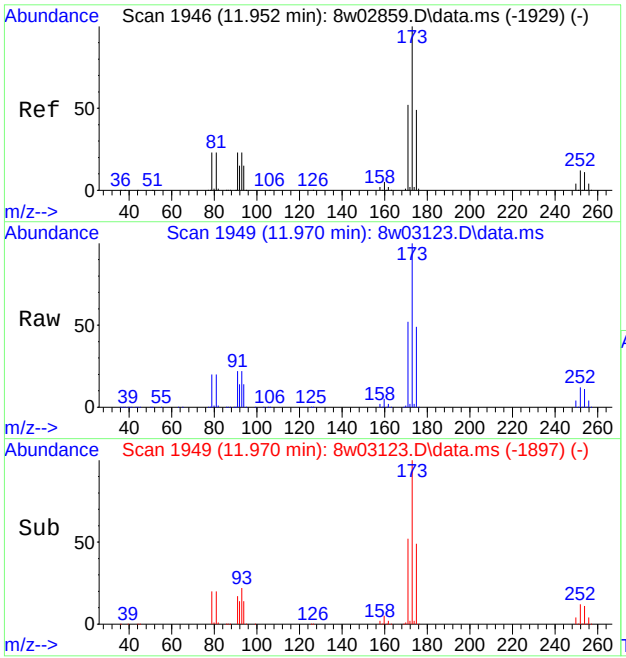


#83
NONANE
Concen: 36.51 PPBV
RT: 14.238 min Scan# 2321
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 43 Resp: 1392621

Ion	Ratio	Lower	Upper
43	100		
85	44.7	32.5	48.7
57	113.2	88.6	132.8

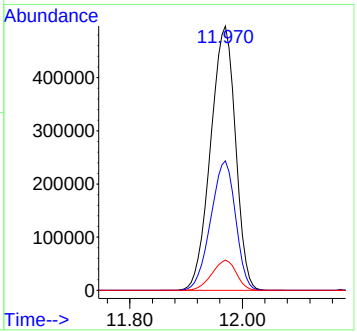


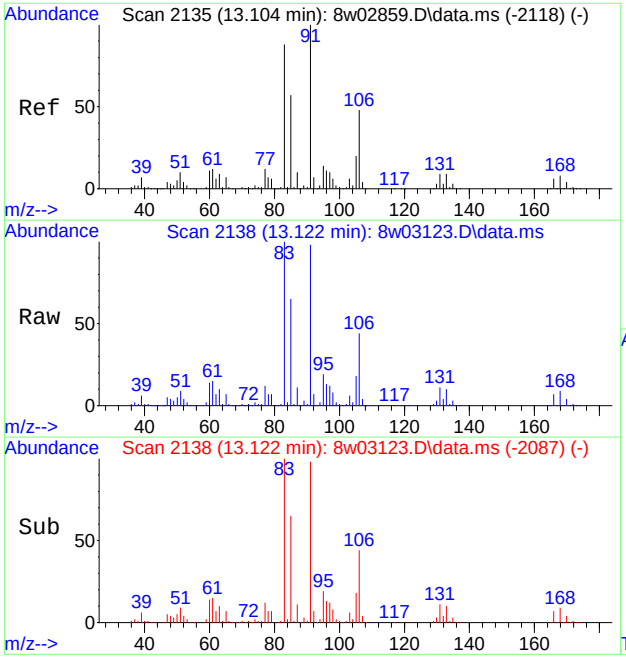


#84
BROMOFORM
Concen: 47.05 PPBV
RT: 11.970 min Scan# 1949
Delta R.T. 0.018 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:173 Resp: 1528432

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.4
254	11.3	8.7	13.1

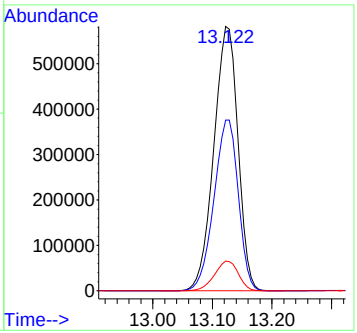


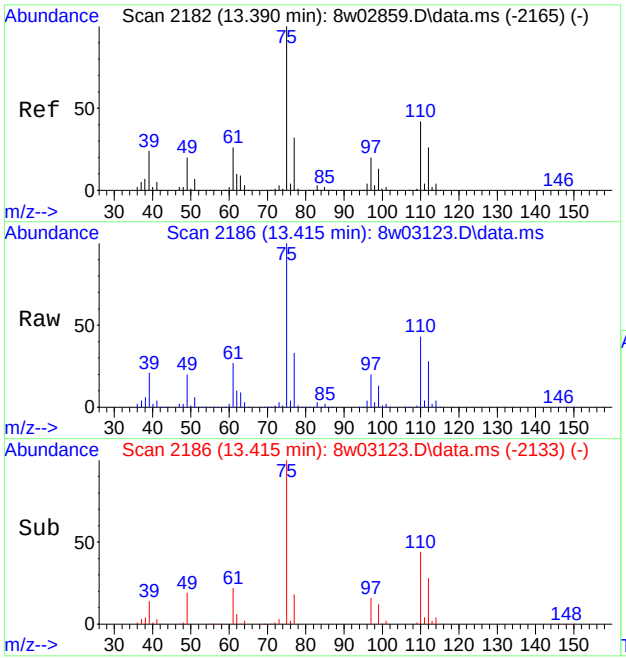


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 37.56 PPBV
RT: 13.122 min Scan# 2138
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 83 Resp: 1635343

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.9	77.9
131	11.1	8.5	12.7

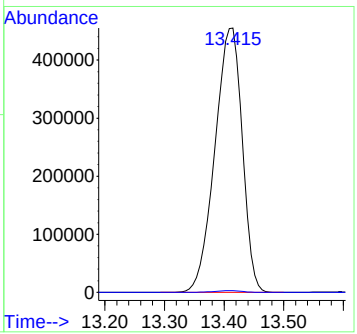


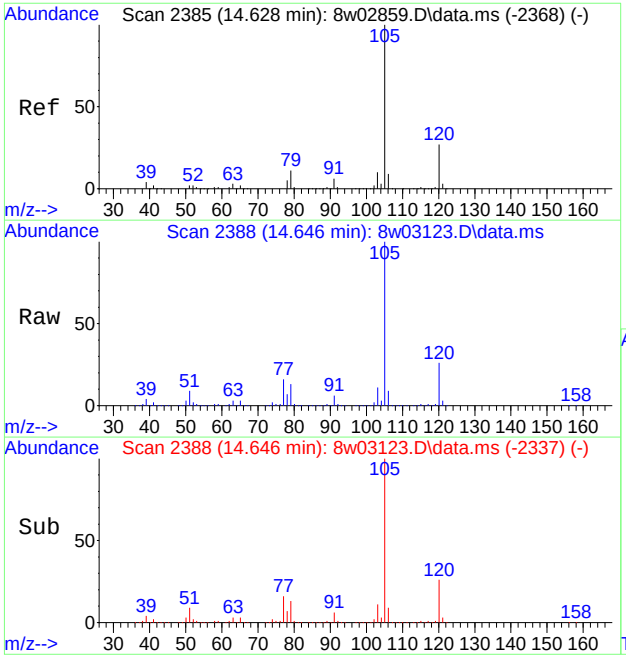


#86
1,2,3-TRICHLOROPROPANE
Concen: 40.98 PPBV
RT: 13.415 min Scan# 2186
Delta R.T. 0.024 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 75 Resp: 1446361

Ion	Ratio	Lower	Upper
75	100		
100	0.6	0.5	0.7

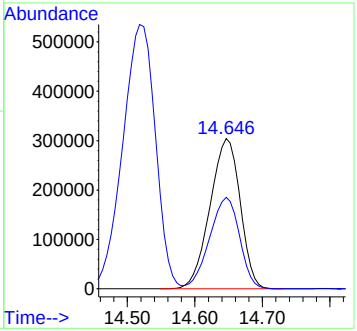


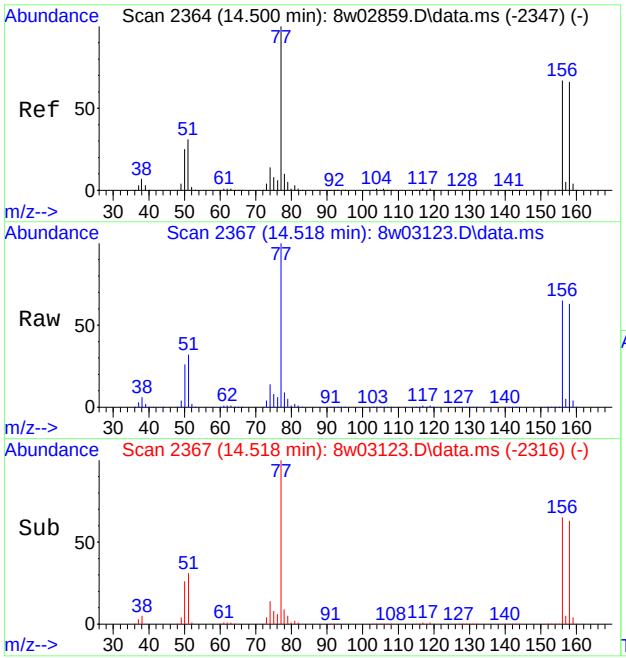


#88
ISOPROPYLBENZENE
Concen: 39.96 PPBV
RT: 14.646 min Scan# 2388
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:120 Resp: 947570

Ion	Ratio	Lower	Upper
120	100		
77	60.3	46.8	70.2

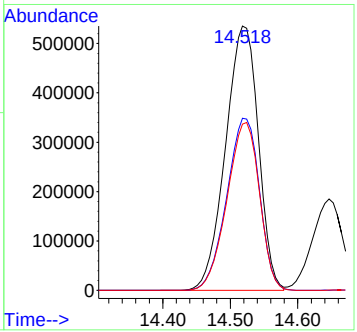


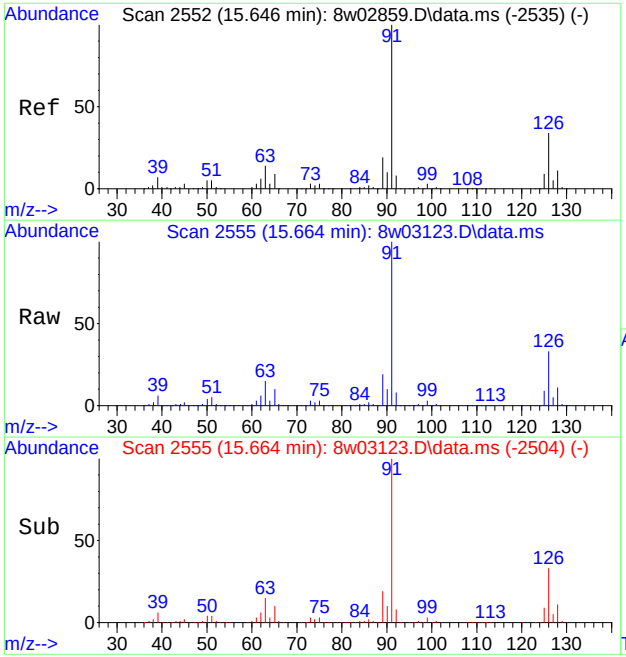


#89
BROMOBENZENE
Concen: 41.00 PPBV
RT: 14.518 min Scan# 2367
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 77 Resp: 1808413

Ion	Ratio	Lower	Upper
77	100		
156	65.0	51.5	77.3
158	62.9	50.2	75.4

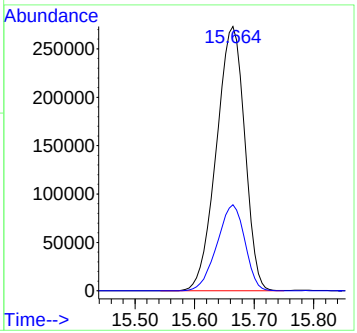


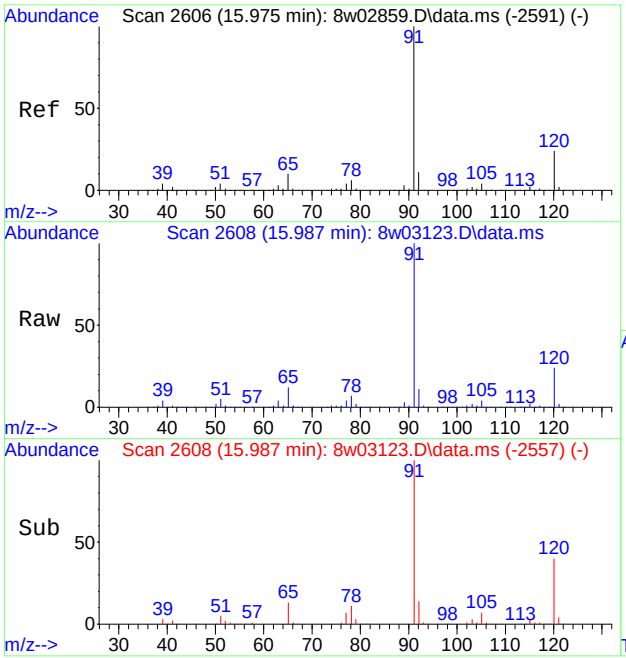


#90
2-CHLOROTOLUENE
Concen: 41.55 PPBV
RT: 15.664 min Scan# 2555
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:126 Resp: 899899

Ion	Ratio	Lower	Upper
126	100		
128	32.1	26.0	39.0

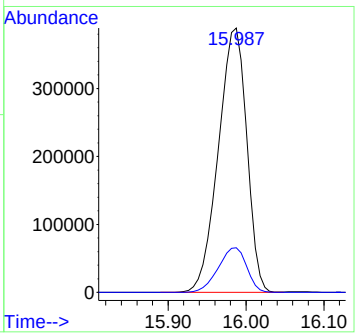


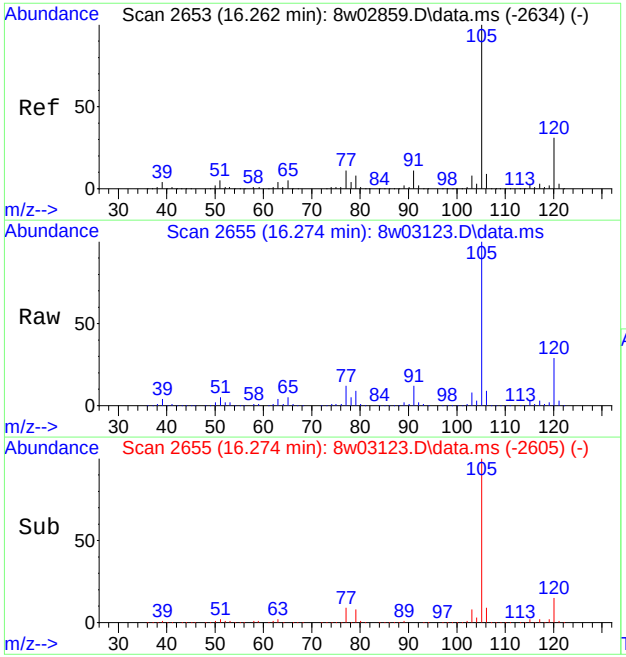


#91
N-PROPYLBENZENE
Concen: 39.86 PPBV
RT: 15.987 min Scan# 2608
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:120 Resp: 983647

Ion	Ratio	Lower	Upper
120	100		
105	16.9	13.3	19.9

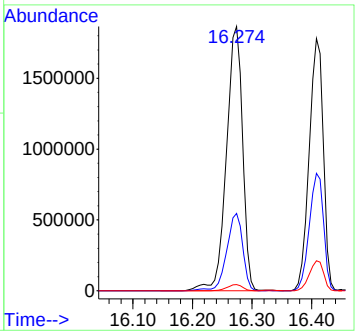


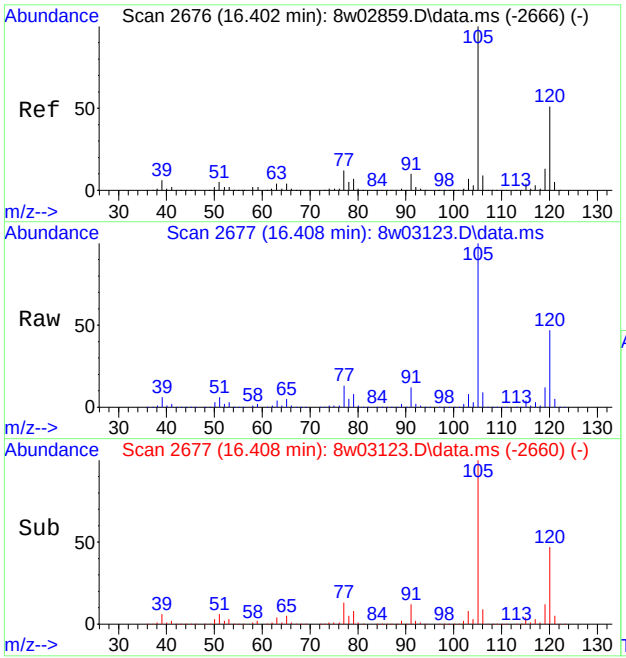


#92
4-ETHYLTOLUENE
Concen: 38.68 PPBV
RT: 16.274 min Scan# 2655
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:105 Resp: 3505035

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.2	34.8
119	2.3	1.8	2.8

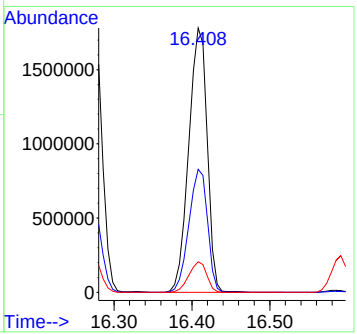


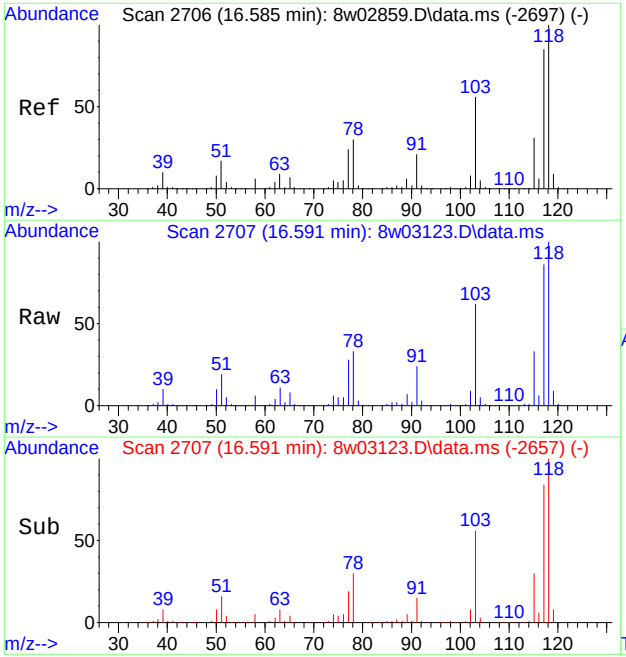


#93
1,3,5-TRIMETHYLBENZENE
Concen: 38.73 PPBV
RT: 16.408 min Scan# 2677
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:105 Resp: 2932245

Ion	Ratio	Lower	Upper
105	100		
120	46.9	38.2	57.4
91	11.2	8.7	13.1

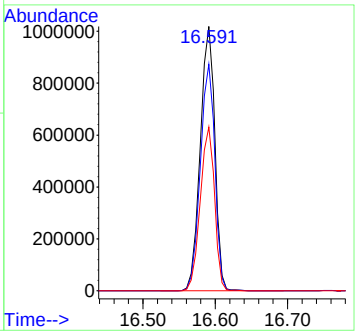


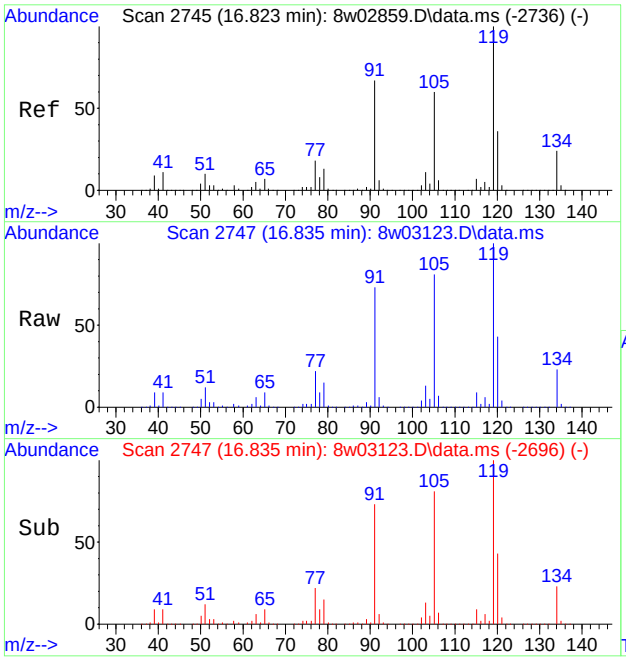


#94
ALPHA-METHYLSTYRENE
Concen: 38.34 PPBV
RT: 16.591 min Scan# 2707
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:118 Resp: 1420935

Ion	Ratio	Lower	Upper
118	100		
117	85.6	68.5	102.7
103	60.9	46.9	70.3

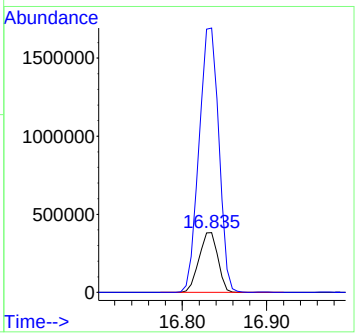


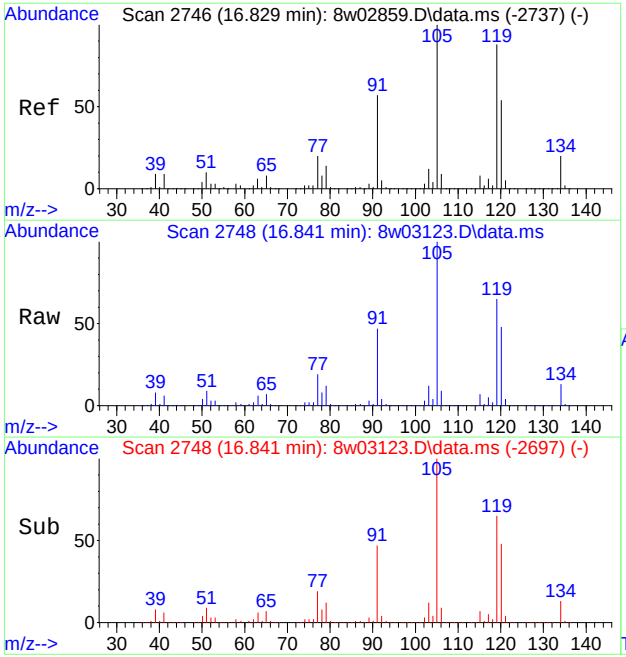


#95
TERT-BUTYLBENZENE
Concen: 36.57 PPBV
RT: 16.835 min Scan# 2747
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:134 Resp: 594665

Ion	Ratio	Lower	Upper
134	100		
119	465.4	376.4	564.6

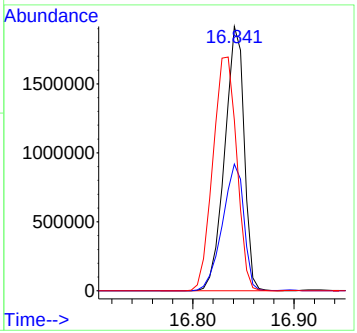


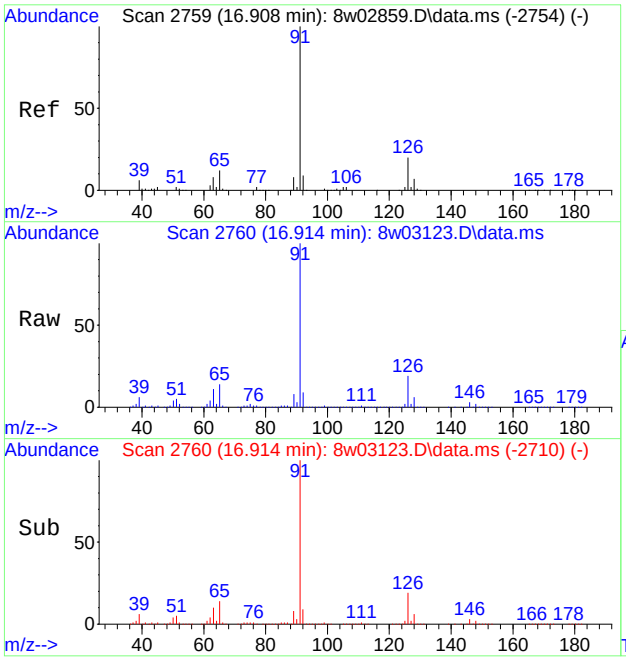


#96
1,2,4-TRIMETHYLBENZENE
Concen: 35.41 PPBV
RT: 16.841 min Scan# 2748
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:105 Resp: 2559435

Ion	Ratio	Lower	Upper
105	100		
120	53.3	42.1	63.1
119	108.1	84.6	127.0

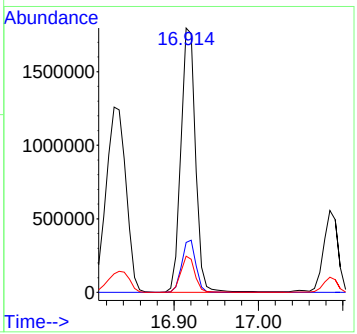


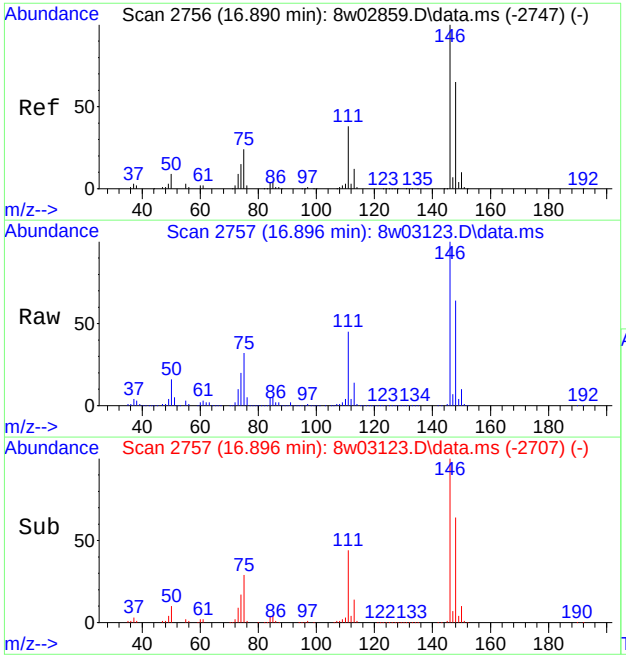


#97
BENZYL CHLORIDE
Concen: 59.14 PPBV
RT: 16.914 min Scan# 2760
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion: 91 Resp: 2173916

Ion	Ratio	Lower	Upper
91	100		
126	19.1	15.2	22.8
65	13.4	10.3	15.5

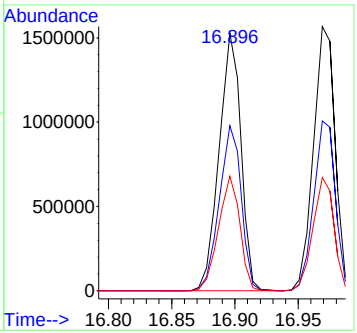


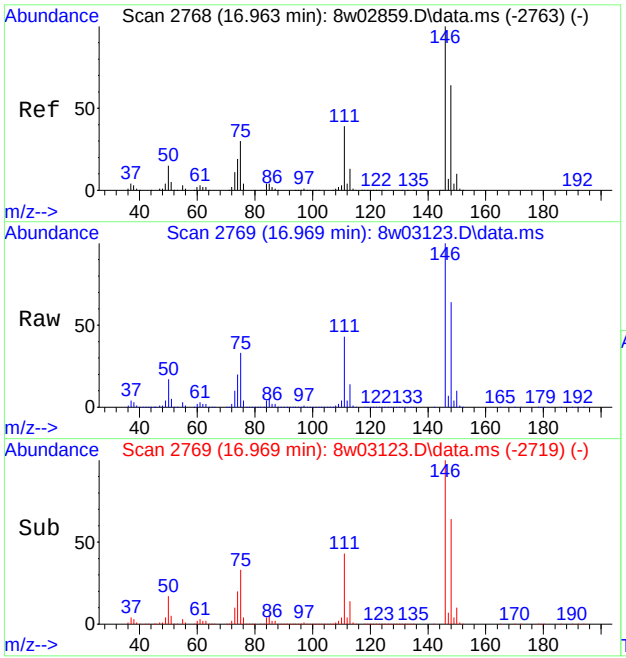


#98
M-DICHLOROBENZENE
Concen: 37.64 PPBV
RT: 16.896 min Scan# 2757
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:146 Resp: 1830685

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.4
111	43.6	34.2	51.4

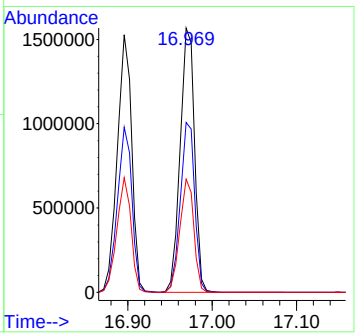


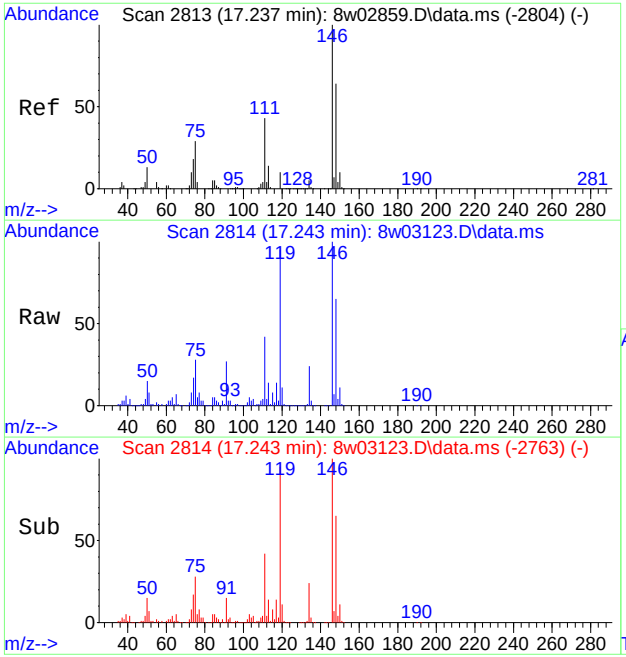


#99
P-DICHLOROBENZENE
Concen: 37.98 PPBV
RT: 16.969 min Scan# 2769
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:146 Resp: 1861858

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.4
111	41.9	32.8	49.2

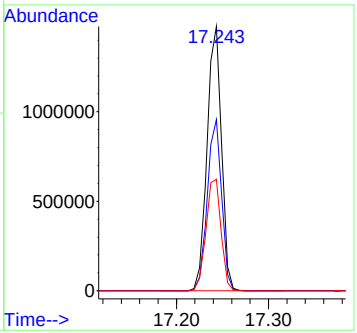


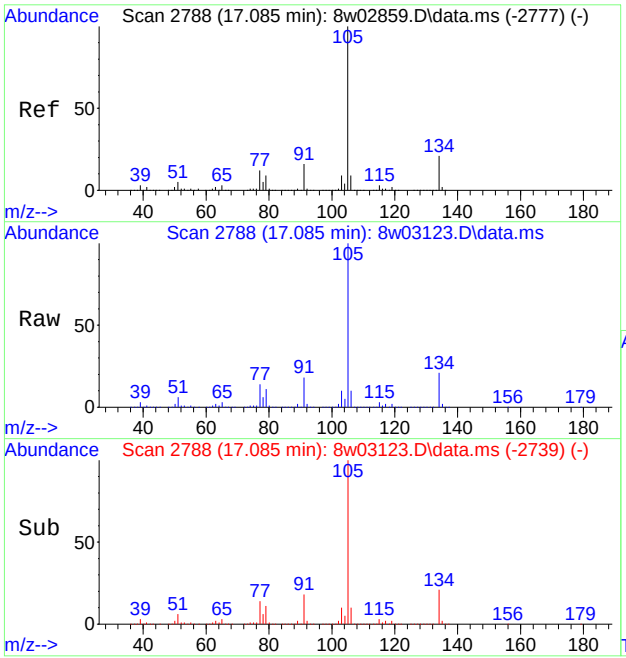


#100
O-DICHLOROBENZENE
Concen: 35.72 PPBV
RT: 17.243 min Scan# 2814
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:146 Resp: 1607370

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.9	76.3
111	44.1	35.9	53.9

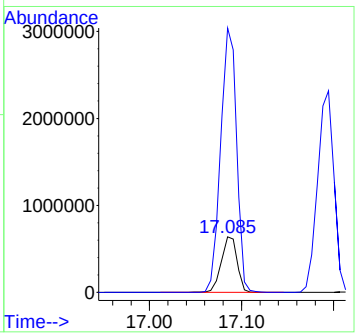


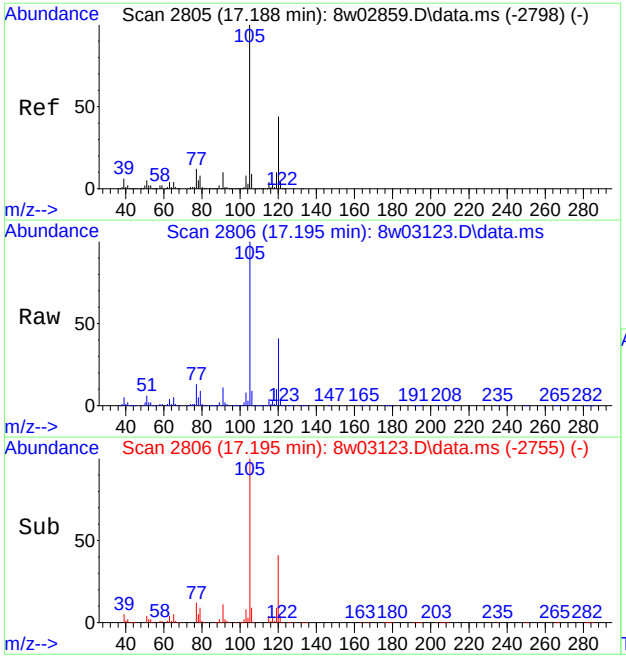


#101
SEC-BUTYLBENZENE
Concen: 36.67 PPBV
RT: 17.085 min Scan# 2788
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:134 Resp: 765000

Ion	Ratio	Lower	Upper
134	100		
105	479.1	405.0	607.6

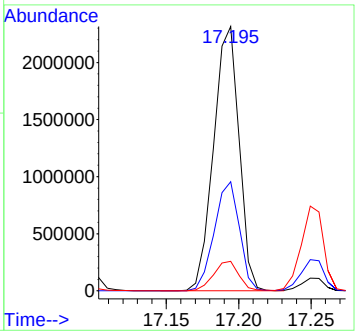


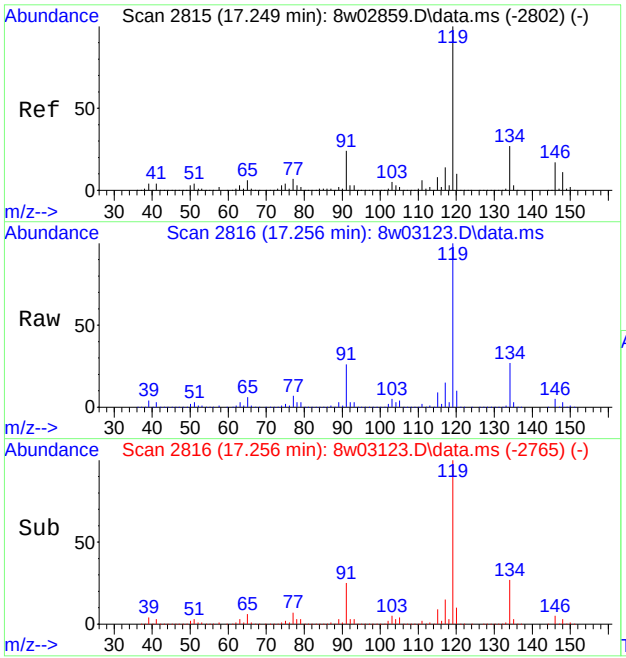


#102
1,2,3-TRIMETHYLBENZENE
Concen: 37.99 PPBV
RT: 17.195 min Scan# 2806
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:105 Resp: 2840468

Ion	Ratio	Lower	Upper
105	100		
120	40.8	32.6	49.0
91	11.1	8.4	12.6

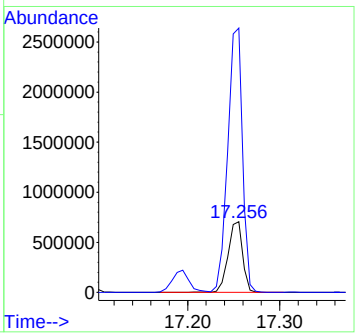


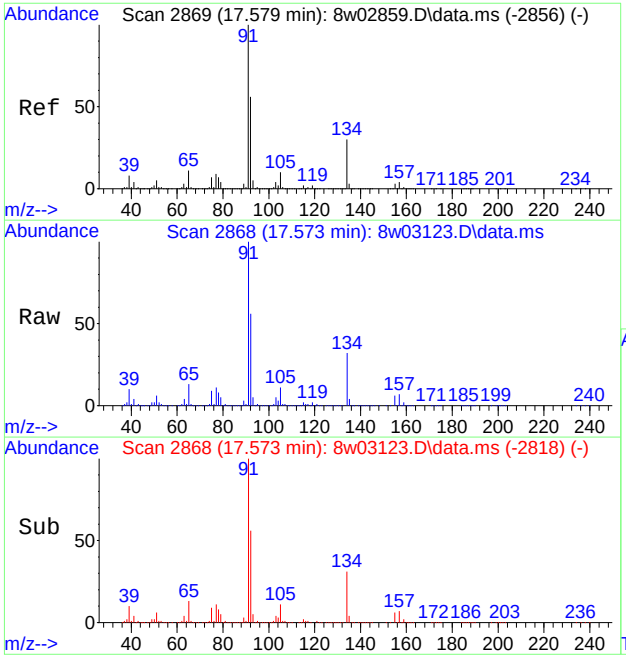


#103
P-ISOPROPYLTOLUENE
Concen: 34.98 PPBV
RT: 17.256 min Scan# 2816
Delta R.T. 0.012 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:134 Resp: 773792

Ion	Ratio	Lower	Upper
134	100		
119	380.8	316.6	474.8

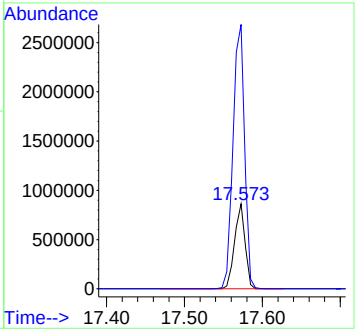


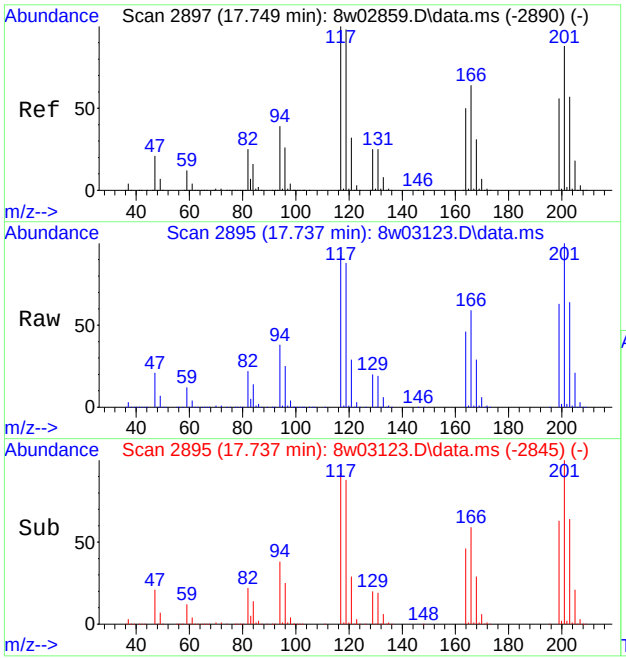


#104
N-BUTYLBENZENE
Concen: 36.89 PPBV
RT: 17.573 min Scan# 2868
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:134 Resp: 805010

Ion	Ratio	Lower	Upper
134	100		
91	343.5	305.3	457.9

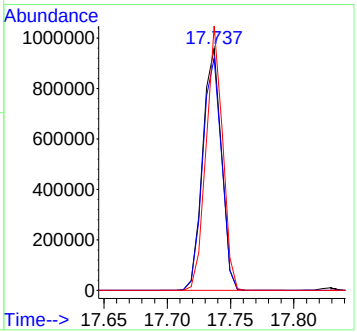


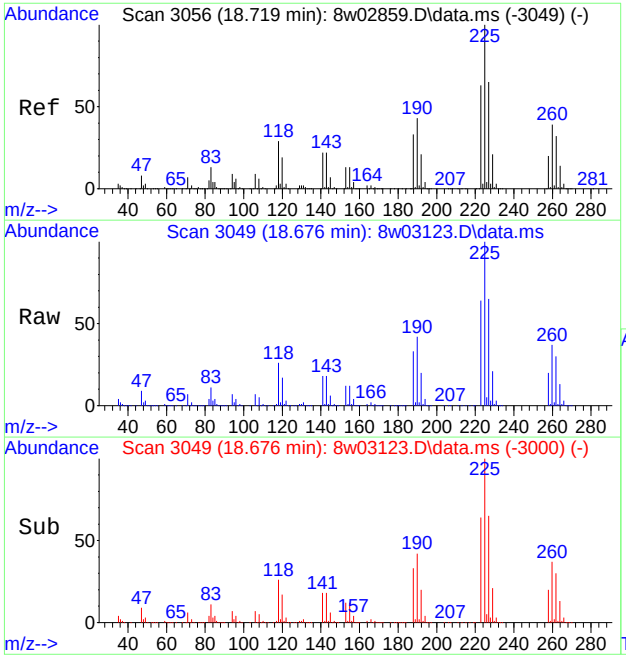


#105
HEXACHLOROETHANE
Concen: 39.78 PPBV
RT: 17.737 min Scan# 2895
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:117 Resp: 989387

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.6
201	95.9	64.2	96.2

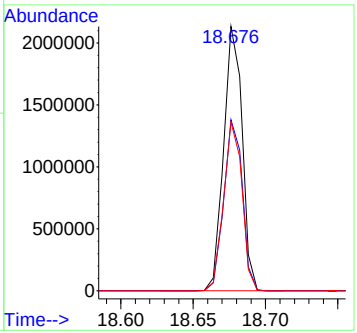


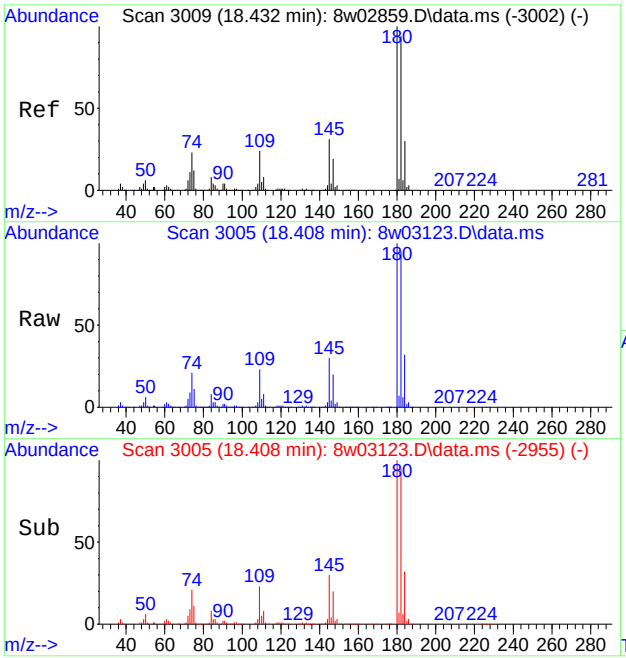


#106
HEXACHLOROBUTADIENE
Concen: 48.99 PPBV
RT: 18.676 min Scan# 3049
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:225 Resp: 1904995

Ion	Ratio	Lower	Upper
225	100		
227	64.7	51.2	76.8
223	63.3	50.2	75.4

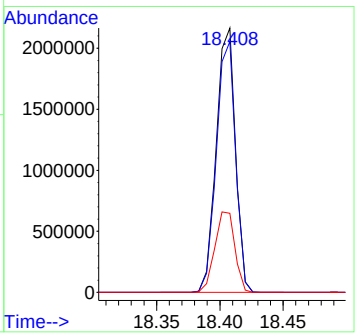


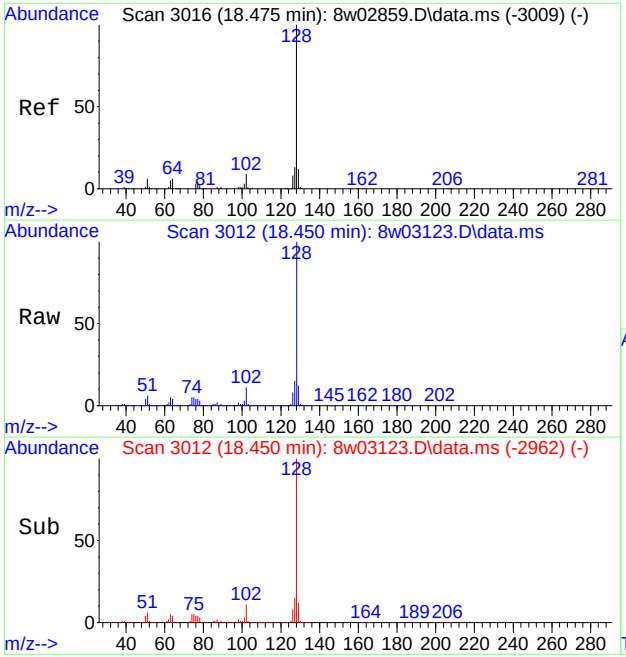


#107
1,2,4-TRICHLOROBENZENE
Concen: 49.73 PPBV
RT: 18.408 min Scan# 3005
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:180 Resp: 2271258

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
145	31.9	26.2	39.2

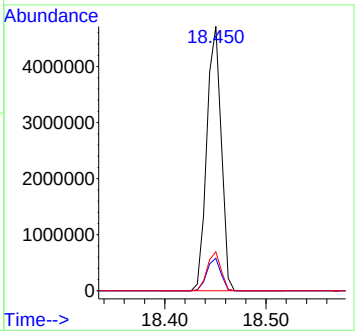


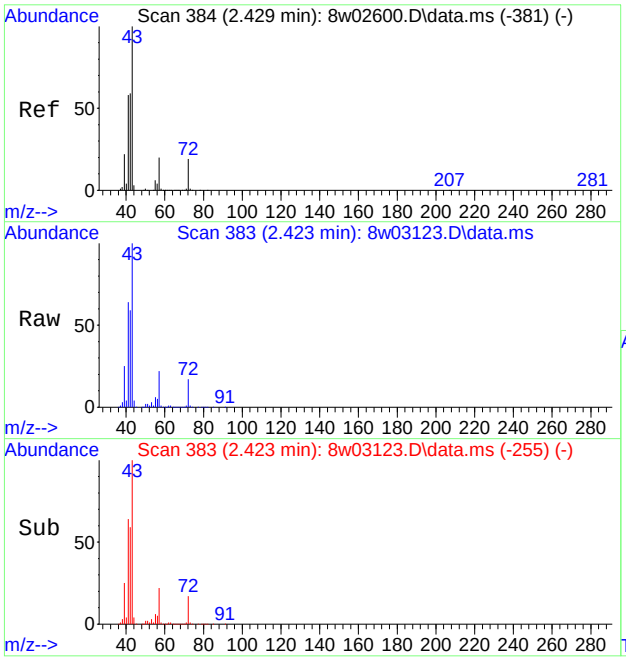


#108
NAPHTHALENE
Concen: 44.80 PPBV
RT: 18.450 min Scan# 3012
Delta R.T. 0.006 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:128 Resp: 4662287

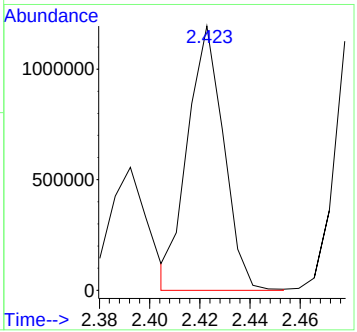
Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	14.1	10.2	15.2





#110
TVHC as equiv Pentane
Concen: 26.48 PPBV m
RT: 2.423 min Scan# 383
Delta R.T. -0.000 min
Lab File: 8w03123.D
Acq: 20 Dec 2023 02:37 am

Tgt Ion:TIC Resp: 1188324



Manual Integration Approval Summary

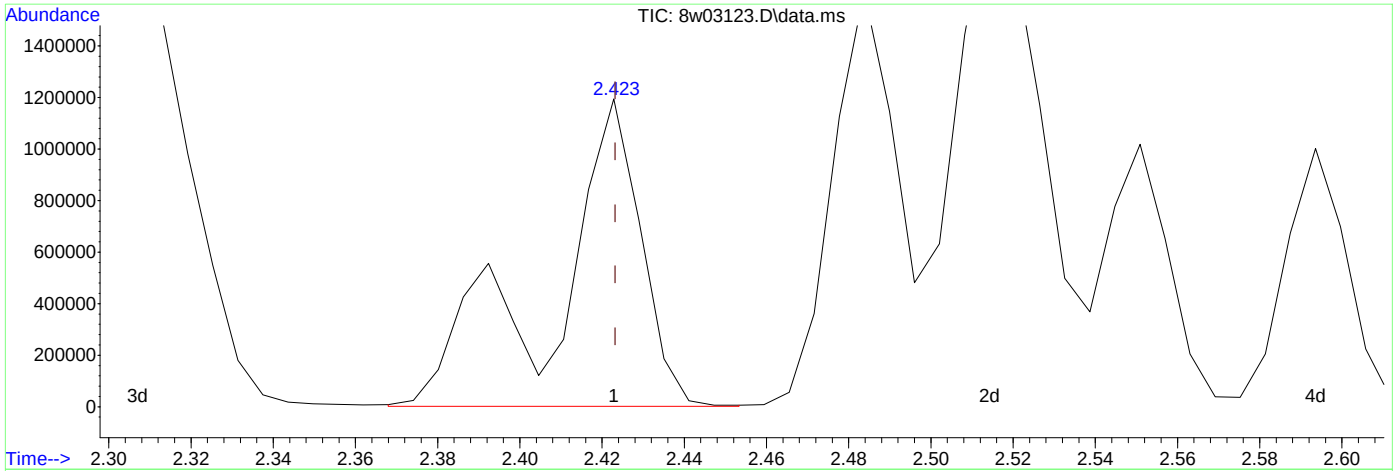
Sample Number:	V8W124-IC0124	**Method:**	TO-15
Lab FileID:	8W03123.D	**Analyst approved:**	12/21/23 10:34 Taylor Sauter
Injection Time:	12/20/23 02:37	**Supervisor approved:**	12/21/23 12:39 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03123.D
Acq On : 20 Dec 2023 02:37 am
Operator : taylors
Sample : ic0124-50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 08:41:29 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03123.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 39.29PPBV

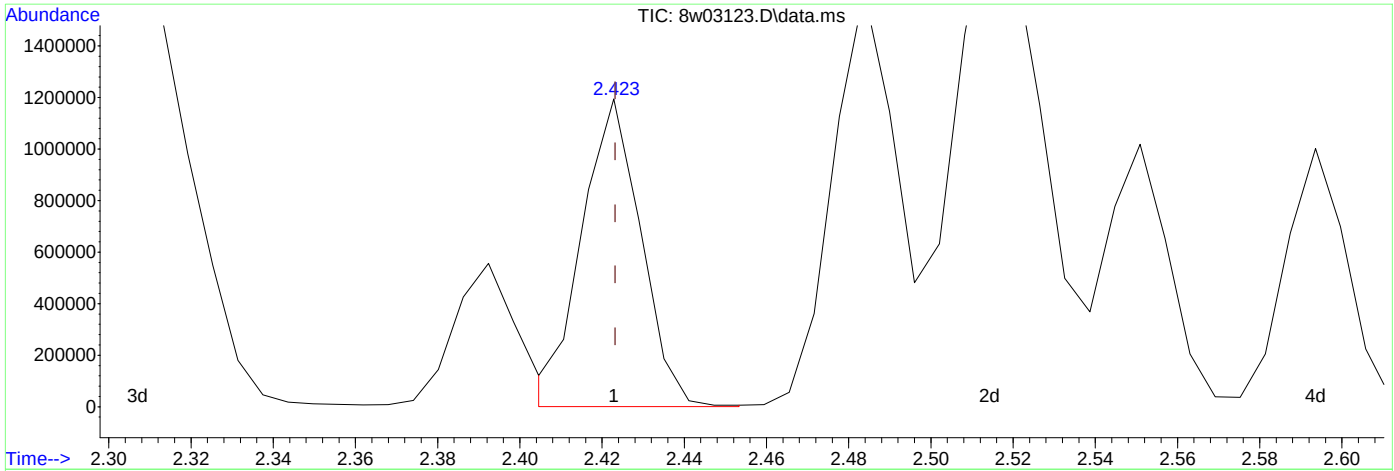
response 1763312

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03123.D
Acq On : 20 Dec 2023 02:37 am
Operator : taylors
Sample : ic0124-50
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 08:41:29 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Dec 20 07:53:52 2023
Response via : Initial Calibration



TIC: 8w03123.D\data.ms

(110) TVHC as equiv Pentane

2.423min (-0.000) 26.48PPBV m

response 1188324

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/21/23 12:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03126.D
Acq On : 20 Dec 2023 04:21 am
Operator : taylors
Sample : icv0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 08:08:18 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	161985	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	795693	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.721	117	764406	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	161985	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.153	95	589291	10.00	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	96625	9.84	PPBV		99
4) CHLORODIFLUOROMETHANE	1.753	67	41912	10.41	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.765	116	204743	11.07	PPBV		94
6) DICHLORODIFLUOROMETHANE	1.783	85	333463	10.94	PPBV		100
7) PROPYLENE	1.759	41	88205	10.34	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	228830	11.04	PPBV	#	99
9) FREON 114	1.856	85	248543	10.62	PPBV		99
10) CHLOROMETHANE	1.826	52	16890	10.24	PPBV		99
11) VINYL CHLORIDE	1.893	62	75337	10.24	PPBV		99
12) 1,3-BUTADIENE	1.929	54	51227	10.17	PPBV		99
13) N-BUTANE	1.948	43	83160	9.80	PPBV		99
14) BROMOMETHANE	2.009	94	79659	10.17	PPBV		99
15) CHLOROETHANE	2.064	64	41693	10.23	PPBV		98
16) DICHLOROFLUOROMETHANE	2.088	67	193569	9.86	PPBV		100
17) ACETONITRILE	2.161	41	44580	9.45	PPBV		99
18) ACROLEIN	2.198	56	29512	8.89	PPBV		98
19) FREON 123	2.216	83	210403	10.71	PPBV		98
20) FREON 123A	2.234	117	148163	11.47	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.301	101	302262	10.52	PPBV		99
22) ISOPROPYL ALCOHOL	2.320	45	139614	10.44	PPBV		100
23) ACETONE	2.240	58	36786	10.09	PPBV		98
24) PENTANE	2.423	42	57119	10.20	PPBV		99
25) IODOMETHANE	2.484	142	231374	10.64	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.515	96	85739	10.73	PPBV		97
27) CARBON DISULFIDE	2.655	76	193238	12.36	PPBV	#	100
28) ETHANOL	2.094	45	25484	8.97	PPBV		99
29) BROMOETHENE	2.167	106	85547	10.68	PPBV		99
30) ACRYLONITRILE	2.393	52	46710	9.52	PPBV		99
31) METHYLENE CHLORIDE	2.551	84	71038	10.07	PPBV		98
32) 3-CHLOROPROPENE	2.594	76	36256	10.73	PPBV		97
33) FREON 113	2.655	151	165696	10.32	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.905	96	147614	10.74	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.527	59	165629	9.75	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.027	73	425854	11.49	PPBV		100
37) TETRAHYDROFURAN	3.789	72	68194	10.33	PPBV		97
38) HEXANE	3.533	57	242396	11.24	PPBV		98
39) VINYL ACETATE	3.069	86	40083	11.69	PPBV		93
40) 1,1-DICHLOROETHANE	2.990	63	267401	10.79	PPBV		100
41) METHYL ETHYL KETONE	3.173	72	77435	10.65	PPBV		94
42) CIS-1,2-DICHLOROETHENE	3.393	96	168273	11.23	PPBV		99
43) DIISOPROPYL ETHER	3.539	59	70712	10.40	PPBV		98
44) ETHYL ACETATE	3.545	61	48950	12.20	PPBV		84
45) METHYL ACRYLATE	3.527	55	293379	11.36	PPBV	#	100
46) CHLOROFORM	3.557	83	318874	10.78	PPBV		100
47) 2,4-DIMETHYLPENTANE	4.100	57	306182	11.37	PPBV		100
48) 1,1,1-TRICHLOROETHANE	4.185	97	334216	11.58	PPBV		99
49) CARBON TETRACHLORIDE	4.642	117	326829	11.42	PPBV		99
50) 1,2-DICHLOROETHANE	4.002	62	231793	10.58	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03126.D
Acq On : 20 Dec 2023 04:21 am
Operator : taylors
Sample : icv0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 08:08:18 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.520	78	459186	10.79	PPBV	99
53)	CYCLOHEXANE	4.746	84	209410	11.49	PPBV	98
54)	2,3-DIMETHYLPENTANE	5.026	71	104921	10.71	PPBV	96
55)	TRICHLOROETHENE	5.490	95	214612	10.99	PPBV	100
56)	1,2-DICHLOROPROPANE	5.240	63	173403	10.25	PPBV	99
57)	DIBROMOMETHANE	5.197	174	196096	10.26	PPBV	100
58)	ETHYL ACRYLATE	5.368	55	367733	11.77	PPBV	100
59)	BROMODICHLOROMETHANE	5.429	83	338782	11.55	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.593	57	787787	10.87	PPBV	100
61)	1,4-DIOXANE	5.502	88	106100	10.04	PPBV	98
62)	HEPTANE	5.929	43	256221	11.68	PPBV	98
63)	METHYL METHACRYLATE	5.819	69	175696	11.31	PPBV	97
64)	METHYL ISOBUTYL KETONE	6.593	58	163063	11.18	PPBV	97
65)	CIS-1,3-DICHLOROPROPENE	6.483	75	278774	12.77	PPBV	98
66)	TOLUENE	7.758	91	601946	11.73	PPBV	100
67)	1,3-DICHLOROPROPANE	7.819	76	300305	11.75	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	7.203	75	232512	12.35	PPBV	99
69)	1,1,2-TRICHLOROETHANE	7.367	83	173241	11.02	PPBV	99
70)	2-HEXANONE	8.349	58	227374	11.77	PPBV	97
71)	ETHYL METHACRYLATE	8.483	69	296840	12.02	PPBV	99
72)	TETRACHLOROETHENE	9.556	164	248342	11.66	PPBV	100
73)	DIBROMOCHLOROMETHANE	8.319	129	349007	11.99	PPBV	100
74)	1,2-DIBROMOETHANE	8.672	107	326066	11.73	PPBV	100
75)	OCTANE	9.702	43	358266	11.80	PPBV	99
77)	1,1,1,2-TETRACHLOROETHANE	10.812	131	246362	10.92	PPBV	100
78)	CHLOROBENZENE	10.800	112	489782	10.90	PPBV	100
79)	ETHYLBENZENE	11.702	91	823600	11.76	PPBV	100
80)	M,P-XYLENE	12.141	91	1284929	23.55	PPBV	99
81)	O-XYLENE	13.098	91	638672	11.63	PPBV	100
82)	STYRENE	12.879	104	476271	11.68	PPBV	100
83)	NONANE	14.226	43	372501	10.59	PPBV	97
84)	BROMOFORM	11.952	173	321986	11.37	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	13.104	83	440413	10.97	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	13.391	75	354262	10.81	PPBV	100
88)	ISOPROPYLBENZENE	14.634	120	241228	11.03	PPBV	100
89)	BROMOBENZENE	14.506	77	445347	11.12	PPBV	100
90)	2-CHLOROTOLUENE	15.653	126	221124	11.15	PPBV	100
91)	N-PROPYLBENZENE	15.976	120	251555	11.28	PPBV	100
92)	4-ETHYLTOLUENE	16.268	105	923247	12.00	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.402	105	768514	11.83	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.585	118	335467	10.76	PPBV	99
95)	TERT-BUTYLBENZENE	16.823	134	167523	10.88	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.829	105	737005	11.55	PPBV	100
97)	BENZYL CHLORIDE	16.908	91	369430	10.95	PPBV	99
98)	M-DICHLOROBENZENE	16.890	146	488898	10.95	PPBV	100
99)	P-DICHLOROBENZENE	16.963	146	495570	11.07	PPBV	100
100)	O-DICHLOROBENZENE	17.232	146	451289	10.81	PPBV	100
101)	SEC-BUTYLBENZENE	17.079	134	210656	10.92	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	17.183	105	740632	11.27	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.244	134	224618	10.71	PPBV	99
104)	N-BUTYLBENZENE	17.567	134	218448	11.10	PPBV	99
105)	HEXACHLOROETHANE	17.731	117	221618	10.45	PPBV	99
106)	HEXACHLOROBUTADIENE	18.670	225	395008	10.26	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.396	180	461211	11.08	PPBV	100
108)	NAPHTHALENE	18.439	128	1108224	12.21	PPBV	100
110)	TVHC as equiv Pentane	2.423	TIC	314110m	9.55	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03126.D
Acq On : 20 Dec 2023 04:21 am
Operator : taylors
Sample : icv0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 08:08:18 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

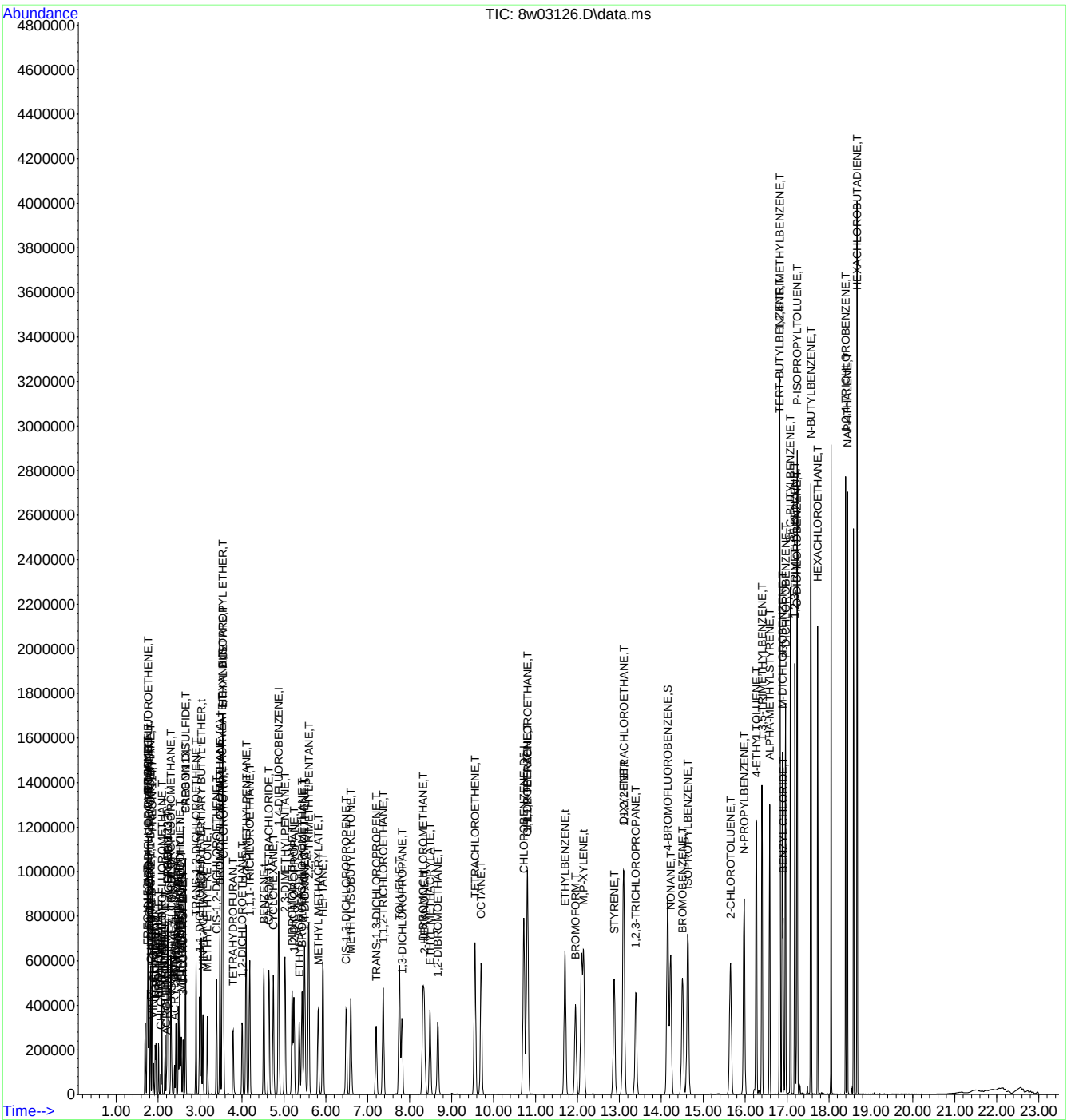
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

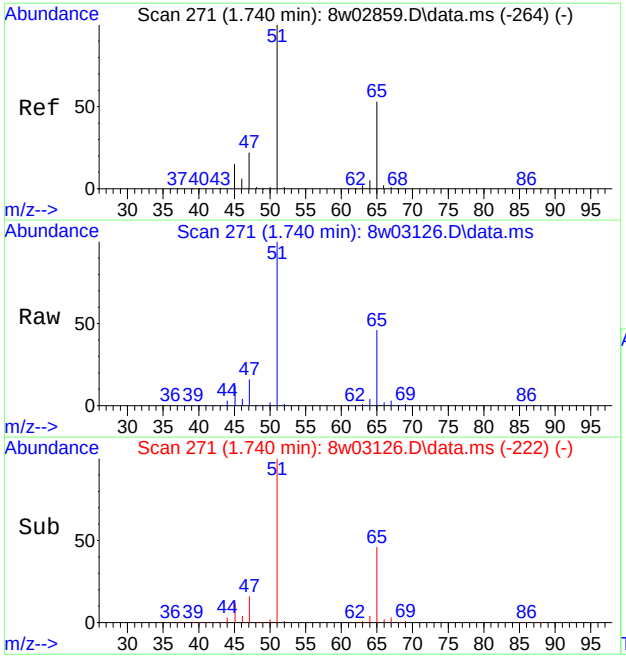
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03126.D
Acq On : 20 Dec 2023 04:21 am
Operator : taylors
Sample : icv0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 08:08:18 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

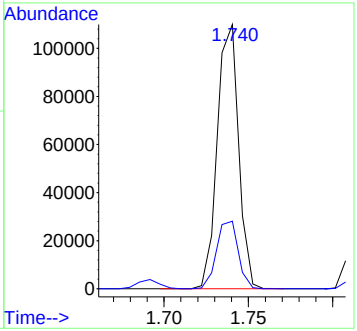


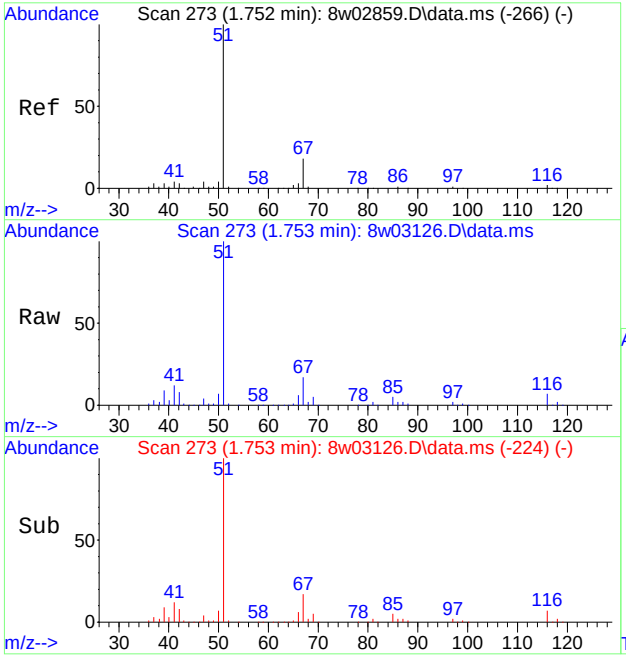


#3
FREON 152A
Concen: 9.84 PPBV
RT: 1.740 min Scan# 271
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 65 Resp: 96625

Ion	Ratio	Lower	Upper
65	100		
45	26.2	21.5	32.3

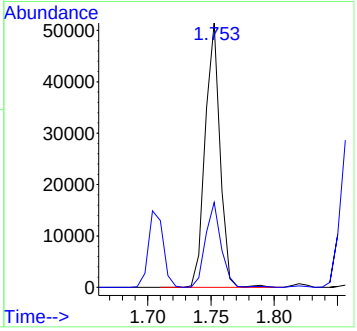


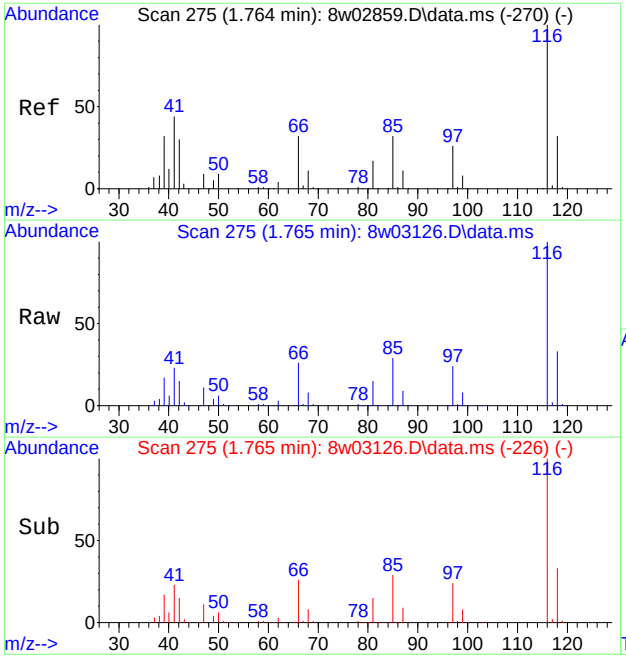


#4
CHLORODIFLUOROMETHANE
Concen: 10.41 PPBV
RT: 1.753 min Scan# 273
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 67 Resp: 41912

Ion	Ratio	Lower	Upper
67	100		
69	34.1	27.3	40.9

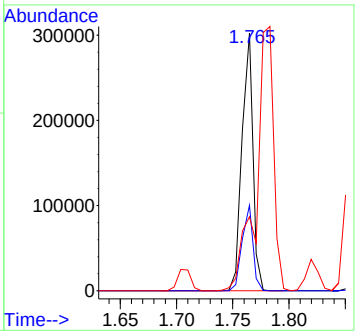


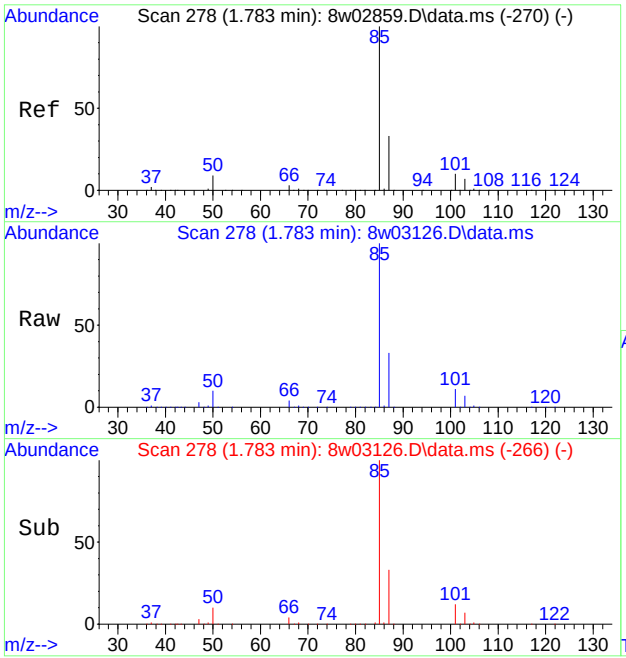


#5
CHLOROTRIFLUOROETHENE
Concen: 11.07 PPBV
RT: 1.765 min Scan# 275
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:116 Resp: 204743

Ion	Ratio	Lower	Upper
116	100		
118	32.9	26.1	39.1
85	162.9	137.4	206.2

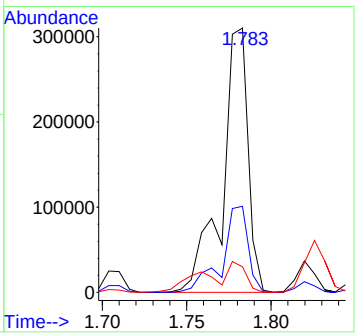


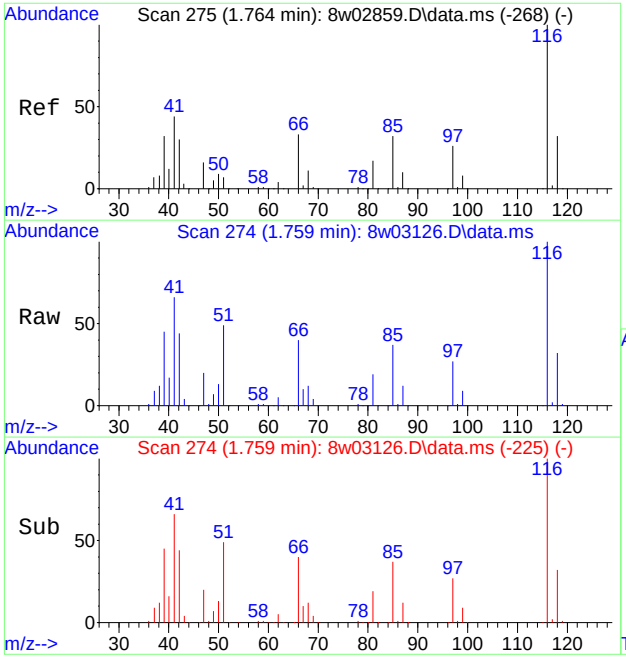


#6
DICHLORODIFLUOROMETHANE
Concen: 10.94 PPBV
RT: 1.783 min Scan# 278
Delta R.T. 0.006 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 85 Resp: 333463

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.3	39.5
50	17.2	13.8	20.6

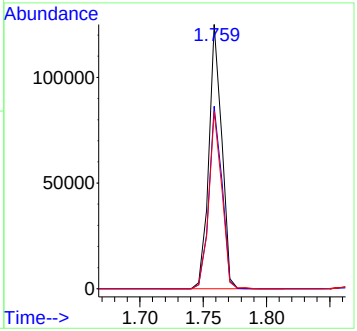


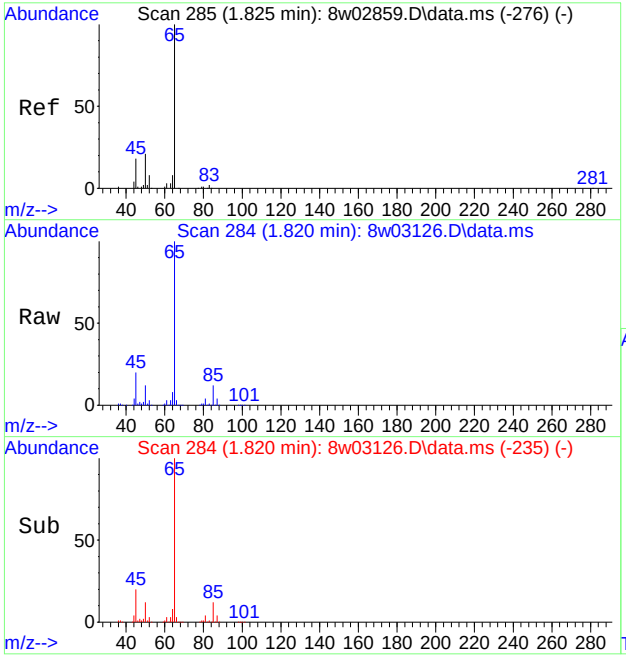


#7
PROPYLENE
Concen: 10.34 PPBV
RT: 1.759 min Scan# 274
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 41 Resp: 88205

Ion	Ratio	Lower	Upper
41	100		
39	70.0	55.8	83.6
42	67.0	53.8	80.6

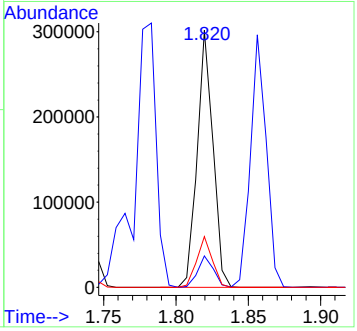


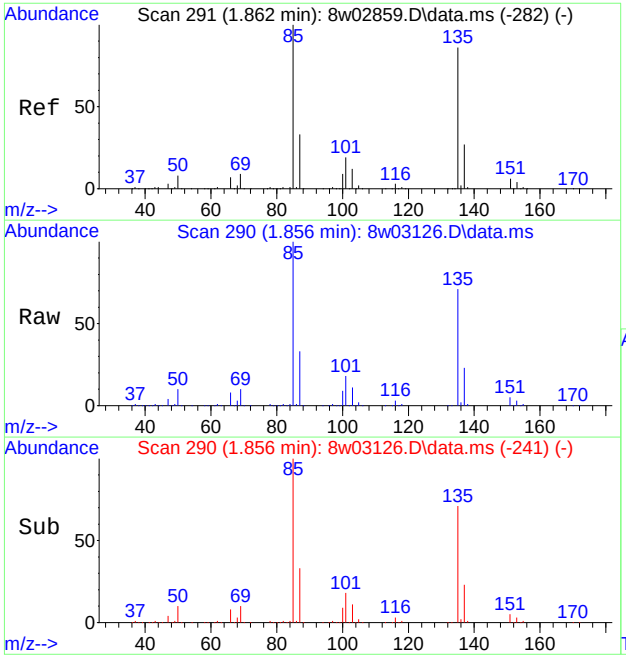


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 11.04 PPBV
RT: 1.820 min Scan# 284
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 65 Resp: 228830

Ion	Ratio	Lower	Upper
65	100		
85	0.0	0.0	0.0
45	19.7	15.9	23.9

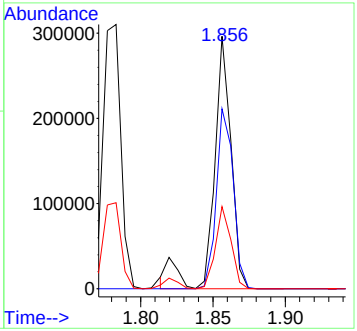


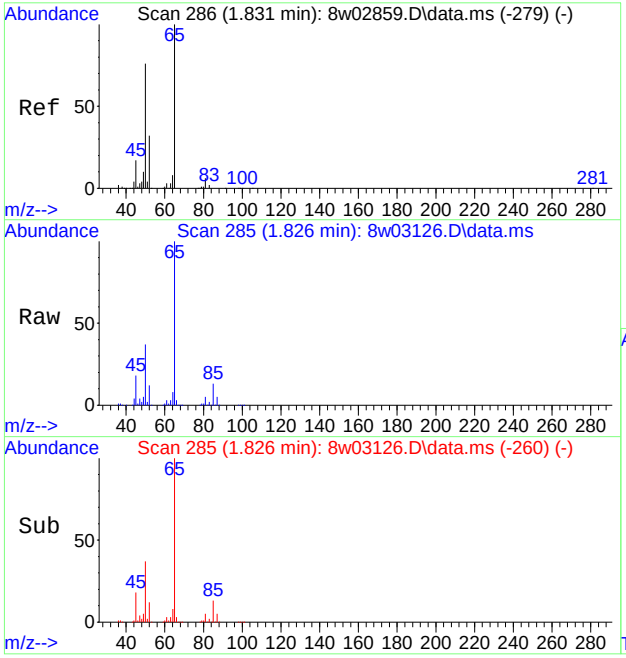


#9
FREON 114
Concen: 10.62 PPBV
RT: 1.856 min Scan# 290
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 85 Resp: 248543

Ion	Ratio	Lower	Upper
85	100		
135	69.5	54.9	82.3
87	32.6	25.8	38.8

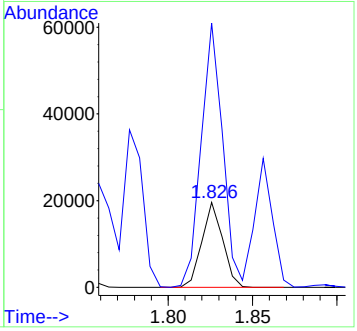


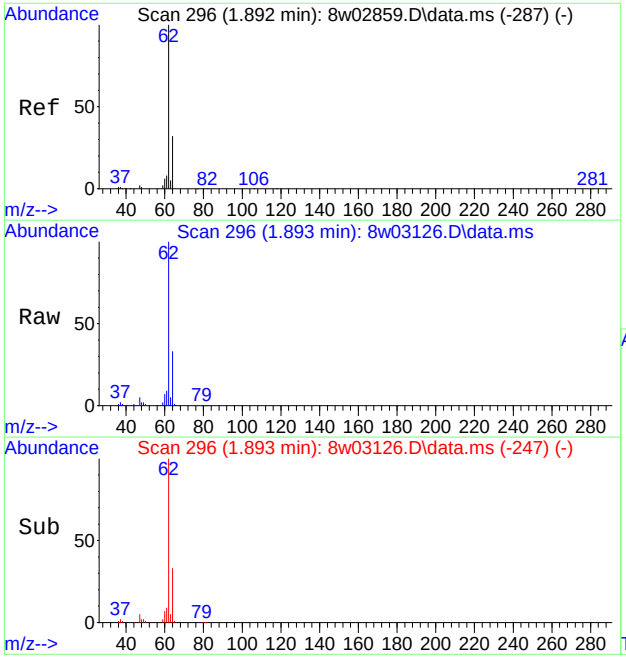


#10
CHLOROMETHANE
Concen: 10.24 PPBV
RT: 1.826 min Scan# 285
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 52 Resp: 16890

Ion	Ratio	Lower	Upper
52	100		
50	450.3	358.1	537.1

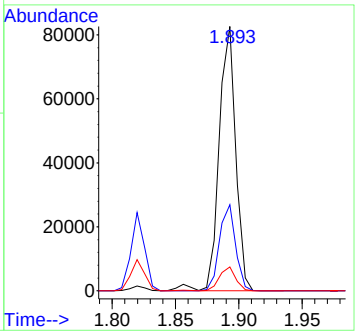


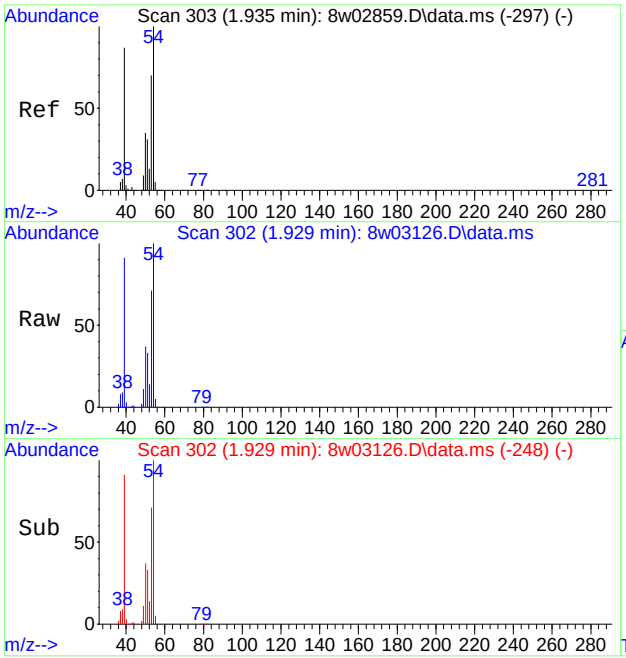


#11
VINYL CHLORIDE
Concen: 10.24 PPBV
RT: 1.893 min Scan# 296
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 62 Resp: 75337

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.9	37.3
61	9.0	7.0	10.4

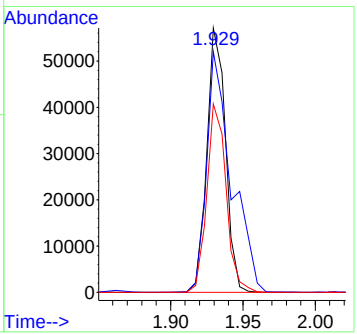


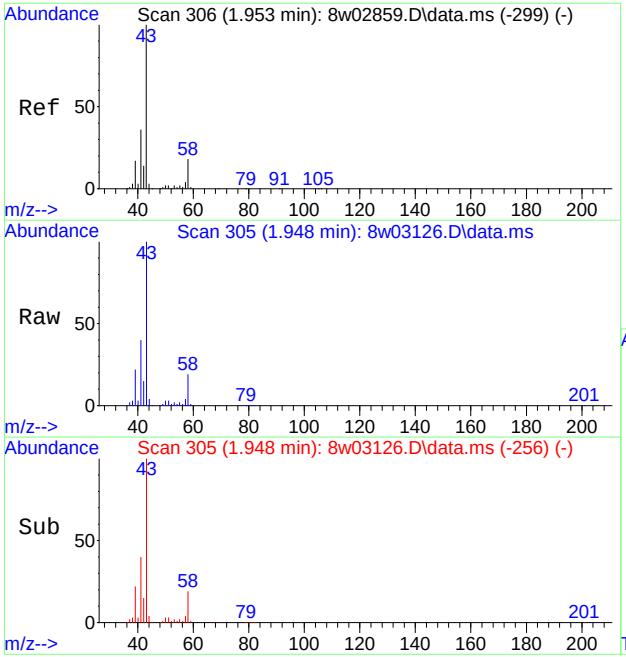


#12
1,3-BUTADIENE
Concen: 10.17 PPBV
RT: 1.929 min Scan# 302
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 54 Resp: 51227

Ion	Ratio	Lower	Upper
54	100		
39	121.7	101.6	141.6
53	73.6	51.8	91.8

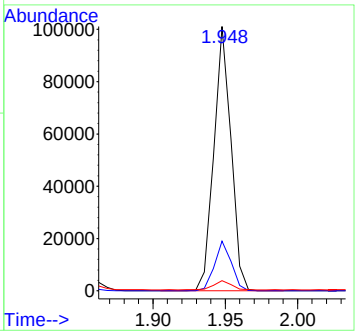


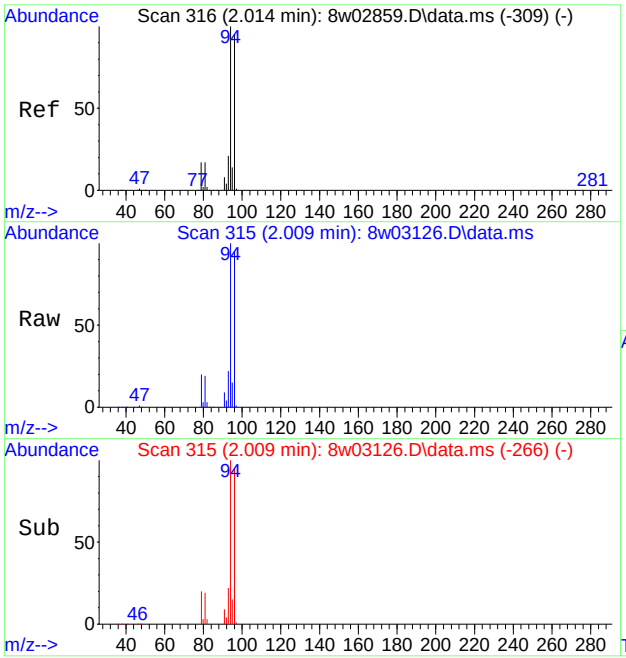


#13
N-BUTANE
Concen: 9.80 PPBV
RT: 1.948 min Scan# 305
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 43 Resp: 83160

Ion	Ratio	Lower	Upper
43	100		
58	18.5	14.2	21.4
44	3.7	2.9	4.3

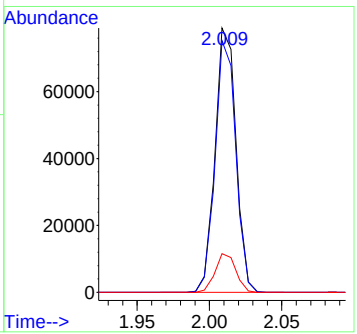


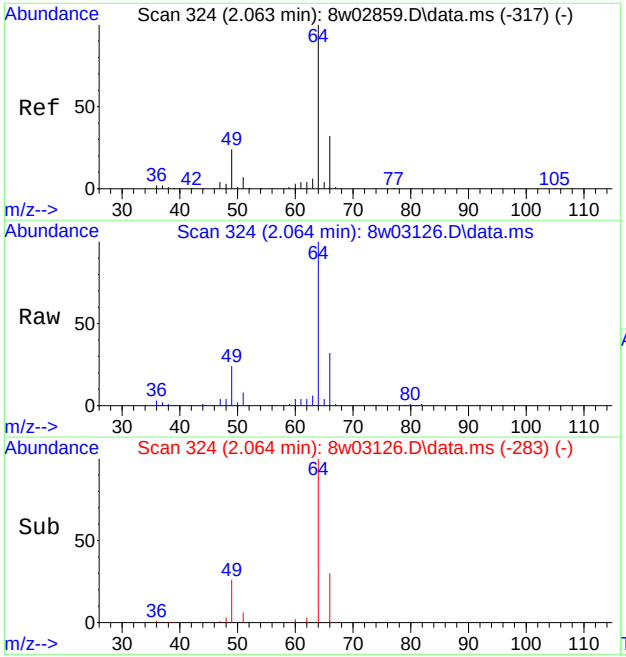


#14
BROMOMETHANE
Concen: 10.17 PPBV
RT: 2.009 min Scan# 315
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 94 Resp: 79659

Ion	Ratio	Lower	Upper
94	100		
96	94.0	76.0	114.0
95	14.5	11.5	17.3

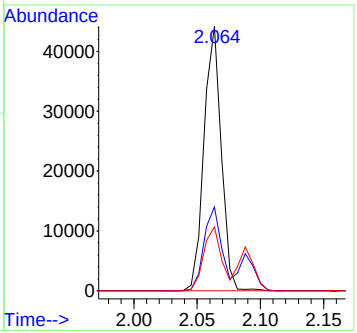


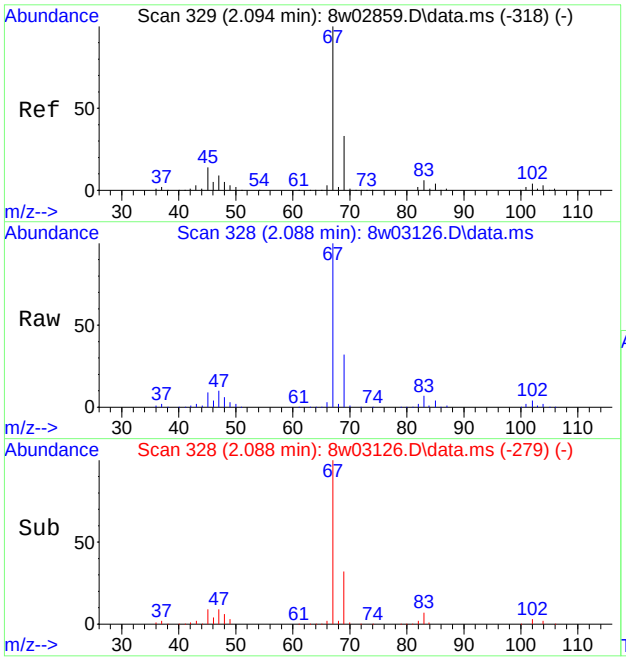


#15
CHLOROETHANE
Concen: 10.23 PPBV
RT: 2.064 min Scan# 324
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 64 Resp: 41693

Ion	Ratio	Lower	Upper
64	100		
66	45.0	36.3	54.5
49	40.3	33.8	50.8

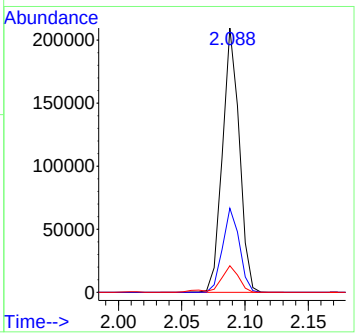


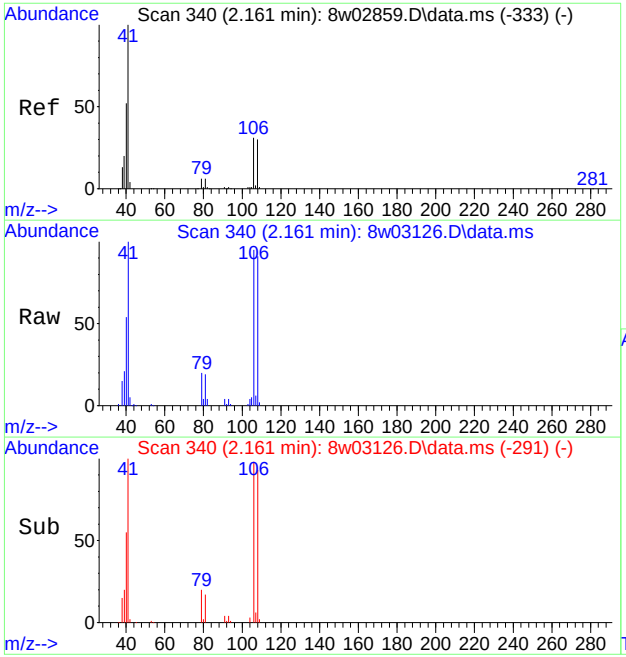


#16
DICHLOROFLUOROMETHANE
Concen: 9.86 PPBV
RT: 2.088 min Scan# 328
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 67 Resp: 193569

Ion	Ratio	Lower	Upper
67	100		
69	31.8	25.7	38.5
47	10.9	8.7	13.1

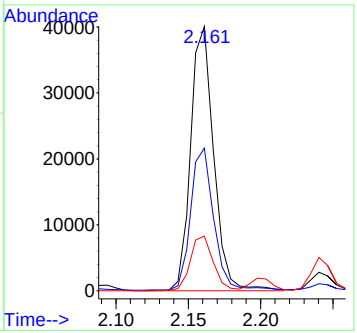


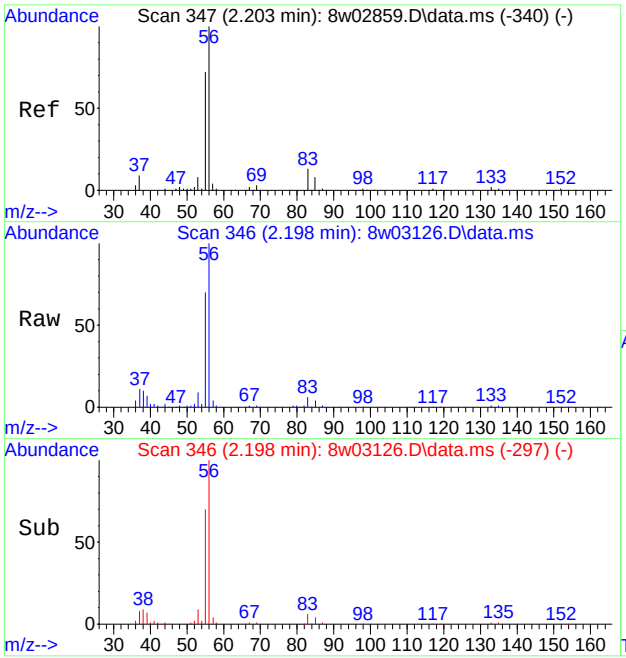


#17
ACETONITRILE
Concen: 9.45 PPBV
RT: 2.161 min Scan# 340
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 41 Resp: 44580

Ion	Ratio	Lower	Upper
41	100		
40	53.7	43.3	64.9
39	21.5	17.8	26.6

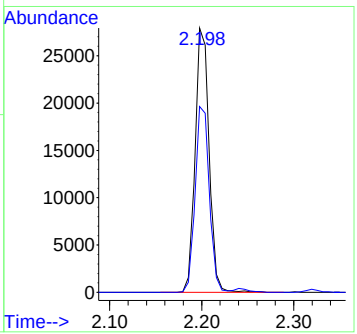


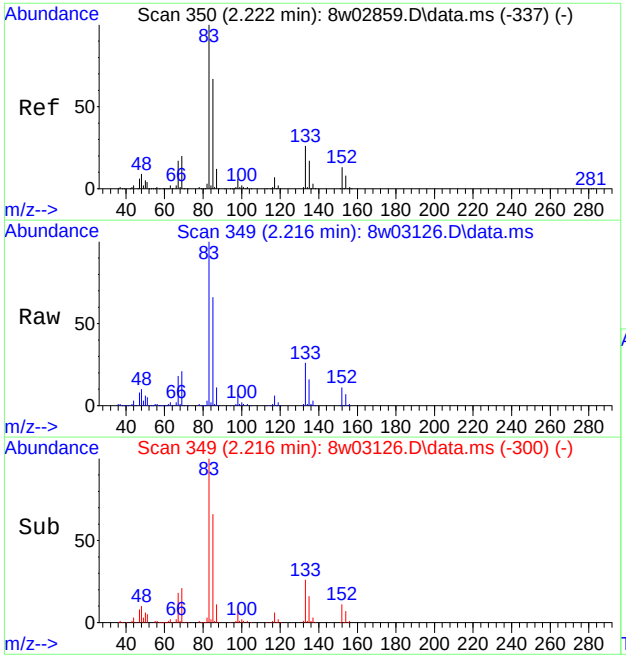


#18
ACROLEIN
Concen: 8.89 PPBV
RT: 2.198 min Scan# 346
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 56 Resp: 29512

Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.2	85.8

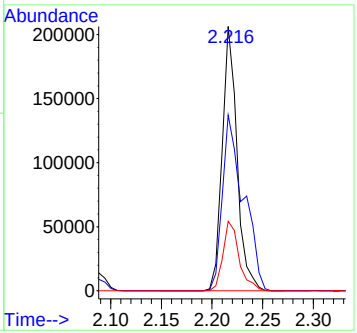


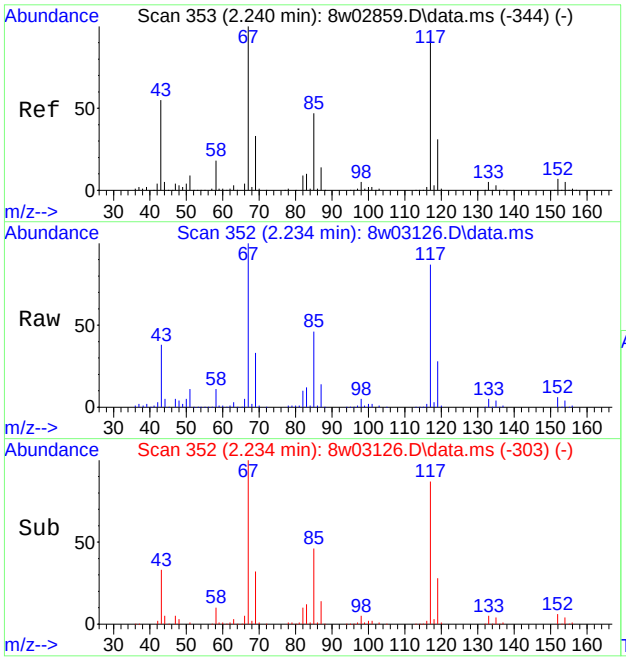


#19
FREON 123
Concen: 10.71 PPBV
RT: 2.216 min Scan# 349
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 83 Resp: 210403

Ion	Ratio	Lower	Upper
83	100		
85	94.7	73.7	110.5
133	28.7	22.6	34.0

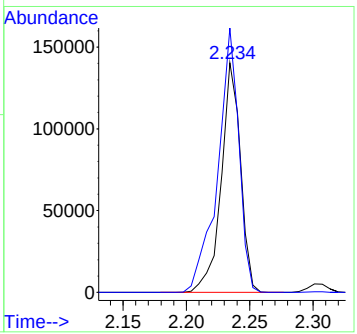


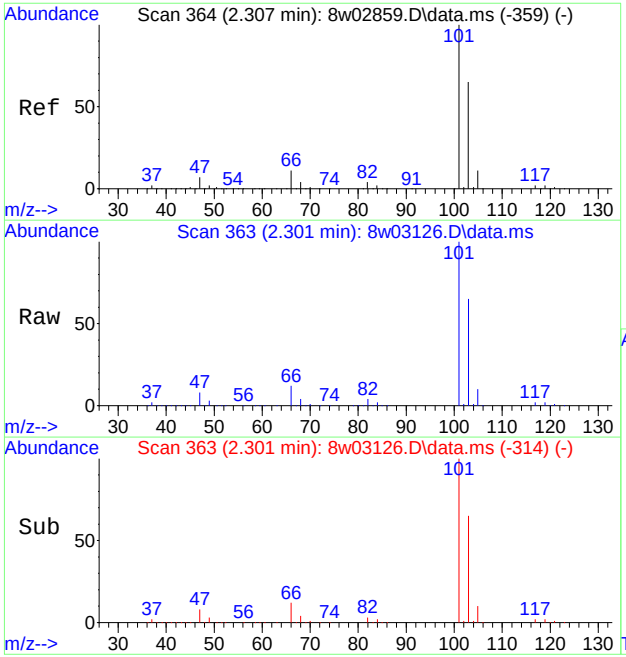


#20
FREON 123A
Concen: 11.47 PPBV
RT: 2.234 min Scan# 352
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:117 Resp: 148163

Ion	Ratio	Lower	Upper
117	100		
67	126.5	103.7	155.5

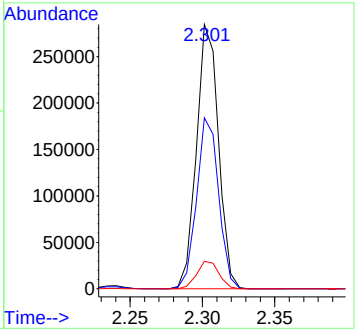


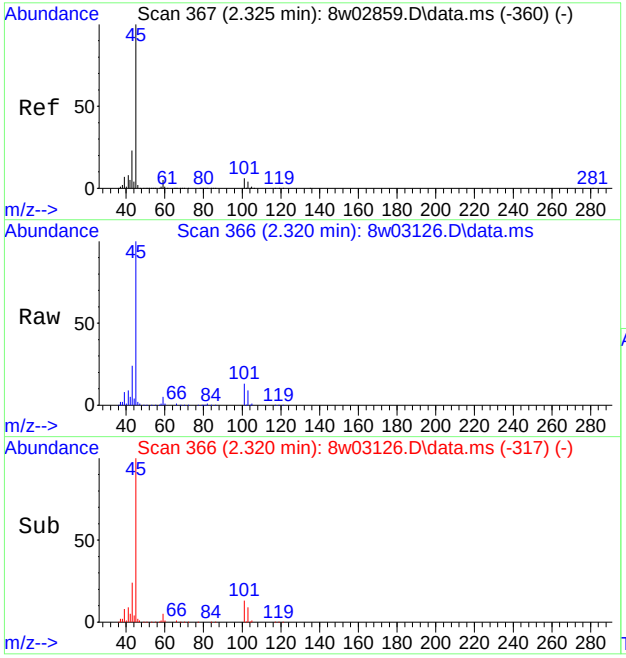


#21
TRICHLOROFLUOROMETHANE
Concen: 10.52 PPBV
RT: 2.301 min Scan# 363
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:101 Resp: 302262

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.0	78.0
105	10.5	8.3	12.5

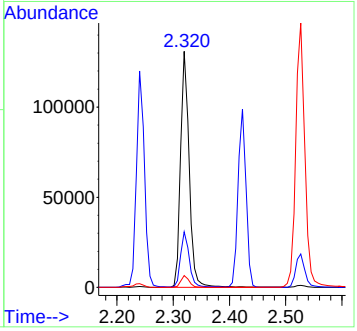


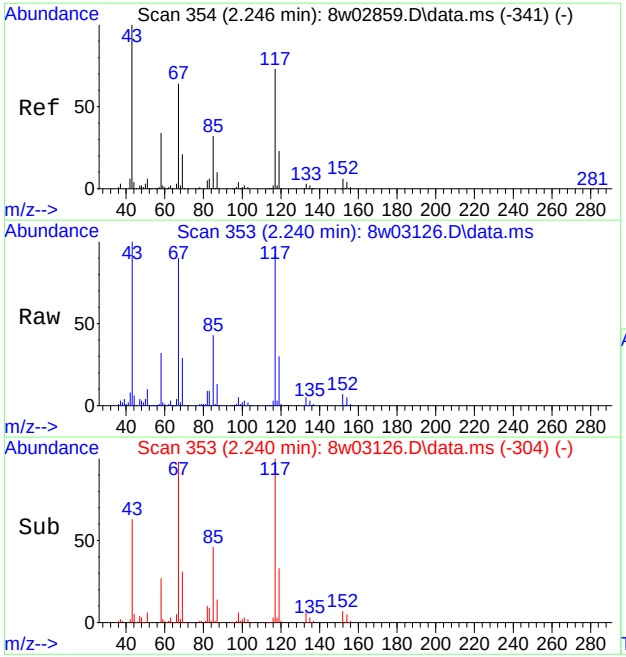


#22
ISOPROPYL ALCOHOL
Concen: 10.44 PPBV
RT: 2.320 min Scan# 366
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 45 Resp: 139614

Ion	Ratio	Lower	Upper
45	100		
43	23.5	18.8	28.2
59	5.0	3.8	5.6

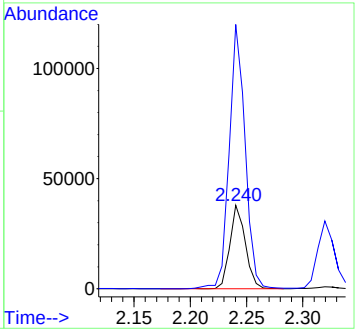


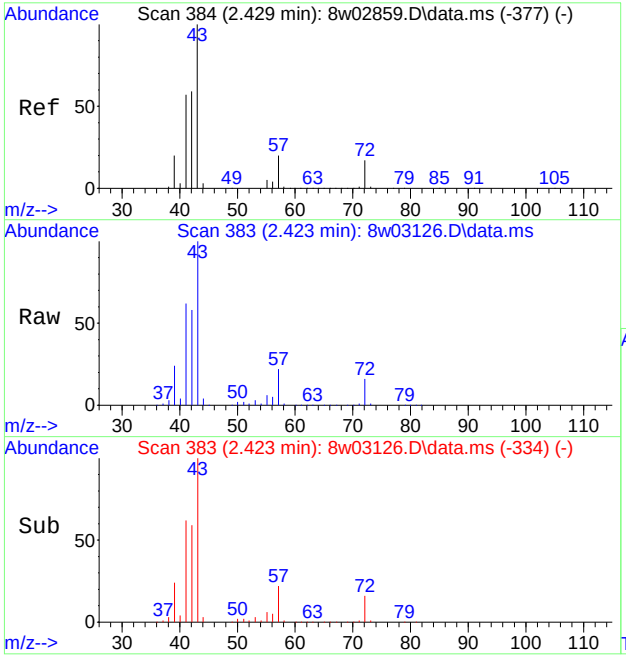


#23
ACETONE
Concen: 10.09 PPBV
RT: 2.240 min Scan# 353
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 58 Resp: 36786

Ion	Ratio	Lower	Upper
58	100		
43	323.0	261.4	392.2

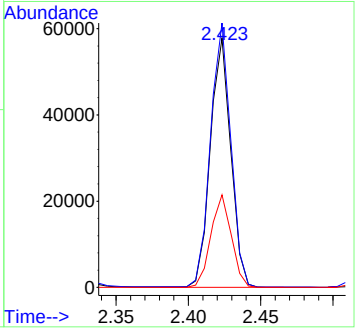


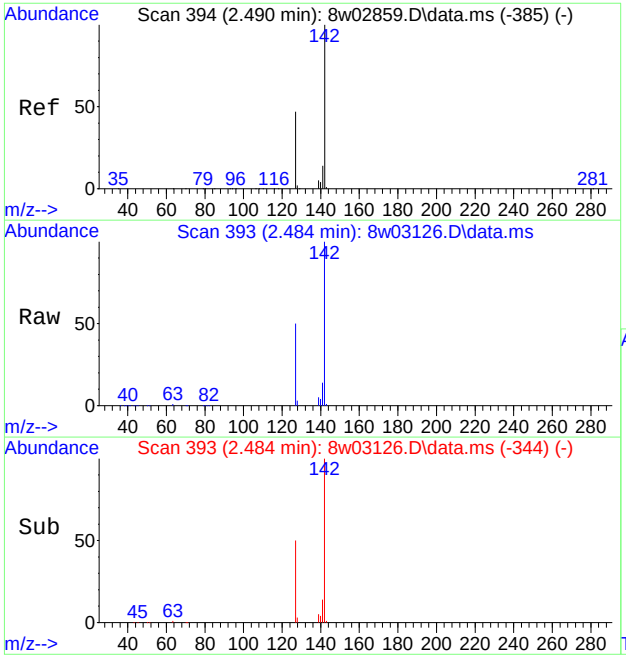


#24
PENTANE
Concen: 10.20 PPBV
RT: 2.423 min Scan# 383
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 42 Resp: 57119

Ion	Ratio	Lower	Upper
42	100		
41	106.2	84.2	126.4
57	37.1	28.9	43.3

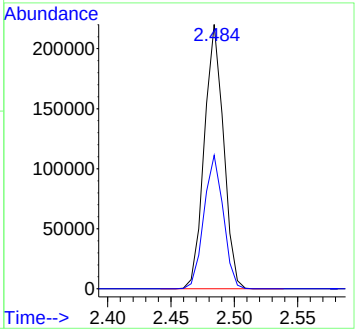


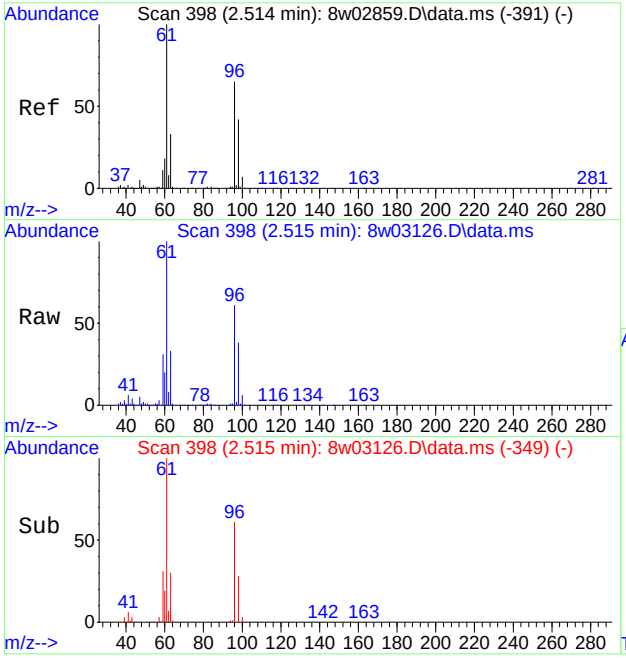


#25
IODOMETHANE
Concen: 10.64 PPBV
RT: 2.484 min Scan# 393
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:142 Resp: 231374

Ion	Ratio	Lower	Upper
142	100		
127	50.9	41.2	61.8

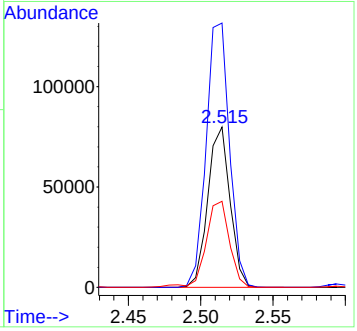


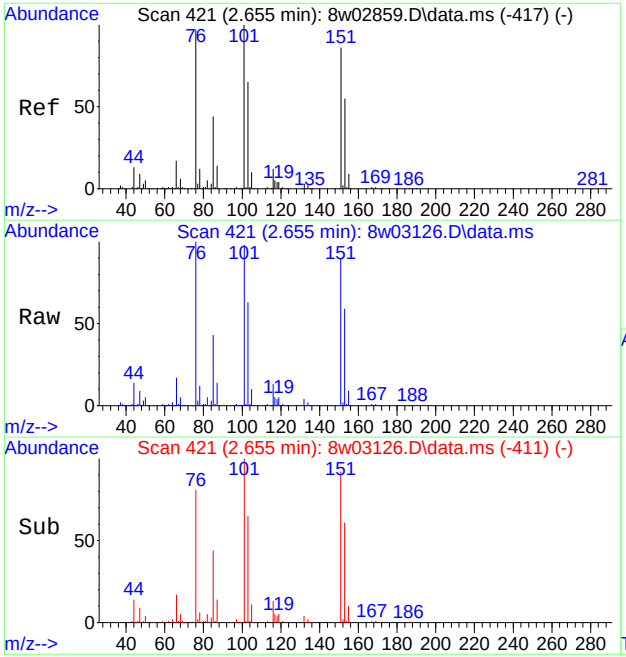


#26
1,1-DICHLOROETHYLENE
Concen: 10.73 PPBV
RT: 2.515 min Scan# 398
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 96 Resp: 85739

Ion	Ratio	Lower	Upper
96	100		
61	172.7	141.9	212.9
63	56.7	47.2	70.8

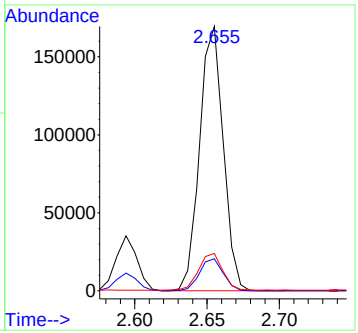


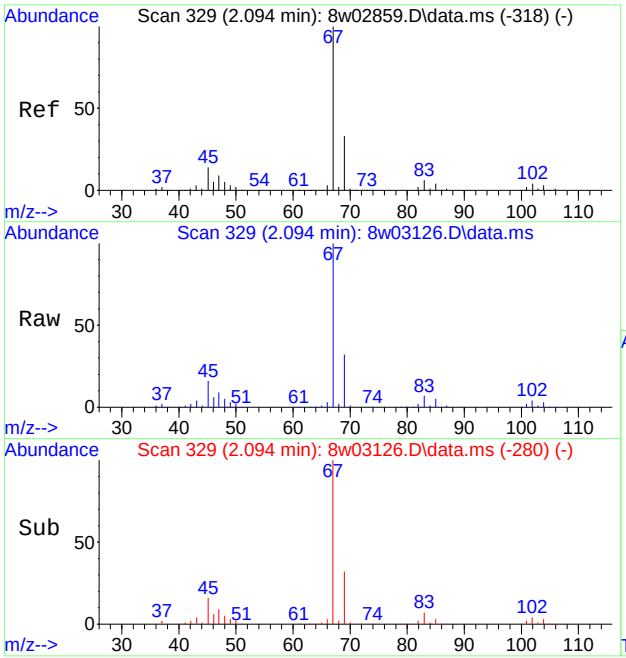


#27
CARBON DISULFIDE
Concen: 12.36 PPBV
RT: 2.655 min Scan# 421
Delta R.T. -0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 76 Resp: 193238

Ion	Ratio	Lower	Upper
76	100		
78	12.1	0.0	0.0#
44	14.0	0.0	0.0#

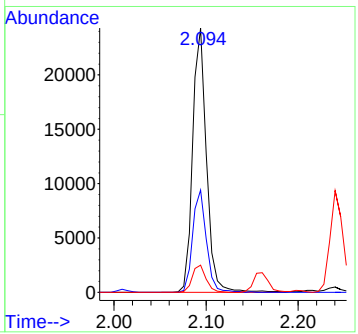


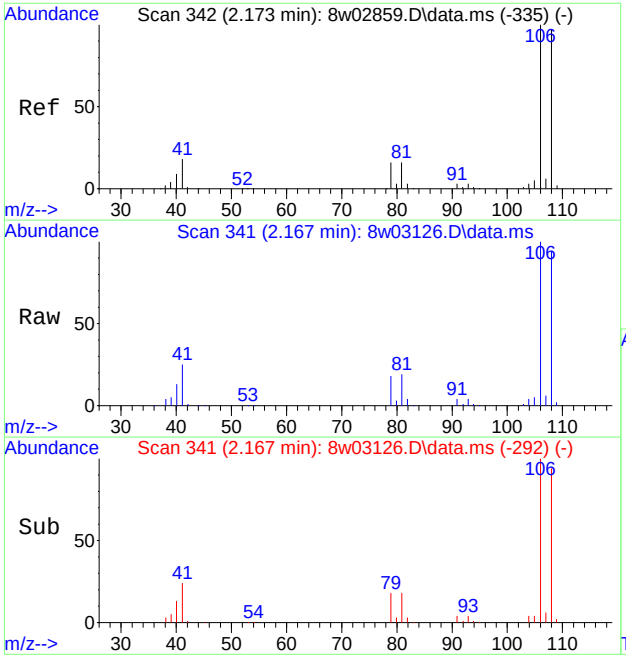


#28
ETHANOL
Concen: 8.97 PPBV
RT: 2.094 min Scan# 329
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 45 Resp: 25484

Ion	Ratio	Lower	Upper
45	100		
46	38.3	30.1	45.1
42	10.3	8.3	12.5

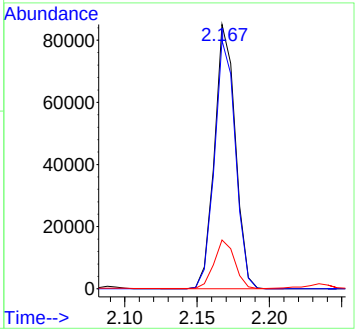


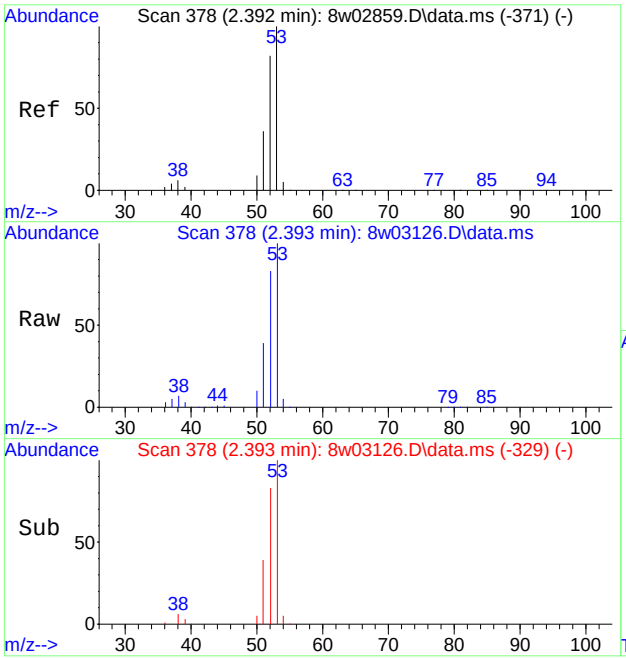


#29
BROMOETHENE
Concen: 10.68 PPBV
RT: 2.167 min Scan# 341
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:106 Resp: 85547

Ion	Ratio	Lower	Upper
106	100		
108	94.4	74.6	111.8
81	18.2	14.5	21.7

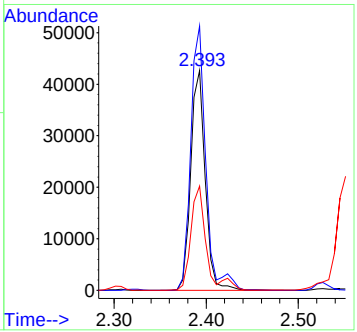


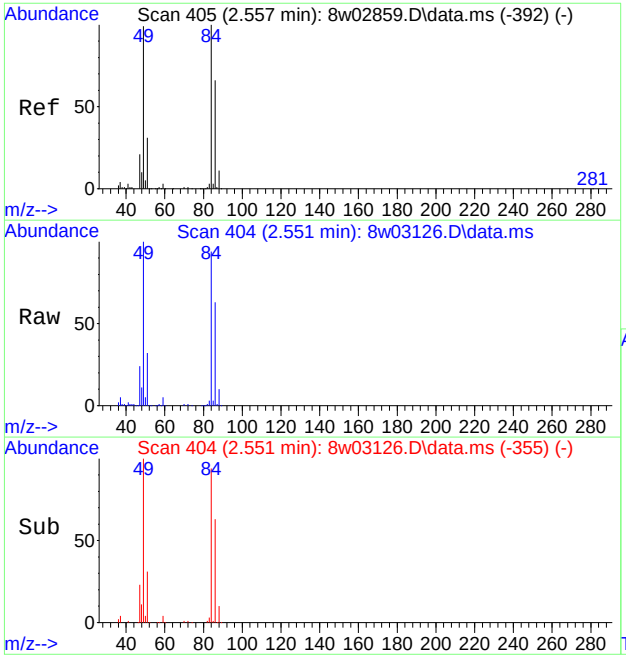


#30
ACRYLONITRILE
Concen: 9.52 PPBV
RT: 2.393 min Scan# 378
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 52 Resp: 46710

Ion	Ratio	Lower	Upper
52	100		
53	125.3	99.6	149.4
51	51.3	40.1	60.1

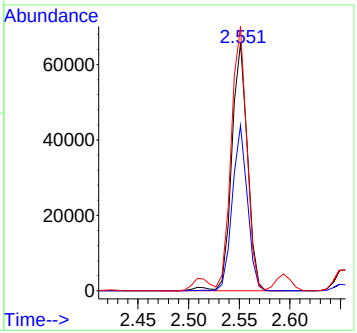


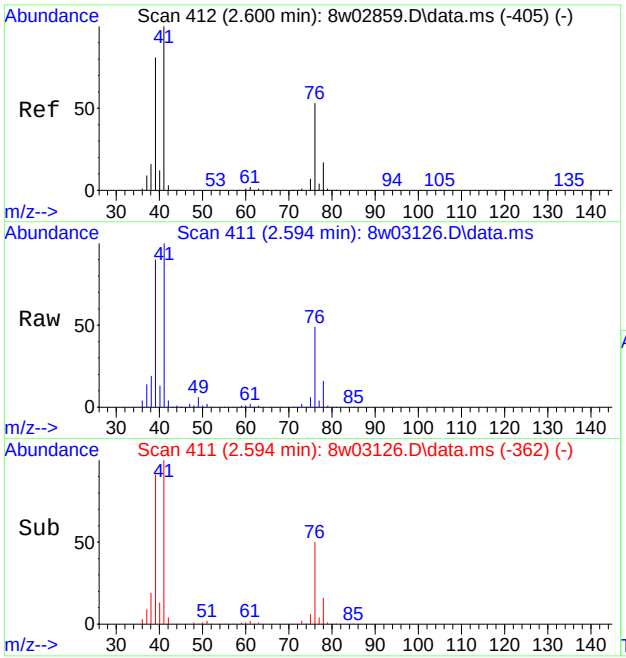


#31
METHYLENE CHLORIDE
Concen: 10.07 PPBV
RT: 2.551 min Scan# 404
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 84 Resp: 71038

Ion	Ratio	Lower	Upper
84	100		
86	64.1	51.0	76.4
49	112.2	92.1	138.1

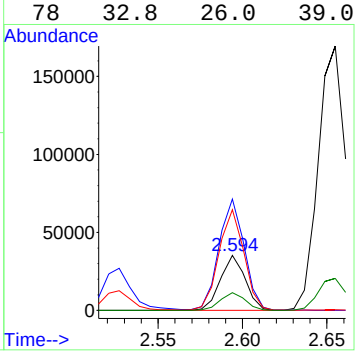


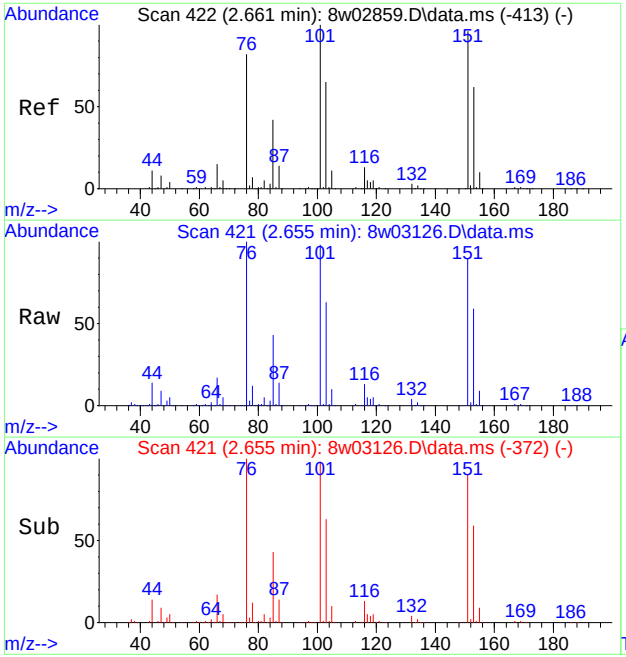


#32
3-CHLOROPROPENE
Concen: 10.73 PPBV
RT: 2.594 min Scan# 411
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 76 Resp: 36256

Ion	Ratio	Lower	Upper
76	100		
41	207.6	170.6	256.0
39	183.6	151.0	226.4
78	32.8	26.0	39.0

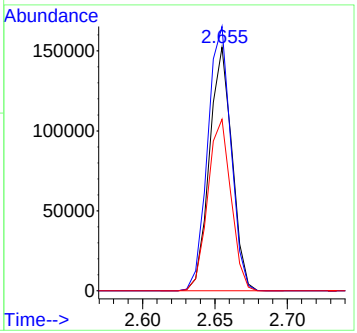


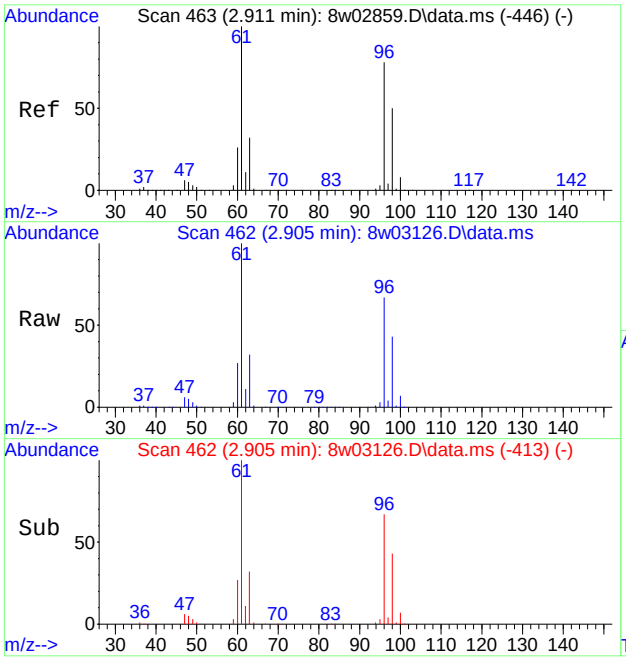


#33
FREON 113
Concen: 10.32 PPBV
RT: 2.655 min Scan# 421
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:151 Resp: 165696

Ion	Ratio	Lower	Upper
151	100		
101	111.9	89.6	134.4
103	72.6	58.4	87.6

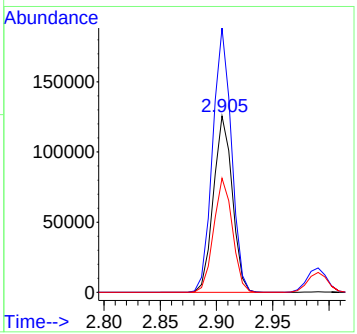


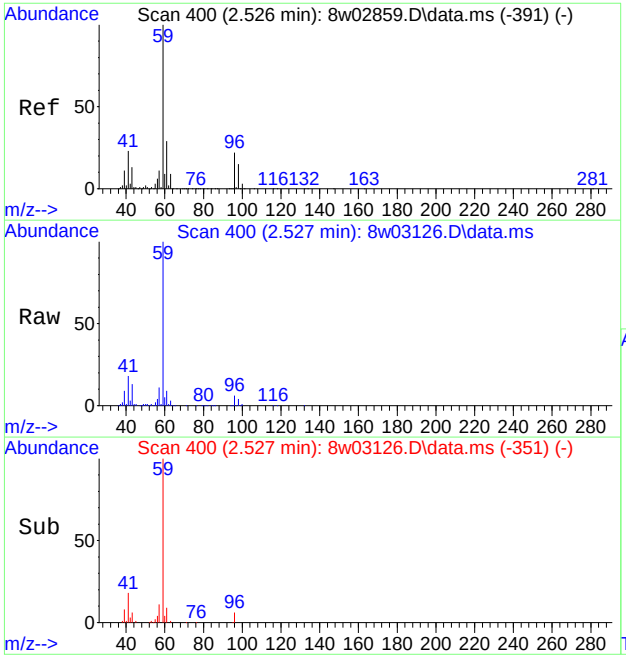


#34
TRANS-1,2-DICHLOROETHENE
Concen: 10.74 PPBV
RT: 2.905 min Scan# 462
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 96 Resp: 147614

Ion	Ratio	Lower	Upper
96	100		
61	148.4	120.8	181.2
98	64.1	51.0	76.4

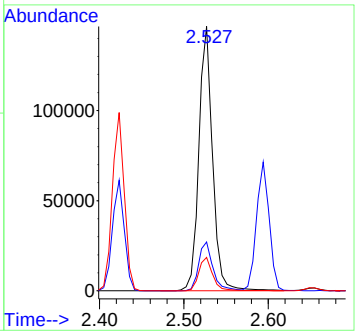


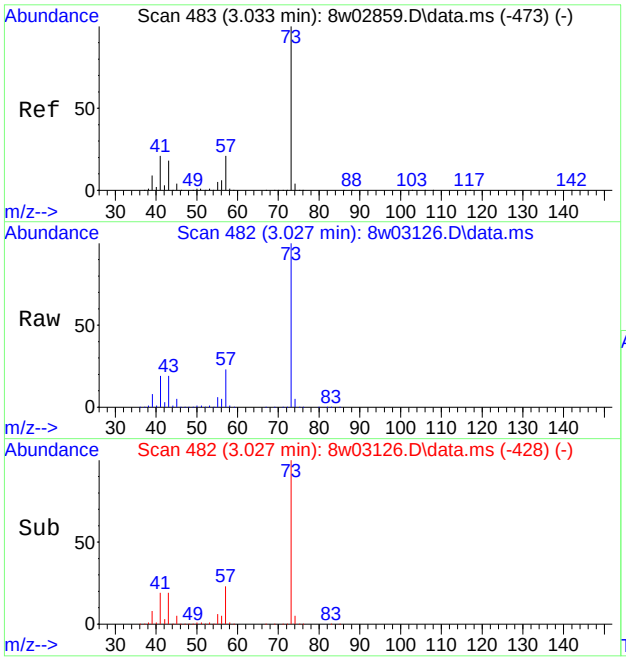


#35
TERTIARY BUTYL ALCOHOL
Concen: 9.75 PPBV
RT: 2.527 min Scan# 400
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 59 Resp: 165629

Ion	Ratio	Lower	Upper
59	100		
41	19.1	16.1	24.1
43	12.7	10.2	15.4

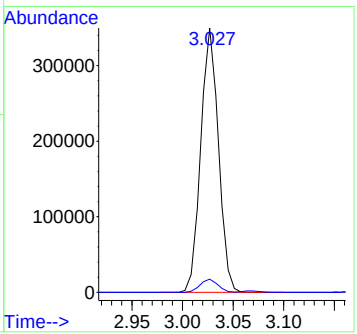


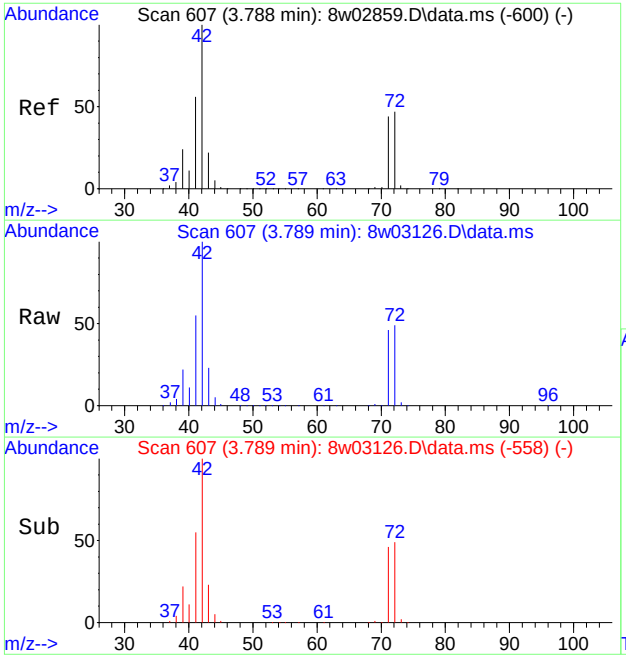


#36
METHYL TERTIARY BUTYL ETHER
Concen: 11.49 PPBV
RT: 3.027 min Scan# 482
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 73 Resp: 425854

Ion	Ratio	Lower	Upper
73	100		
45	5.7	4.7	7.1

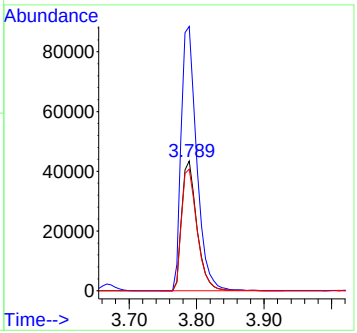


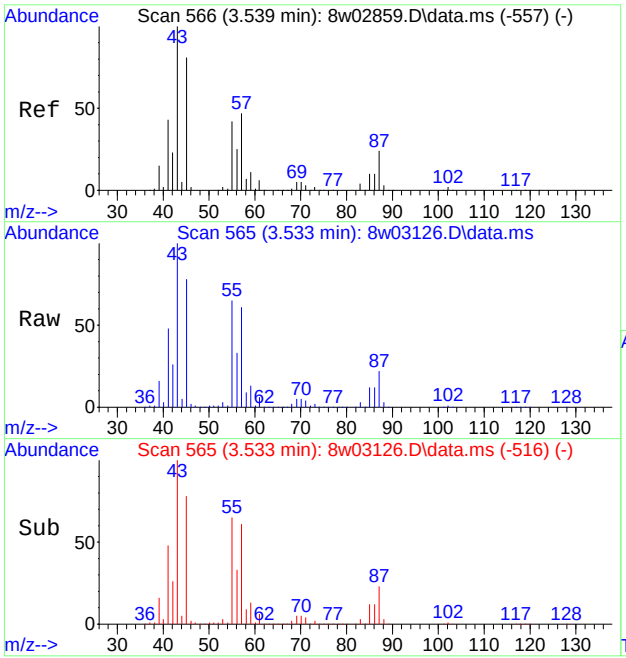


#37
TETRAHYDROFURAN
Concen: 10.33 PPBV
RT: 3.789 min Scan# 607
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 72 Resp: 68194

Ion	Ratio	Lower	Upper
72	100		
42	208.6	170.8	256.2
71	95.8	74.3	111.5

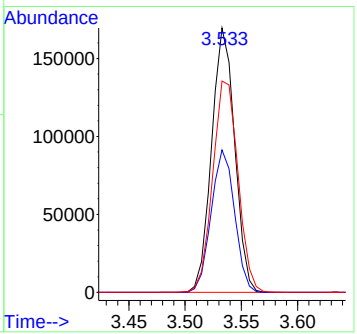


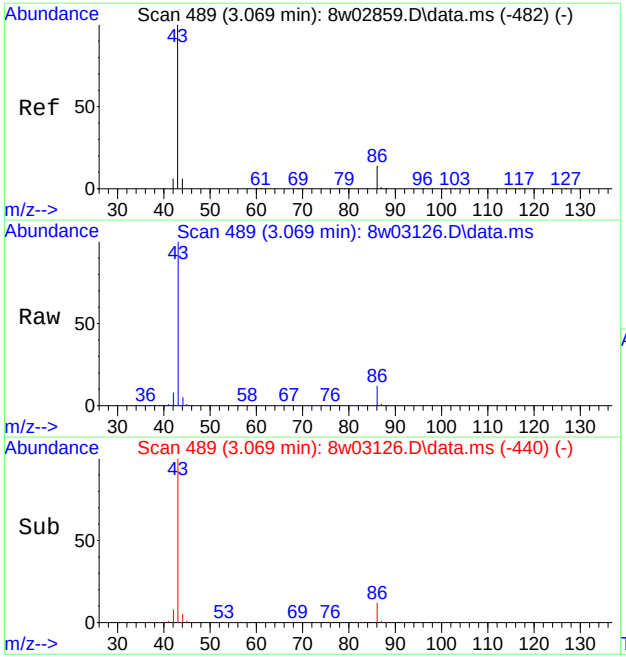


#38
HEXANE
Concen: 11.24 PPBV
RT: 3.533 min Scan# 565
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 57 Resp: 242396

Ion	Ratio	Lower	Upper
57	100		
56	54.6	43.8	65.8
41	87.8	72.2	108.4

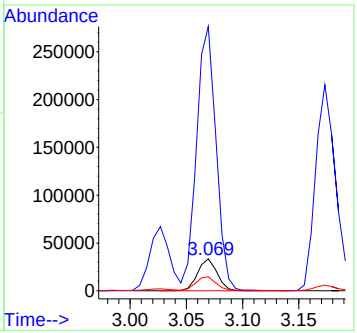


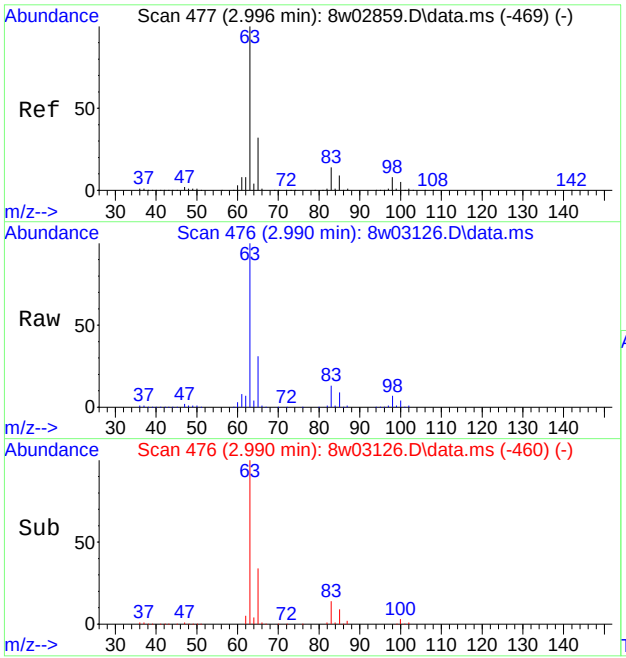


#39
VINYL ACETATE
Concen: 11.69 PPBV
RT: 3.069 min Scan# 489
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 86 Resp: 40083

Ion	Ratio	Lower	Upper
86	100		
43	1041.7	860.3	1290.5
44	52.1	44.2	66.2

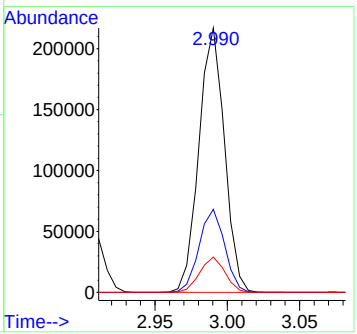


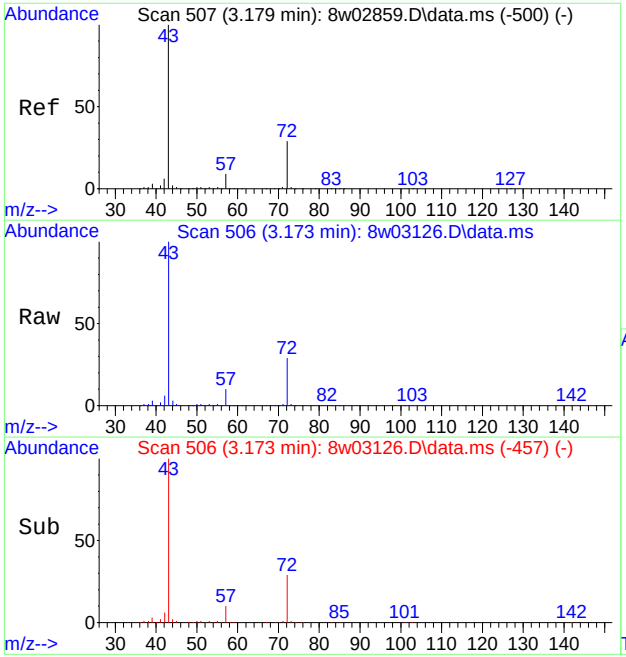


#40
1,1-DICHLOROETHANE
Concen: 10.79 PPBV
RT: 2.990 min Scan# 476
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 63 Resp: 267401

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.4
83	13.4	10.5	15.7

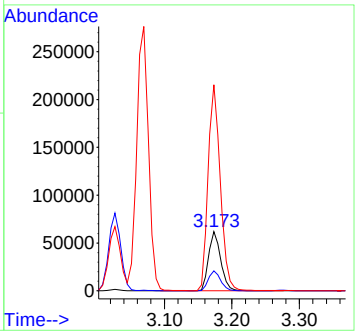


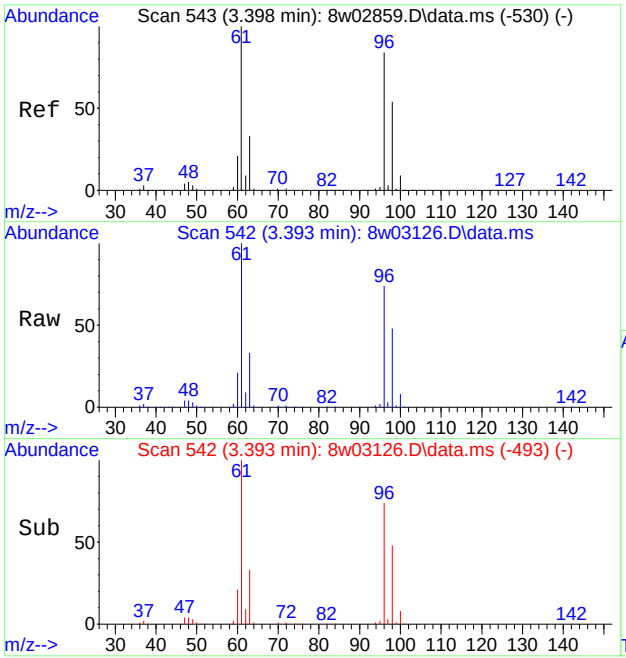


#41
METHYL ETHYL KETONE
Concen: 10.65 PPBV
RT: 3.173 min Scan# 506
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 72 Resp: 77435

Ion	Ratio	Lower	Upper
72	100		
57	34.1	27.8	41.8
43	350.3	292.3	438.5

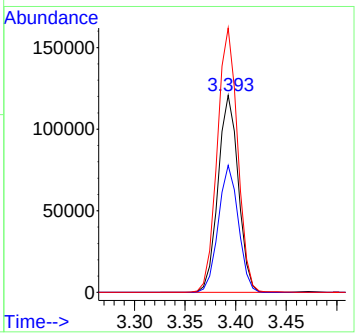


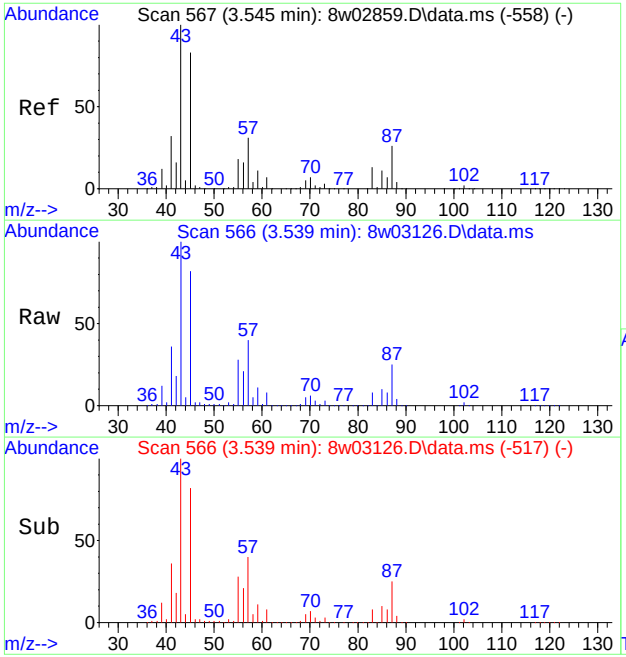


#42
CIS-1,2-DICHLOROETHENE
Concen: 11.23 PPBV
RT: 3.393 min Scan# 542
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 96 Resp: 168273

Ion	Ratio	Lower	Upper
96	100		
98	63.8	50.9	76.3
61	135.4	109.1	163.7

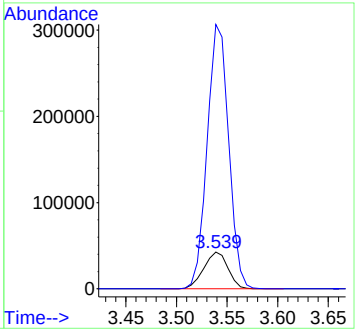


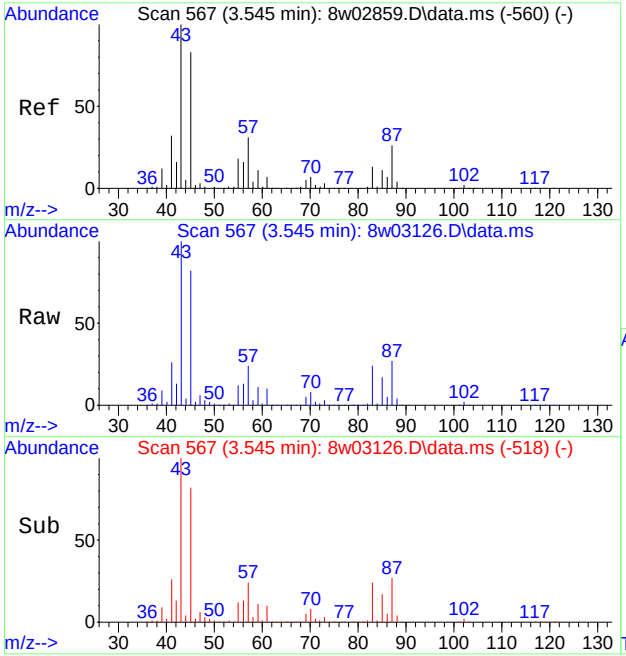


#43
DIISOPROPYL ETHER
Concen: 10.40 PPBV
RT: 3.539 min Scan# 566
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 59 Resp: 70712

Ion	Ratio	Lower	Upper
59	100		
45	641.8	517.9	776.9

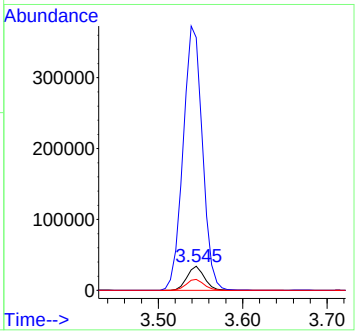


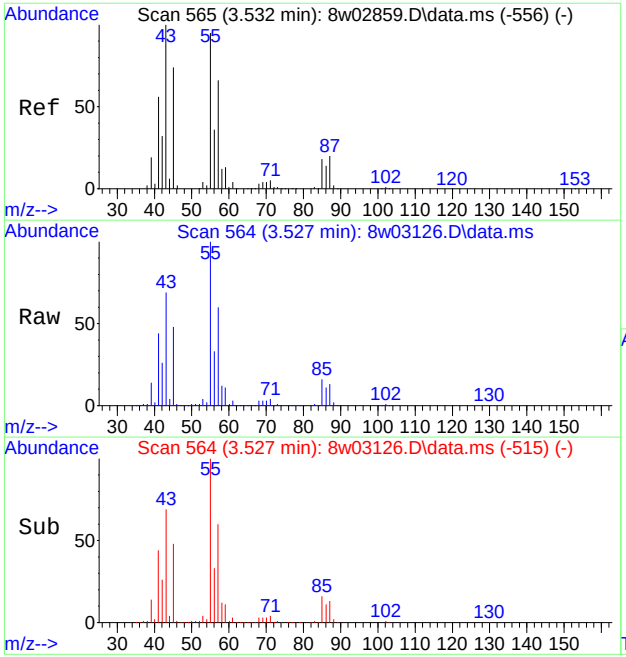


#44
ETHYL ACETATE
Concen: 12.20 PPBV
RT: 3.545 min Scan# 567
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 61 Resp: 48950

Ion	Ratio	Lower	Upper
61	100		
43	1213.4	1039.8	1559.8
88	46.8	37.8	56.8

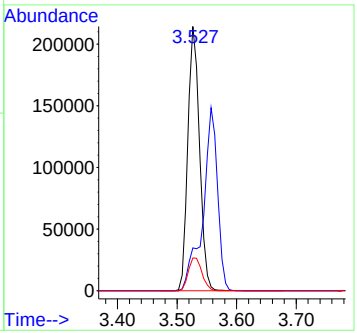


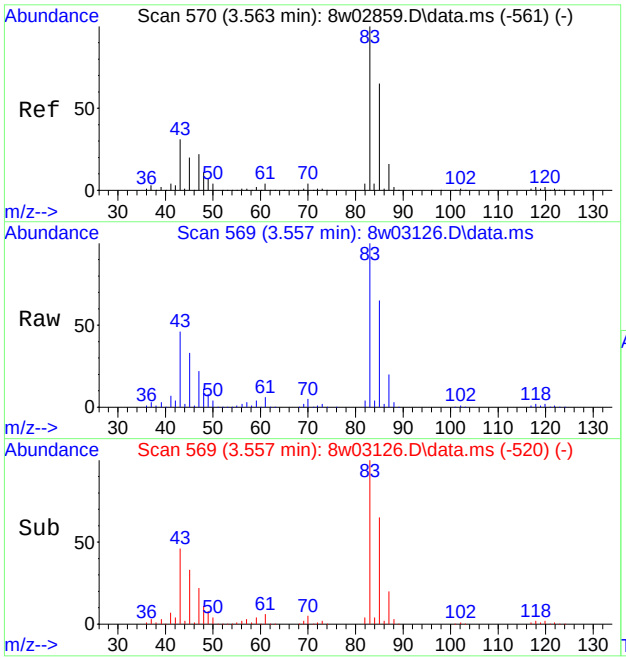


#45
METHYL ACRYLATE
Concen: 11.36 PPBV
RT: 3.527 min Scan# 564
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 55 Resp: 293379

Ion	Ratio	Lower	Upper
55	100		
85	0.0	0.0	0.0
58	14.5	11.5	17.3

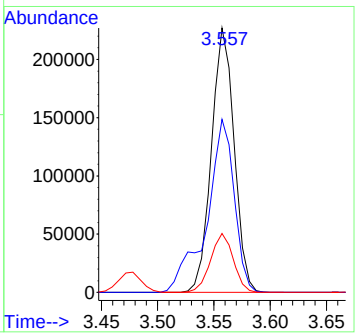


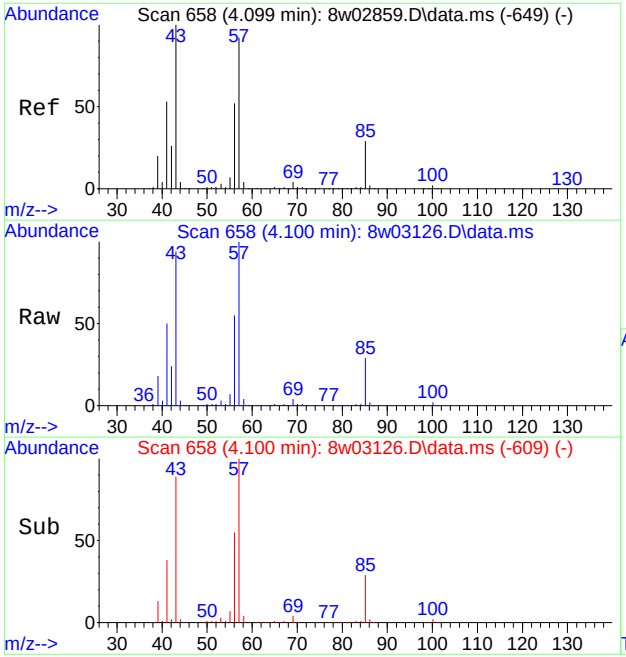


#46
CHLOROFORM
Concen: 10.78 PPBV
RT: 3.557 min Scan# 569
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 83 Resp: 318874

Ion	Ratio	Lower	Upper
83	100		
85	79.4	63.4	95.2
47	22.4	18.5	27.7

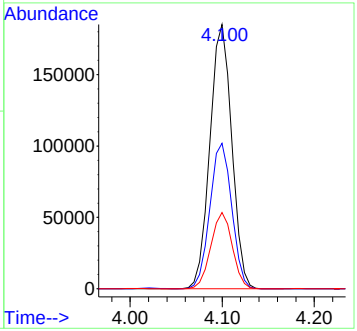


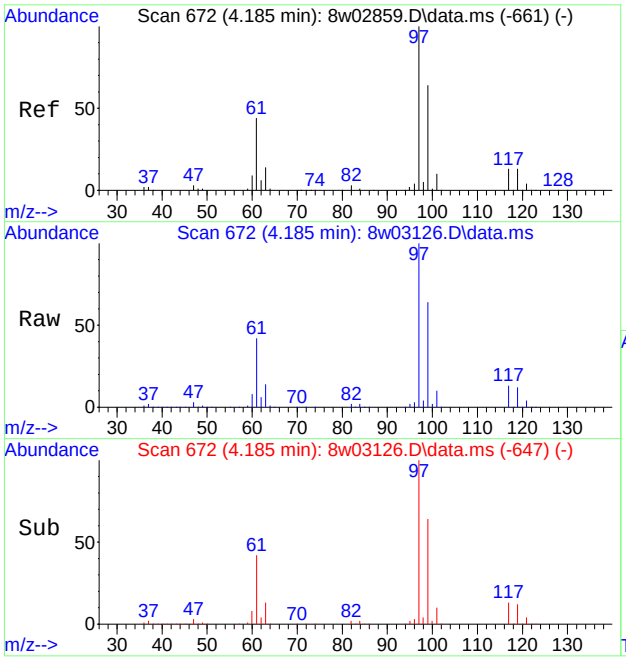


#47
2,4-DIMETHYLPENTANE
Concen: 11.37 PPBV
RT: 4.100 min Scan# 658
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 57 Resp: 306182

Ion	Ratio	Lower	Upper
57	100		
56	55.2	44.2	66.4
85	28.4	22.3	33.5

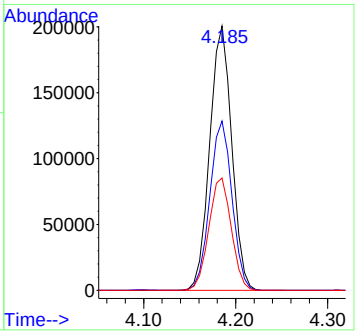


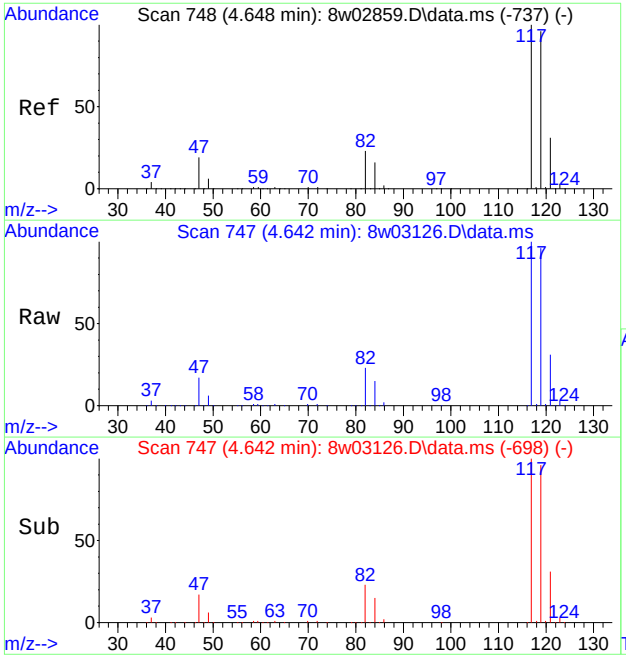


#48
1,1,1-TRICHLOROETHANE
Concen: 11.58 PPBV
RT: 4.185 min Scan# 672
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 97 Resp: 334216

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	43.4	35.8	53.6

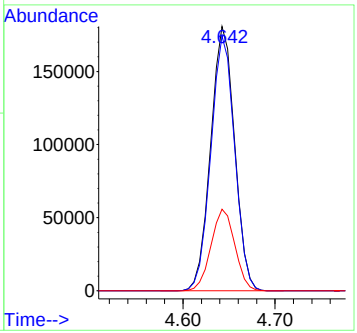


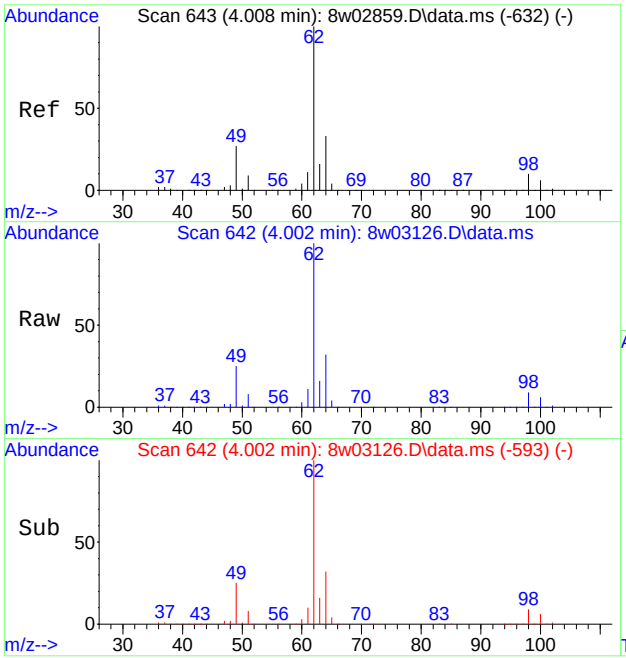


#49
CARBON TETRACHLORIDE
Concen: 11.42 PPBV
RT: 4.642 min Scan# 747
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:117 Resp: 326829

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.2
121	30.8	24.4	36.6

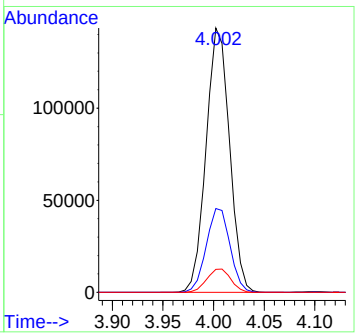


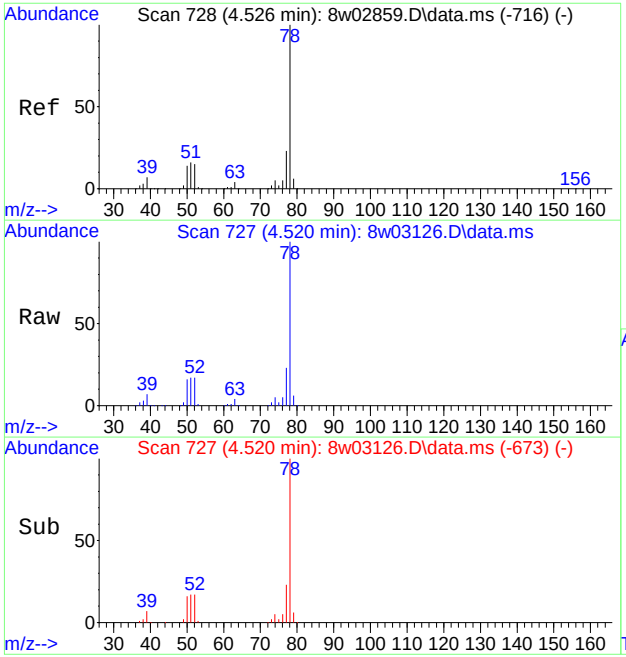


#50
1,2-DICHLOROETHANE
Concen: 10.58 PPBV
RT: 4.002 min Scan# 642
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 62 Resp: 231793

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.6	38.4
98	9.1	7.1	10.7

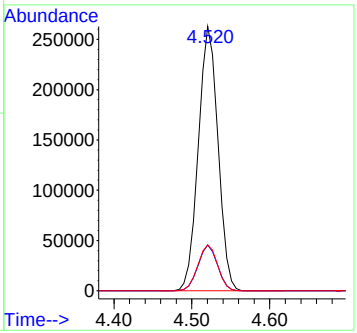


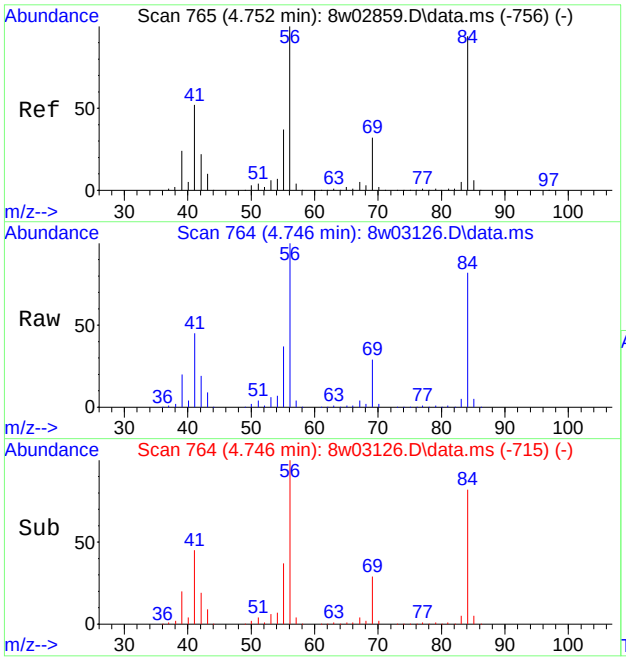


#51
BENZENE
Concen: 10.79 PPBV
RT: 4.520 min Scan# 727
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 78 Resp: 459186

Ion	Ratio	Lower	Upper
78	100		
52	17.2	0.0	37.6
51	17.4	0.0	38.0

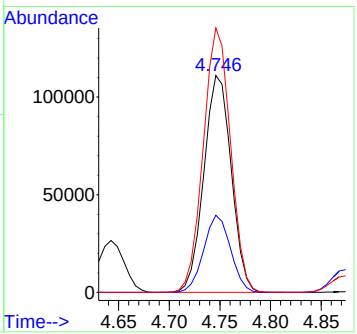


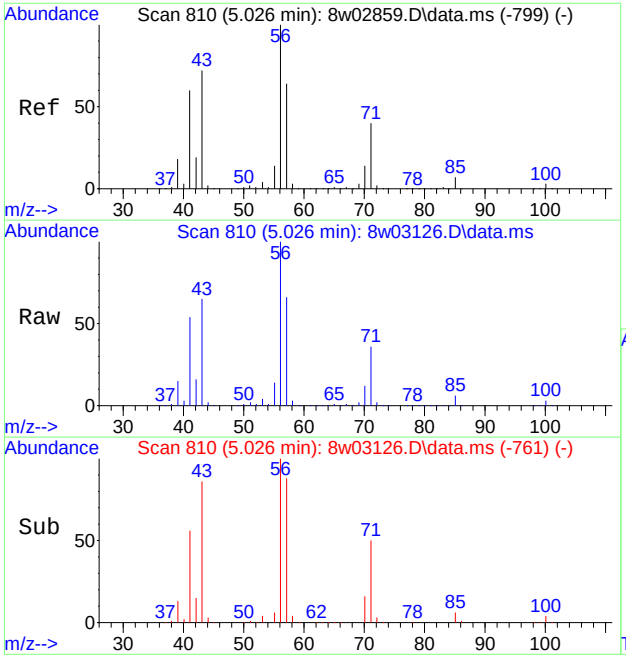


#53
CYCLOHEXANE
Concen: 11.49 PPBV
RT: 4.746 min Scan# 764
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 84 Resp: 209410

Ion	Ratio	Lower	Upper
84	100		
69	34.9	27.7	41.5
56	121.1	99.1	148.7

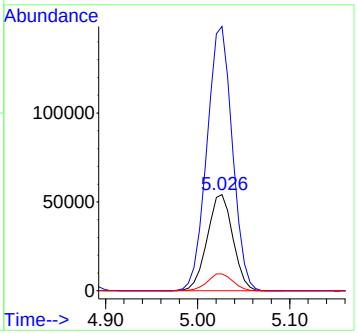


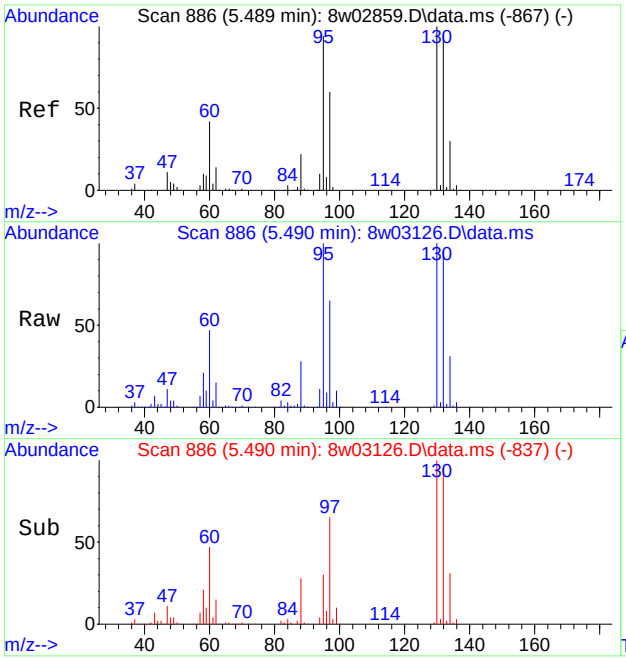


#54
2,3-DIMETHYLPENTANE
Concen: 10.71 PPBV
RT: 5.026 min Scan# 810
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 71 Resp: 104921

Ion	Ratio	Lower	Upper
71	100		
56	272.9	224.9	337.3
85	17.8	14.3	21.5

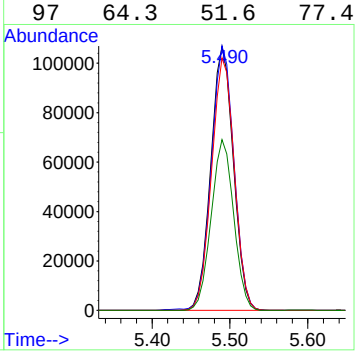


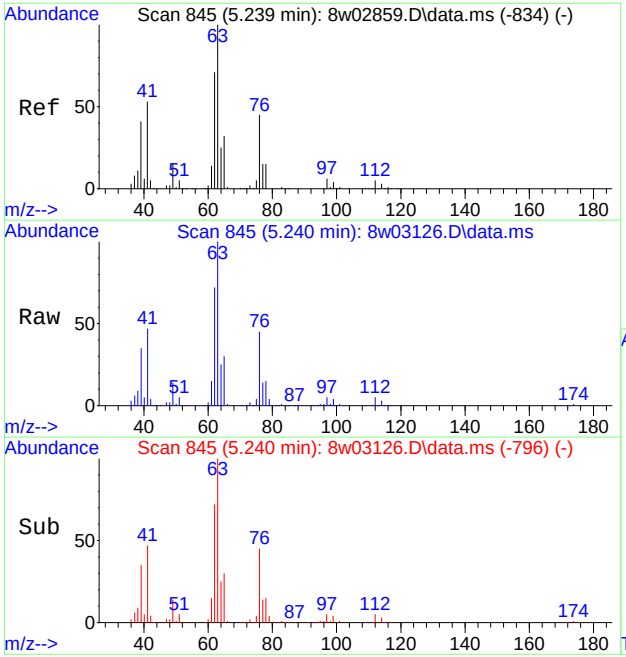


#55
TRICHLOROETHENE
Concen: 10.99 PPBV
RT: 5.490 min Scan# 886
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 95 Resp: 214612

Ion	Ratio	Lower	Upper
95	100		
130	100.6	80.6	120.8
132	95.9	77.0	115.4
97	64.3	51.6	77.4

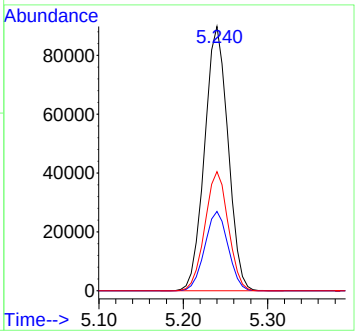


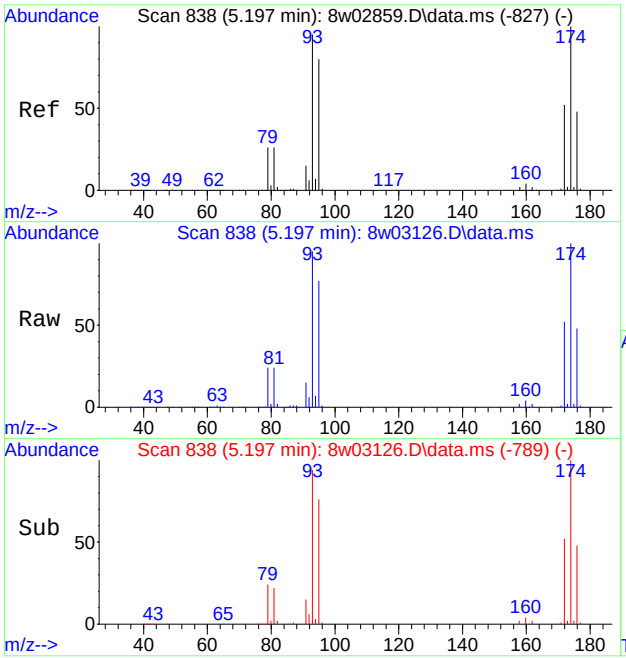


#56
1,2-DICHLOROPROPANE
Concen: 10.25 PPBV
RT: 5.240 min Scan# 845
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 63 Resp: 173403

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.1	36.1
76	44.9	36.4	54.6

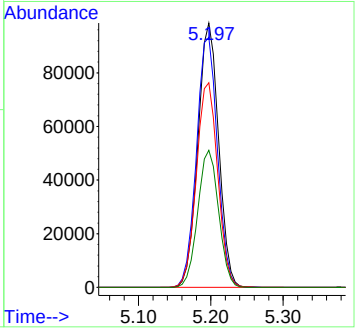


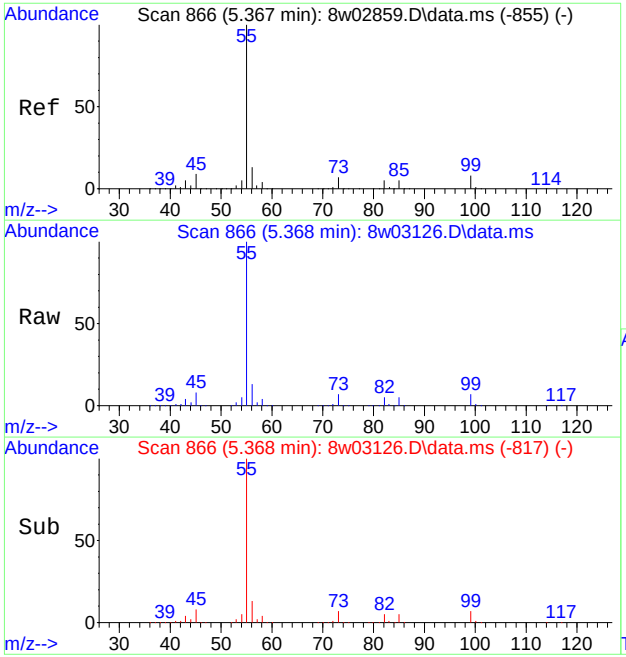


#57
DIBROMOMETHANE
Concen: 10.26 PPBV
RT: 5.197 min Scan# 838
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:174 Resp: 196096

Ion	Ratio	Lower	Upper
174	100		
93	95.9	77.0	115.6
95	79.6	64.2	96.4
172	52.2	41.8	62.6

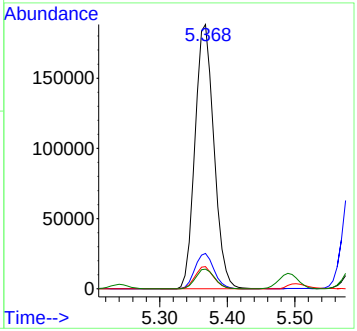


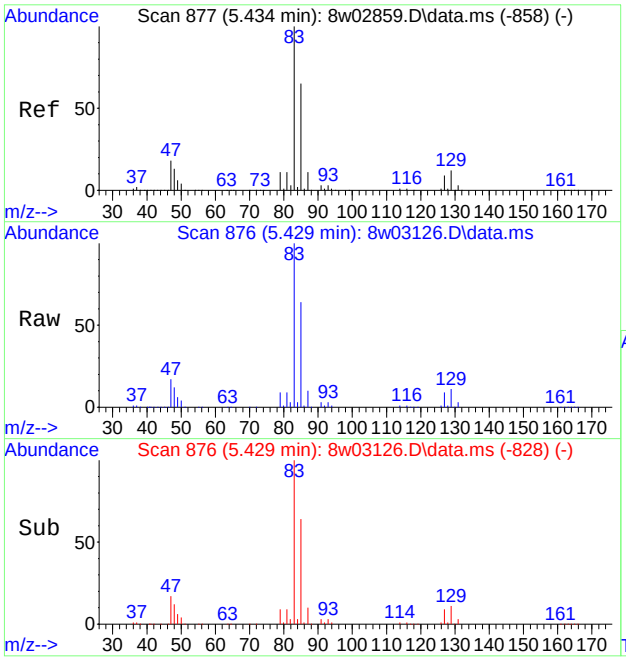


#58
ETHYL ACRYLATE
Concen: 11.77 PPBV
RT: 5.368 min Scan# 866
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 55 Resp: 367733

Ion	Ratio	Lower	Upper
55	100		
56	13.5	10.9	16.3
45	8.3	6.7	10.1
99	7.5	5.8	8.8

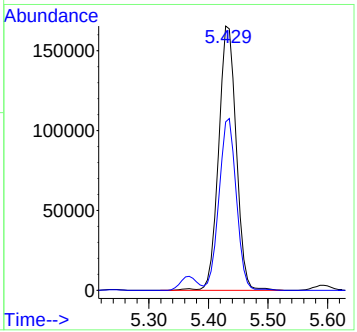


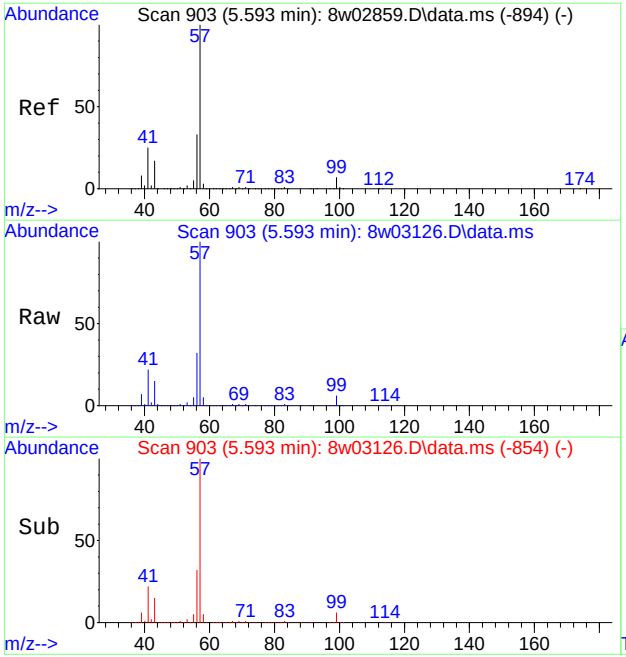


#59
BROMODICHLOROMETHANE
Concen: 11.55 PPBV
RT: 5.429 min Scan# 876
Delta R.T. -0.006 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 83 Resp: 338782

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.6

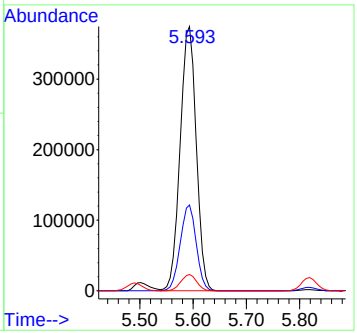


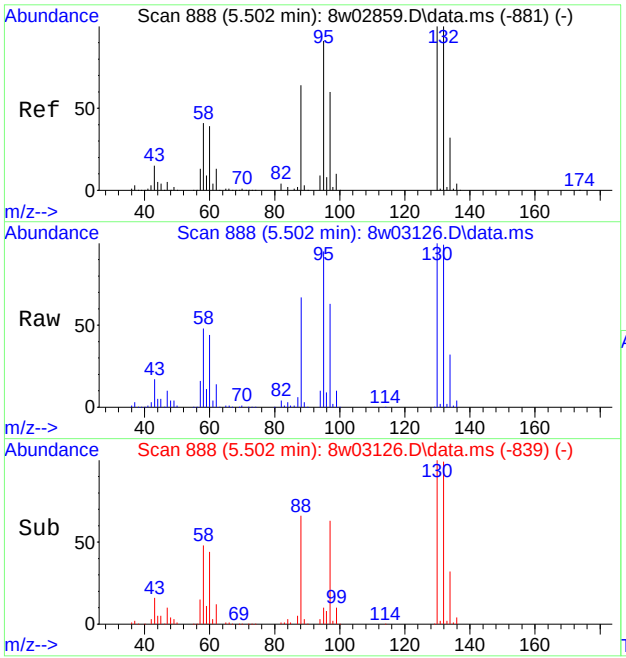


#60
2,2,4-TRIMETHYLPENTANE
Concen: 10.87 PPBV
RT: 5.593 min Scan# 903
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 57 Resp: 787787

Ion	Ratio	Lower	Upper
57	100		
56	32.2	25.8	38.8
99	6.1	4.7	7.1

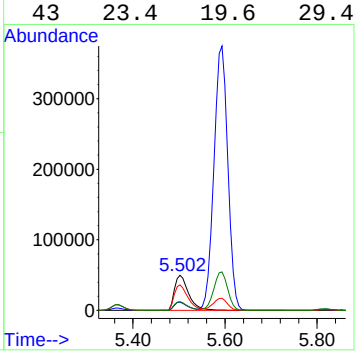


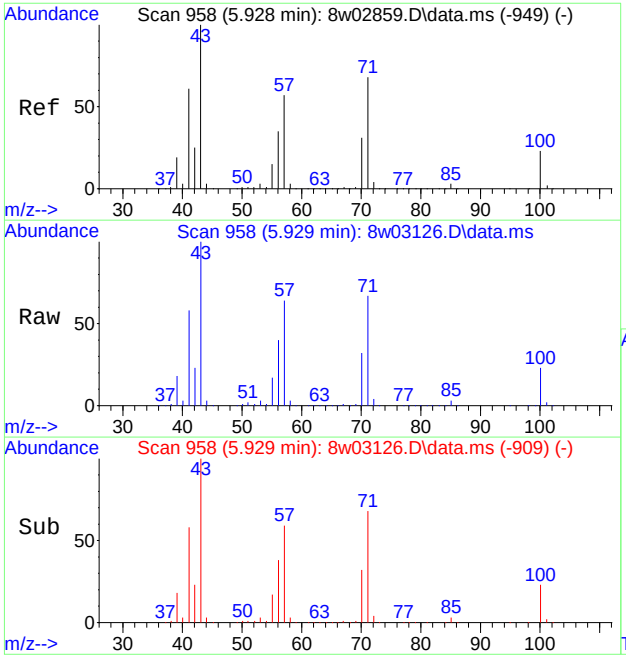


#61
1,4-DIOXANE
Concen: 10.04 PPBV
RT: 5.502 min Scan# 888
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 88 Resp: 106100

Ion	Ratio	Lower	Upper
88	100		
57	21.1	18.4	27.6
58	70.7	57.3	85.9
43	23.4	19.6	29.4

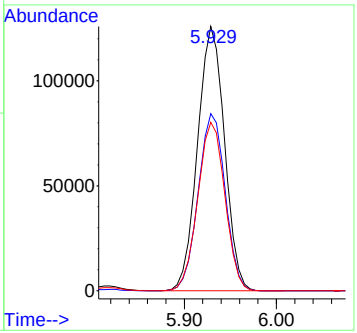


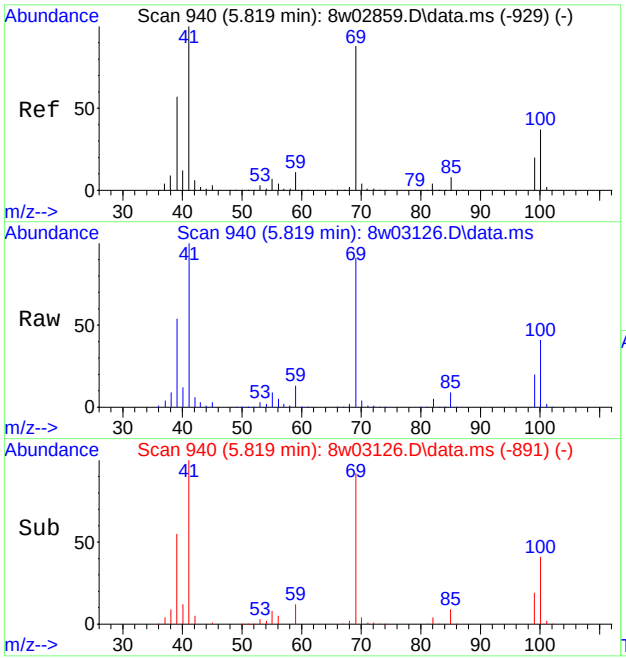


#62
HEPTANE
Concen: 11.68 PPBV
RT: 5.929 min Scan# 958
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 43 Resp: 256221

Ion	Ratio	Lower	Upper
43	100		
71	67.2	52.2	78.2
57	64.2	50.4	75.6

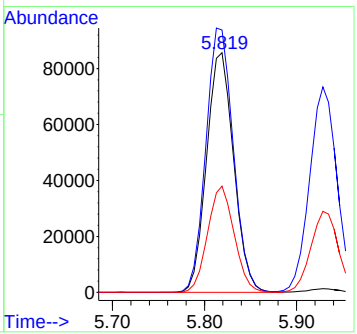


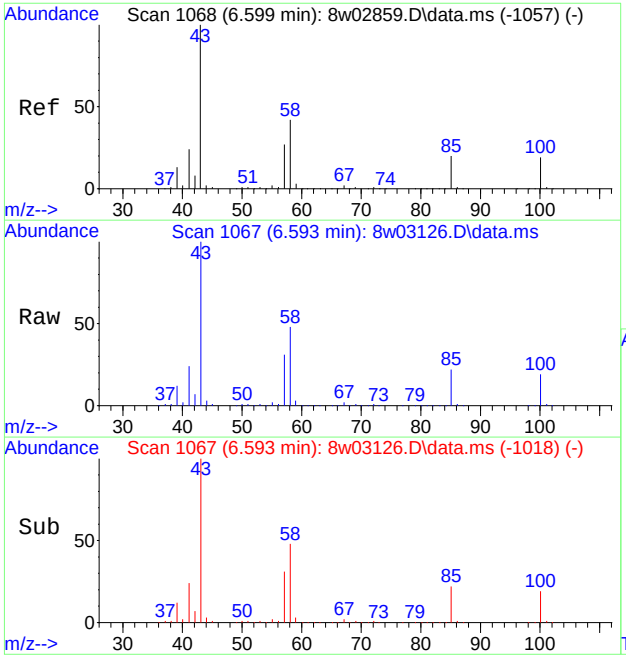


#63
METHYL METHACRYLATE
Concen: 11.31 PPBV
RT: 5.819 min Scan# 940
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 69 Resp: 175696

Ion	Ratio	Lower	Upper
69	100		
41	111.4	91.9	137.9
100	43.3	34.2	51.4

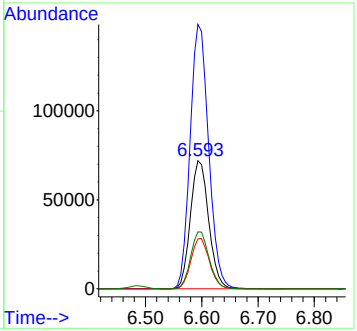


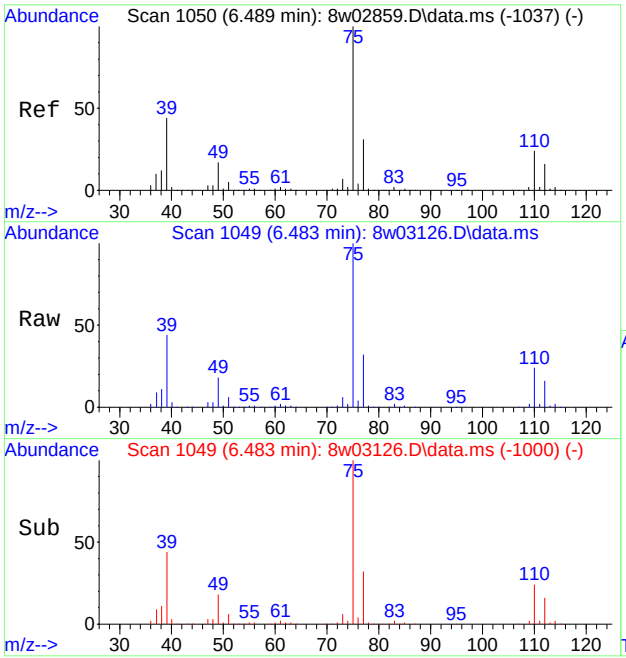


#64
METHYL ISOBUTYL KETONE
Concen: 11.18 PPBV
RT: 6.593 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 58 Resp: 163063

Ion	Ratio	Lower	Upper
58	100		
43	208.6	171.6	257.4
100	39.6	31.4	47.0
85	44.7	35.8	53.6

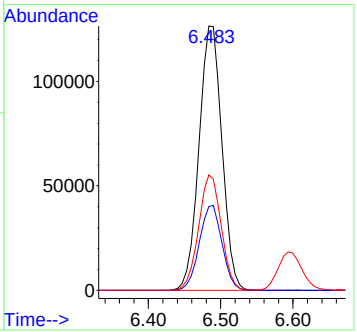


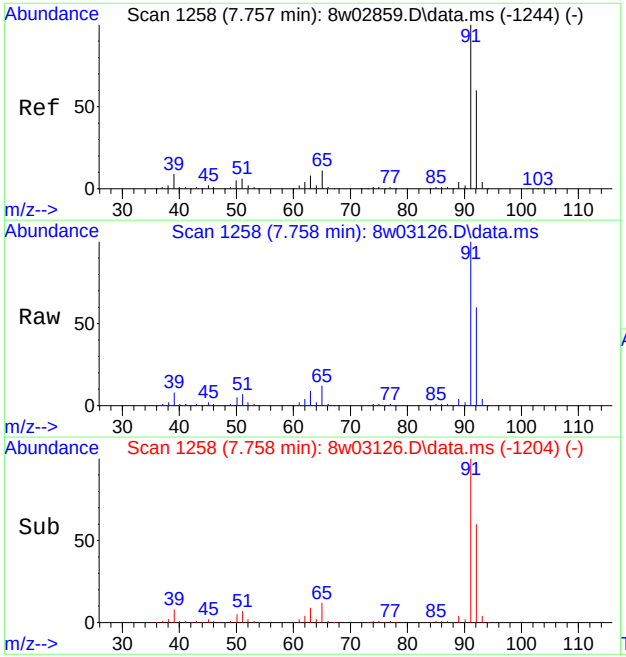


#65
CIS-1,3-DICHLOROPROPENE
Concen: 12.77 PPBV
RT: 6.483 min Scan# 1049
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 75 Resp: 278774

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	43.1	35.8	53.8

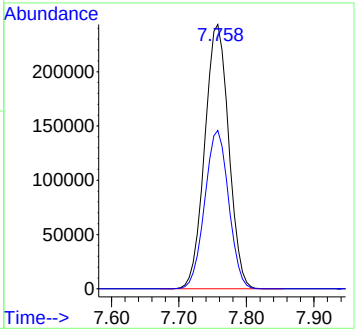


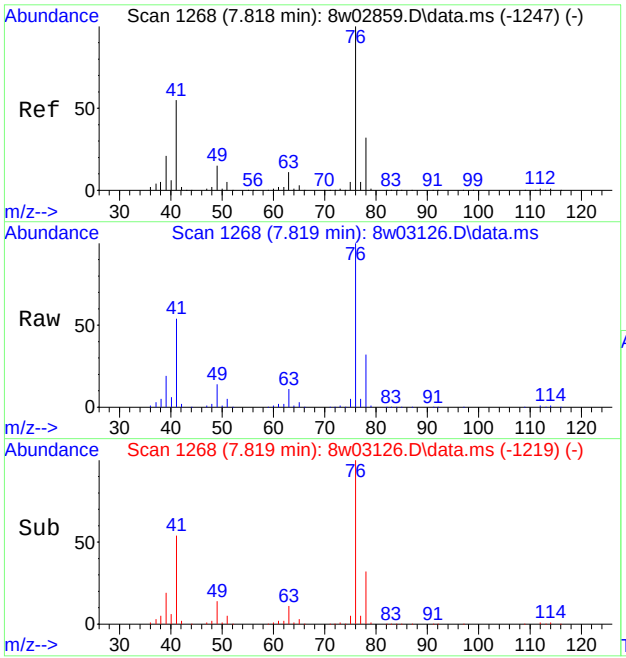


#66
TOLUENE
Concen: 11.73 PPBV
RT: 7.758 min Scan# 1258
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 91 Resp: 601946

Ion	Ratio	Lower	Upper
91	100		
92	59.7	39.8	79.8

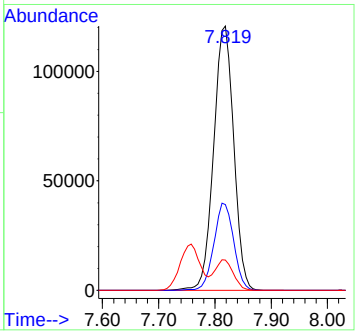


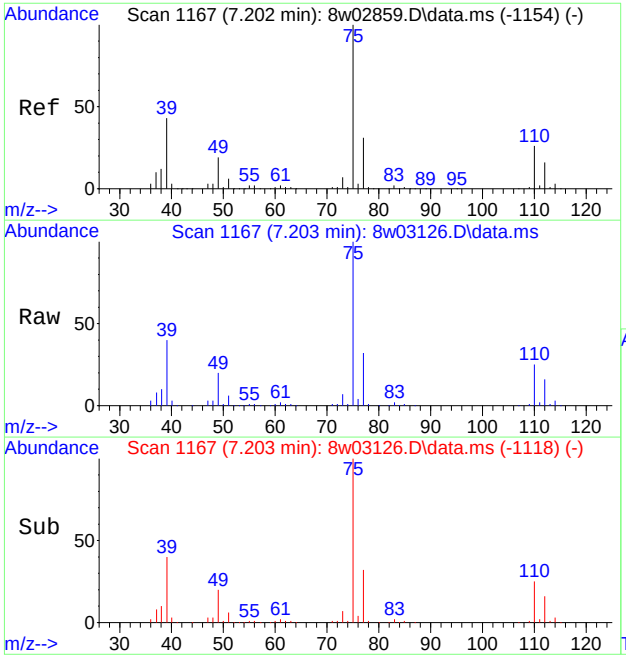


#67
1,3-DICHLOROPROPANE
Concen: 11.75 PPBV
RT: 7.819 min Scan# 1268
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 76 Resp: 300305

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9
63	10.7	8.6	12.8

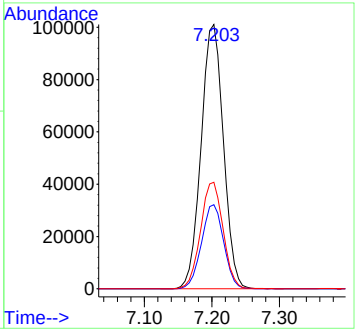


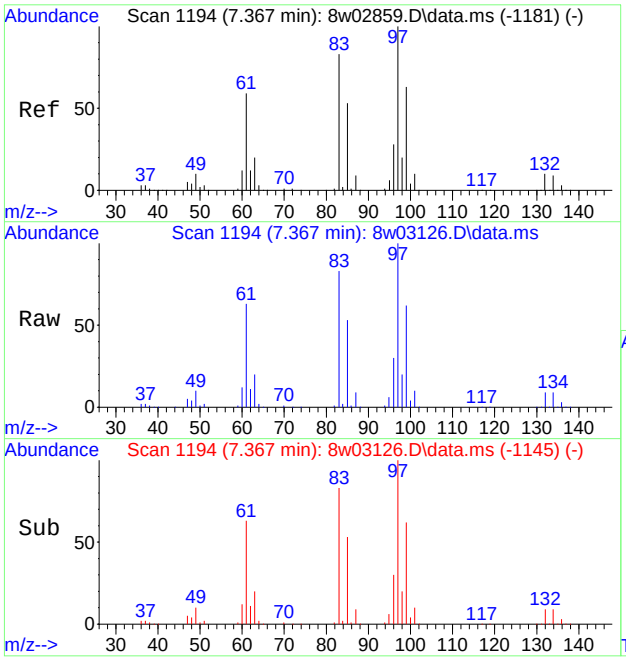


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 12.35 PPBV
RT: 7.203 min Scan# 1167
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 75 Resp: 232512

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	40.8	33.4	50.0

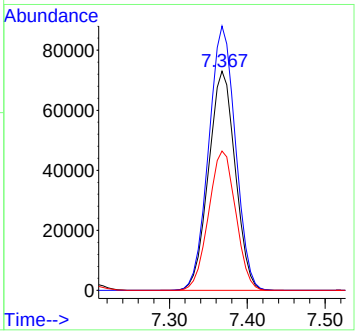


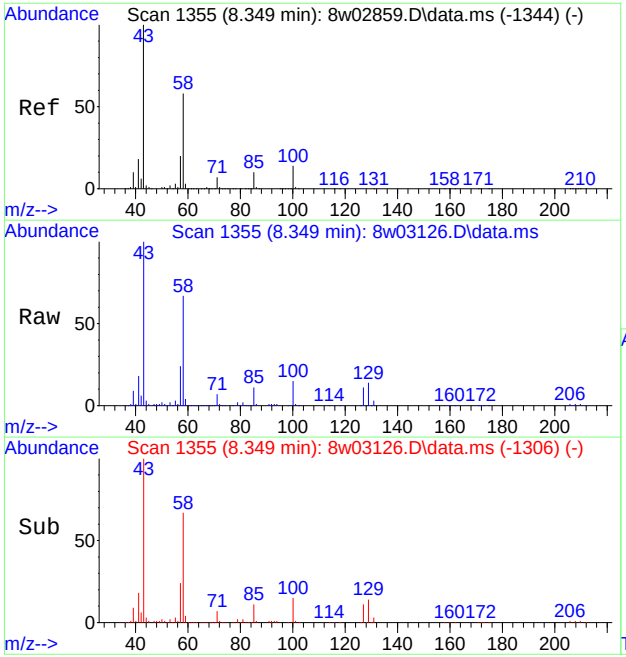


#69
1,1,2-TRICHLOROETHANE
Concen: 11.02 PPBV
RT: 7.367 min Scan# 1194
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 83 Resp: 173241

Ion	Ratio	Lower	Upper
83	100		
97	120.9	98.2	147.2
85	64.7	51.7	77.5

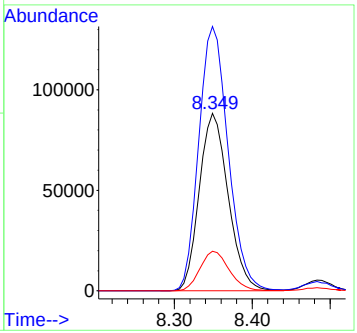


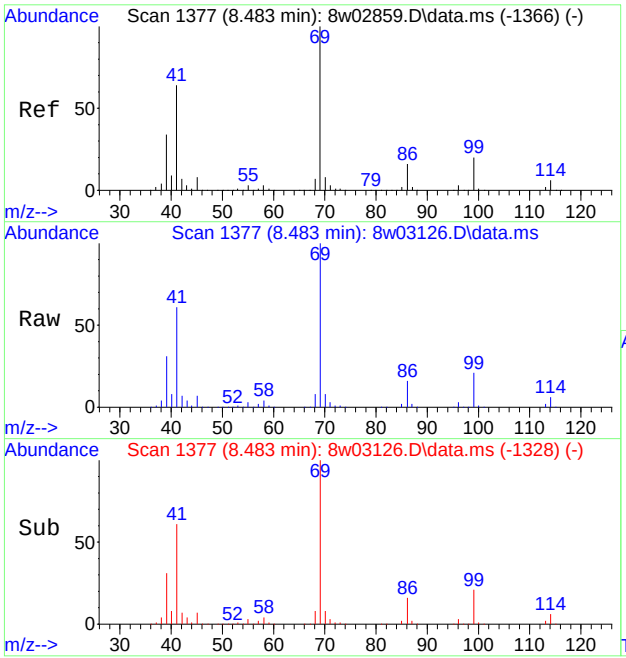


#70
2-HEXANONE
Concen: 11.77 PPBV
RT: 8.349 min Scan# 1355
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 58 Resp: 227374

Ion	Ratio	Lower	Upper
58	100		
43	151.2	124.3	186.5
100	22.5	18.0	27.0

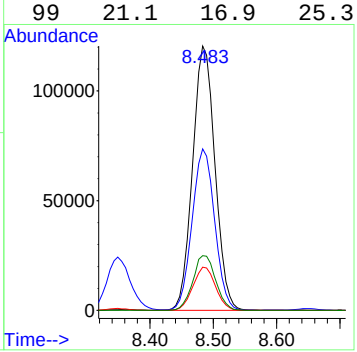


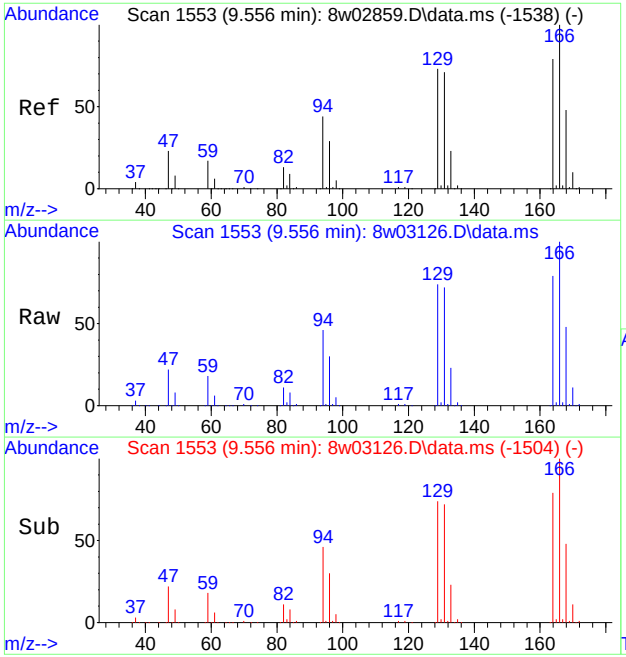


#71
ETHYL METHACRYLATE
Concen: 12.02 PPBV
RT: 8.483 min Scan# 1377
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 69 Resp: 296840

Ion	Ratio	Lower	Upper
69	100		
41	61.6	50.3	75.5
86	16.5	13.0	19.4
99	21.1	16.9	25.3

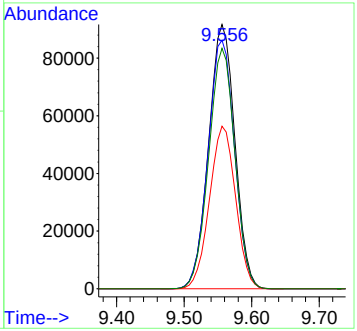


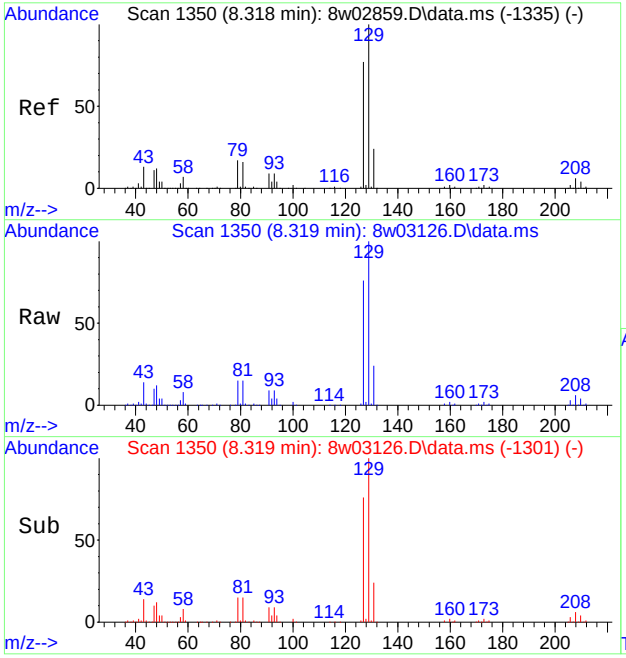


#72
TETRACHLOROETHENE
Concen: 11.66 PPBV
RT: 9.556 min Scan# 1553
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:164 Resp: 248342

Ion	Ratio	Lower	Upper
164	100		
129	94.8	75.8	113.8
168	61.1	48.8	73.2
131	90.8	73.0	109.4

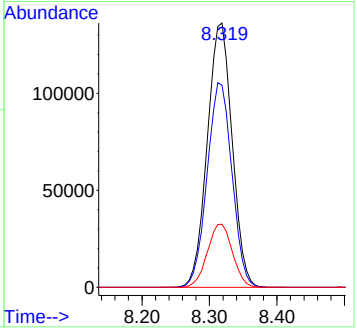


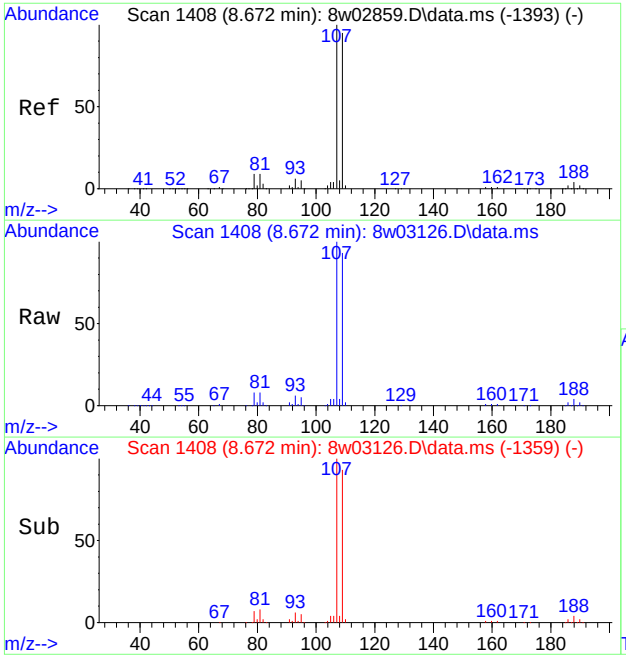


#73
DIBROMOCHLOROMETHANE
Concen: 11.99 PPBV
RT: 8.319 min Scan# 1350
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:129 Resp: 349007

Ion	Ratio	Lower	Upper
129	100		
127	77.4	62.0	93.0
131	24.2	19.1	28.7

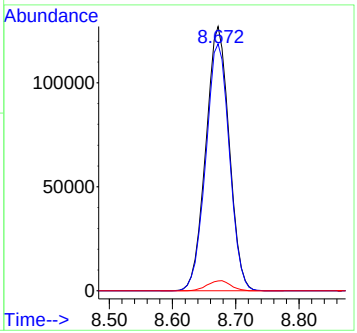


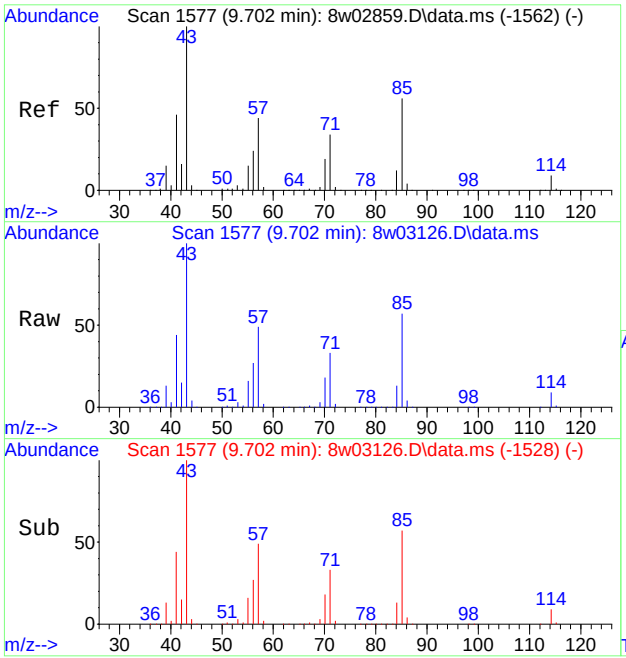


#74
1,2-DIBROMOETHANE
Concen: 11.73 PPBV
RT: 8.672 min Scan# 1408
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:107 Resp: 326066

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0
188	3.9	3.0	4.6

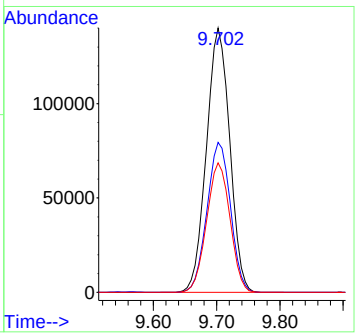


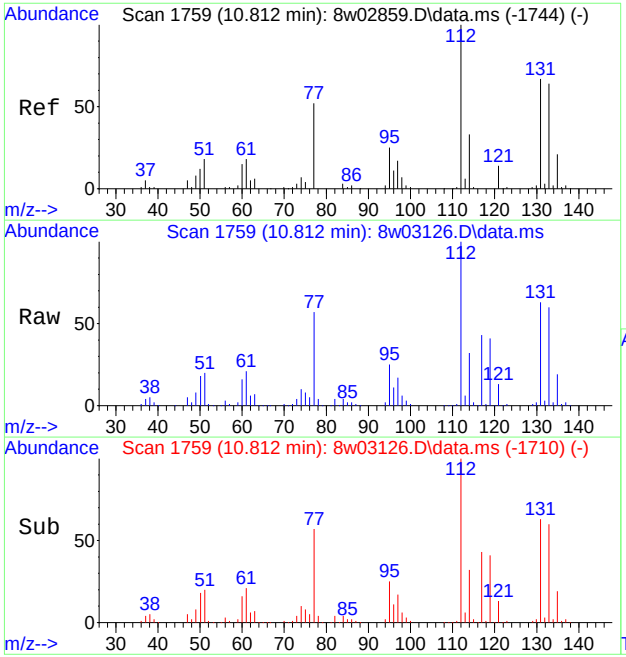


#75
OCTANE
Concen: 11.80 PPBV
RT: 9.702 min Scan# 1577
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 43 Resp: 358266

Ion	Ratio	Lower	Upper
43	100		
85	57.2	45.1	67.7
57	49.2	39.0	58.6

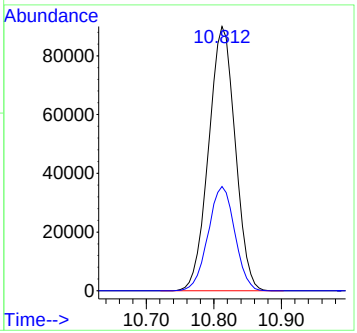


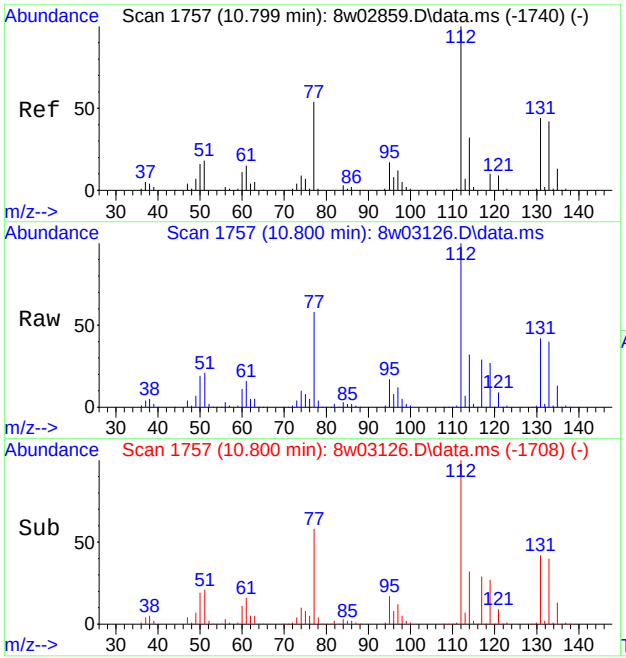


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 10.92 PPBV
RT: 10.812 min Scan# 1759
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:131 Resp: 246362

Ion	Ratio	Lower	Upper
131	100		
95	39.7	31.7	47.5

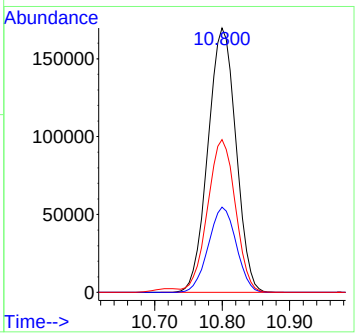


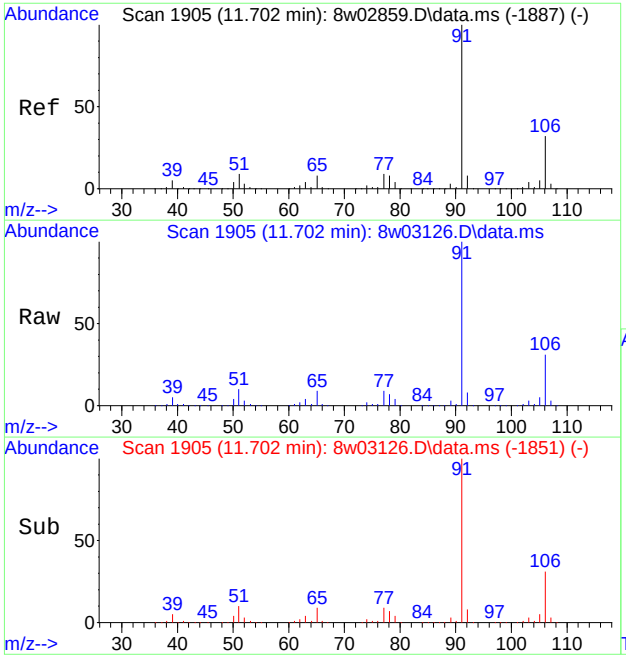


#78
CHLOROBENZENE
Concen: 10.90 PPBV
RT: 10.800 min Scan# 1757
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:112 Resp: 489782

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5
77	59.0	47.4	71.2

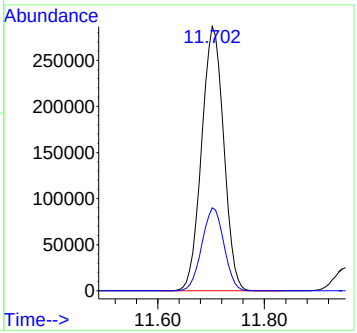


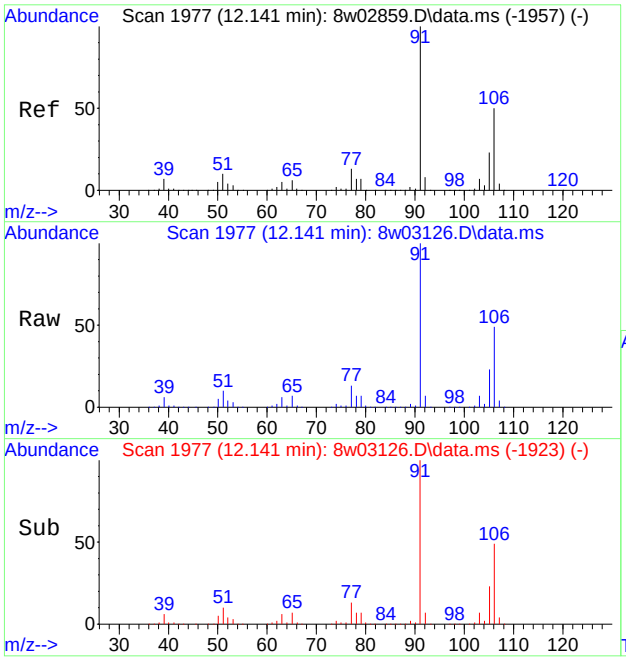


#79
ETHYLBENZENE
Concen: 11.76 PPBV
RT: 11.702 min Scan# 1905
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 91 Resp: 823600

Ion	Ratio	Lower	Upper
91	100		
106	31.3	11.5	51.5

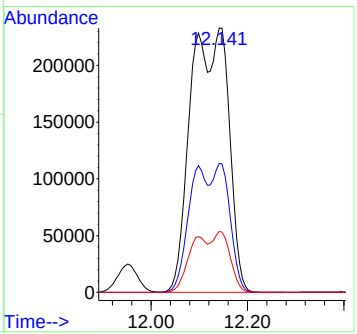


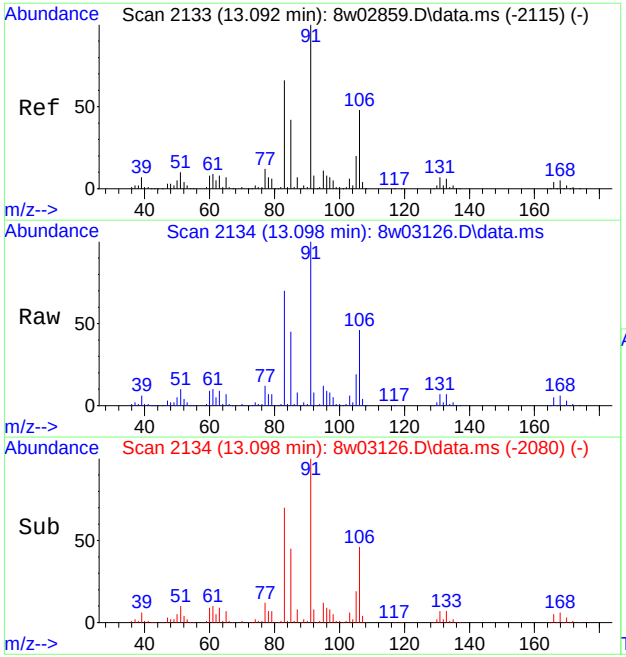


#80
M,P-XYLENE
Concen: 23.55 PPBV
RT: 12.141 min Scan# 1977
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 91 Resp: 1284929

Ion	Ratio	Lower	Upper
91	100		
106	24.8	5.3	45.3
105	11.6	0.0	31.8

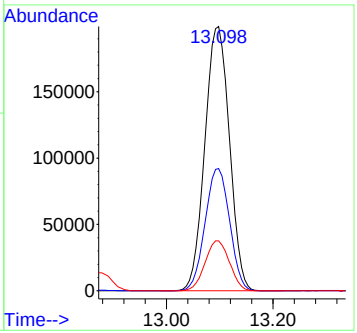


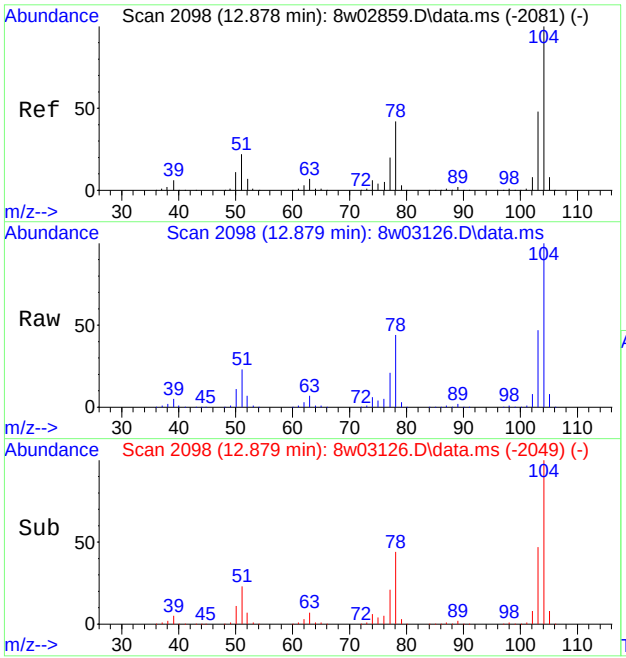


#81
O-XYLENE
Concen: 11.63 PPBV
RT: 13.098 min Scan# 2134
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 91 Resp: 638672

Ion	Ratio	Lower	Upper
91	100		
106	46.2	36.8	55.2
105	18.9	15.0	22.6

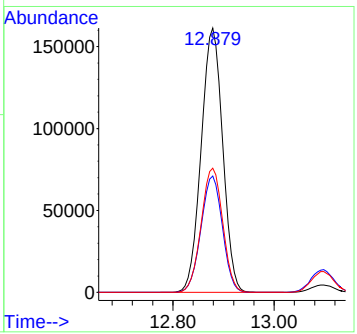


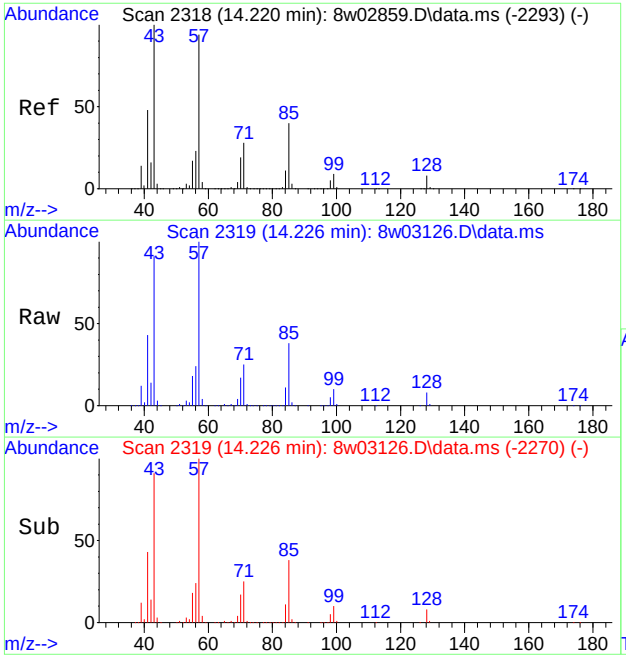


#82
STYRENE
Concen: 11.68 PPBV
RT: 12.879 min Scan# 2098
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:104 Resp: 476271

Ion	Ratio	Lower	Upper
104	100		
78	43.9	35.4	53.0
103	47.2	37.7	56.5

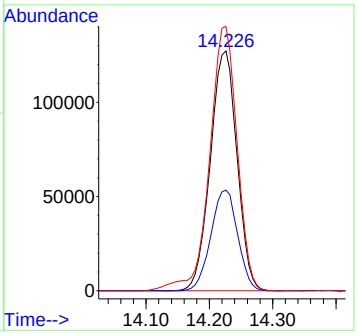


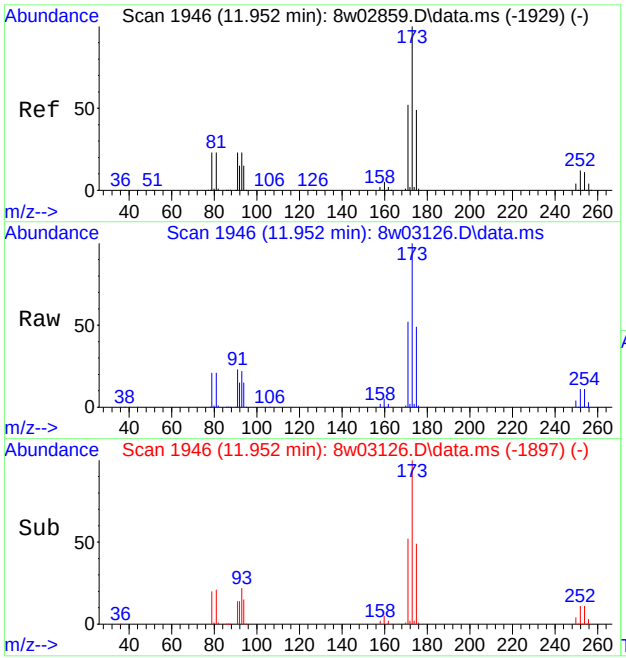


#83
NONANE
Concen: 10.59 PPBV
RT: 14.226 min Scan# 2319
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 43 Resp: 372501

Ion	Ratio	Lower	Upper
43	100		
85	42.2	32.5	48.7
57	113.5	88.6	132.8

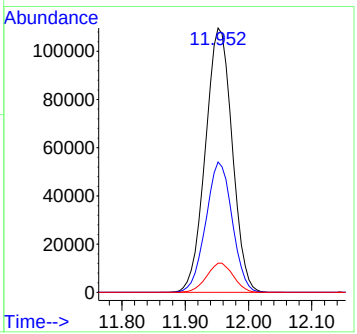


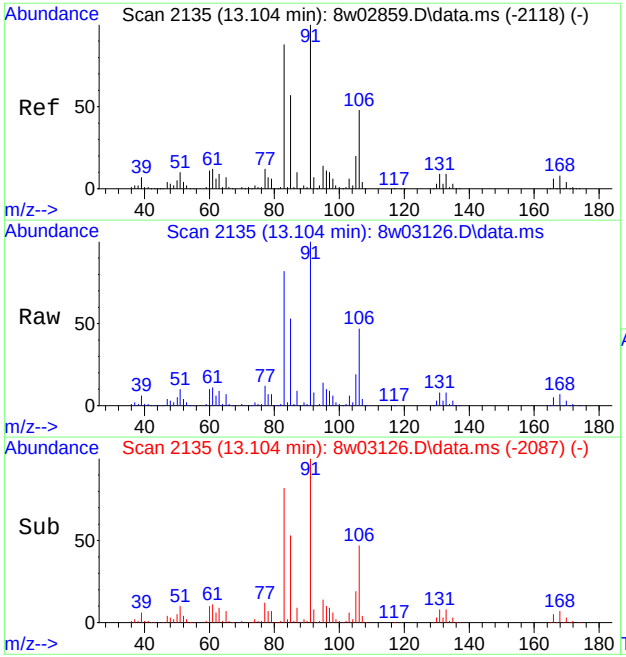


#84
BROMOFORM
Concen: 11.37 PPBV
RT: 11.952 min Scan# 1946
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:173 Resp: 321986

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
254	11.1	8.7	13.1

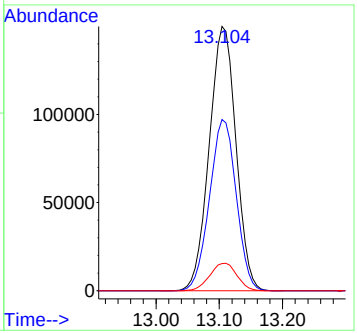


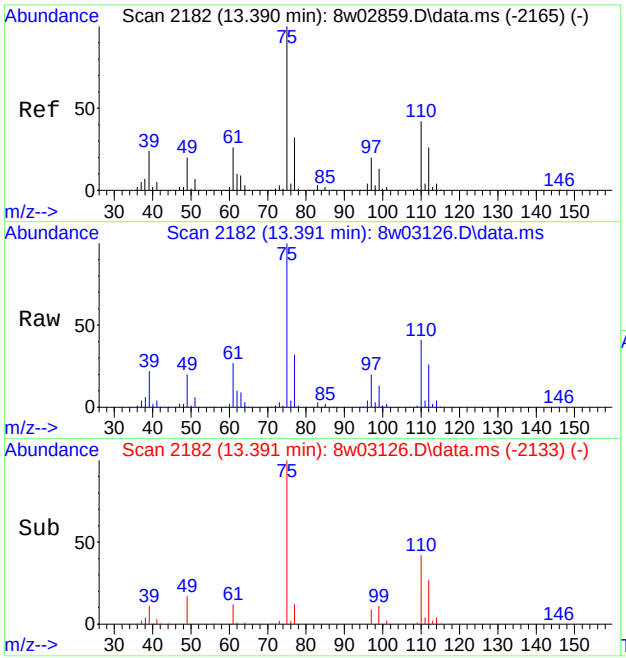


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 10.97 PPBV
RT: 13.104 min Scan# 2135
Delta R.T. -0.006 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 83 Resp: 440413

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9
131	10.6	8.5	12.7

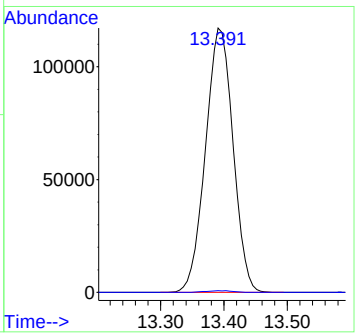


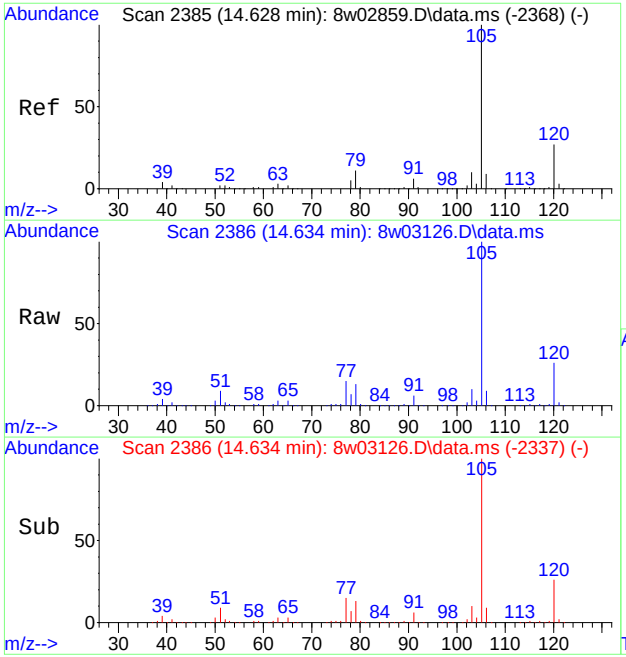


#86
1,2,3-TRICHLOROPROPANE
Concen: 10.81 PPBV
RT: 13.391 min Scan# 2182
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 75 Resp: 354262

Ion	Ratio	Lower	Upper
75	100		
100	0.6	0.5	0.7

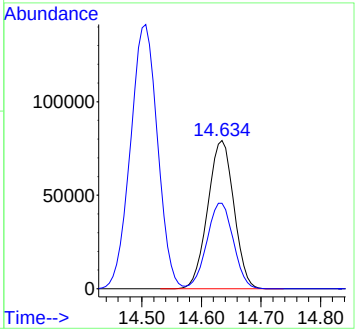


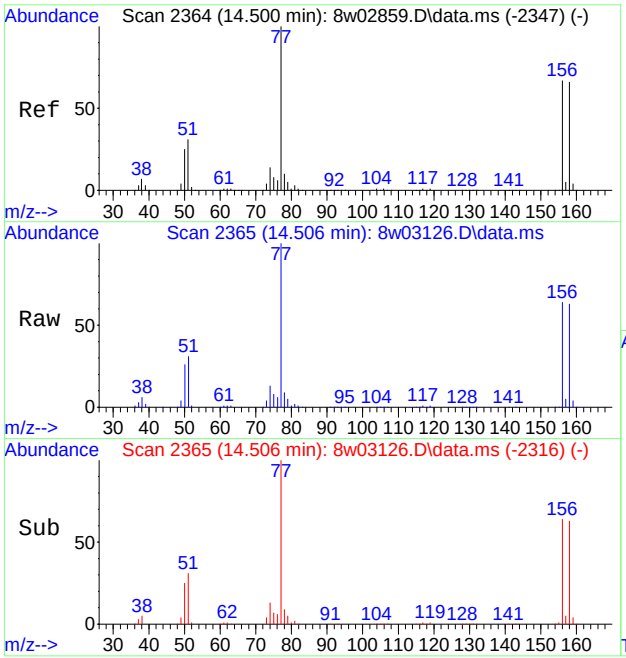


#88
ISOPROPYLBENZENE
Concen: 11.03 PPBV
RT: 14.634 min Scan# 2386
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:120 Resp: 241228

Ion	Ratio	Lower	Upper
120	100		
77	58.5	46.8	70.2

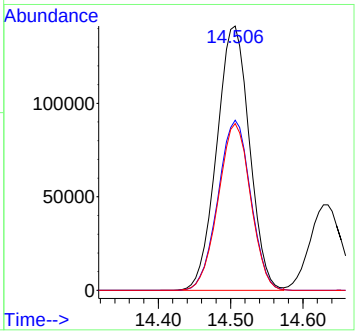


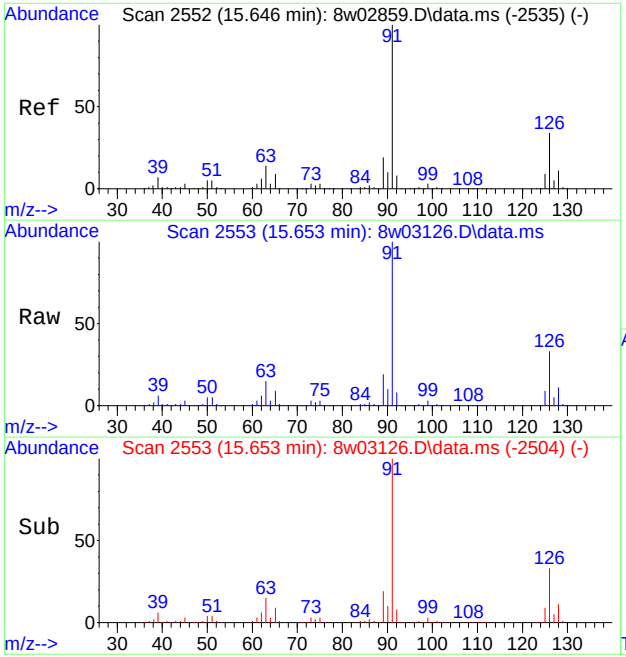


#89
BROMOBENZENE
Concen: 11.12 PPBV
RT: 14.506 min Scan# 2365
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 77 Resp: 445347

Ion	Ratio	Lower	Upper
77	100		
156	64.3	51.5	77.3
158	62.3	50.2	75.4

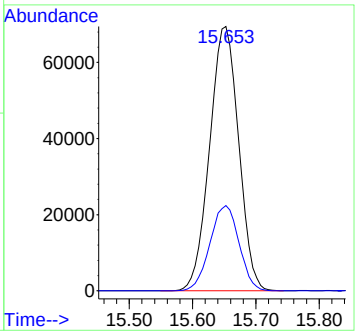


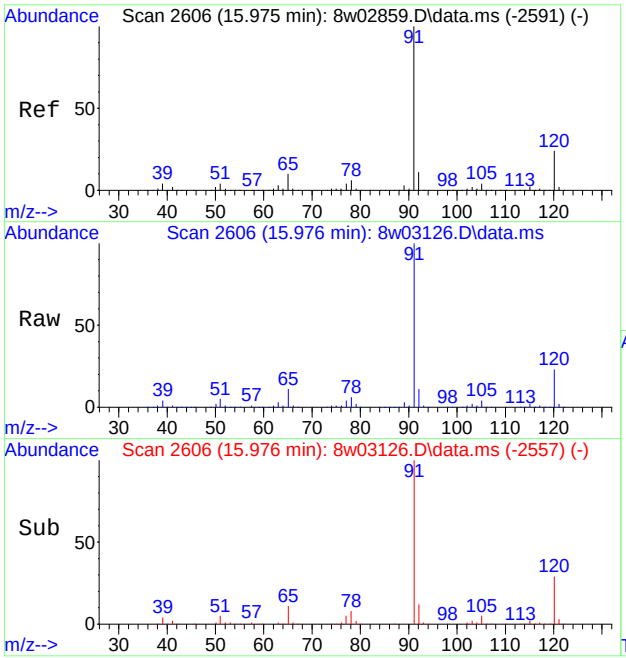


#90
2-CHLOROTOLUENE
Concen: 11.15 PPBV
RT: 15.653 min Scan# 2553
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:126 Resp: 221124

Ion	Ratio	Lower	Upper
126	100		
128	32.3	26.0	39.0

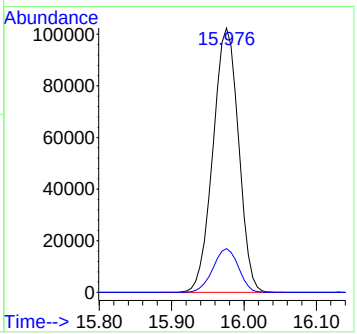


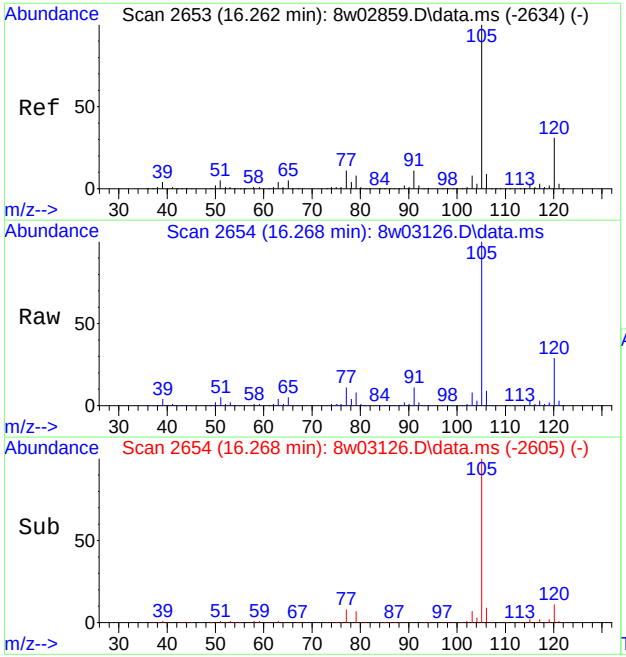


#91
N-PROPYLBENZENE
Concen: 11.28 PPBV
RT: 15.976 min Scan# 2606
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:120 Resp: 251555

Ion	Ratio	Lower	Upper
120	100		
105	16.5	13.3	19.9

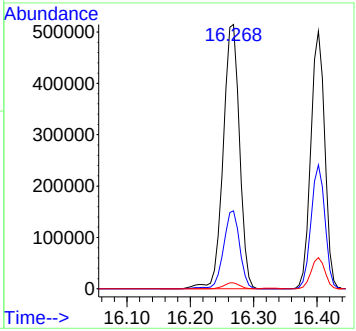


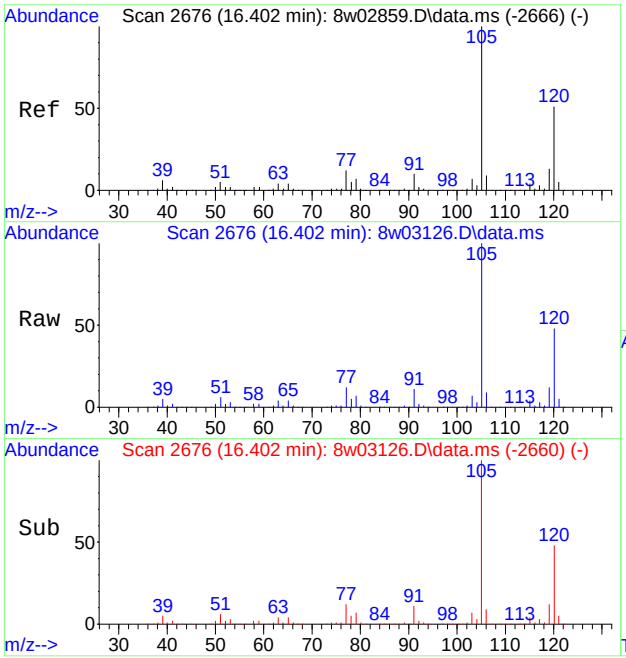


#92
4-ETHYLTOLUENE
Concen: 12.00 PPBV
RT: 16.268 min Scan# 2654
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:105 Resp: 923247

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.2	34.8
119	2.2	1.8	2.8

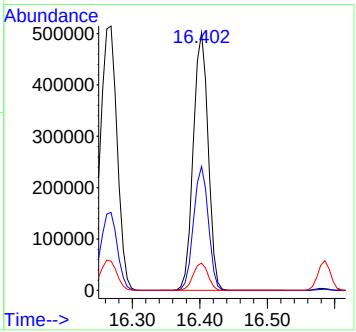


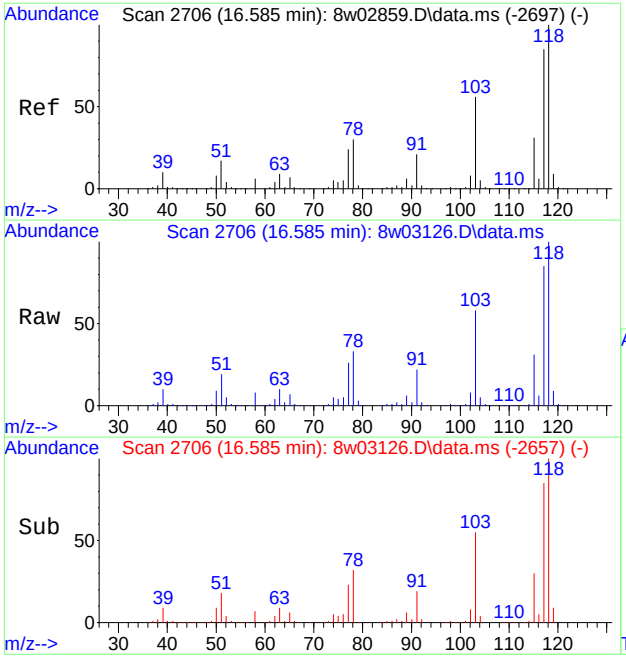


#93
1,3,5-TRIMETHYLBENZENE
Concen: 11.83 PPBV
RT: 16.402 min Scan# 2676
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:105 Resp: 768514

Ion	Ratio	Lower	Upper
105	100		
120	47.8	38.2	57.4
91	10.7	8.7	13.1

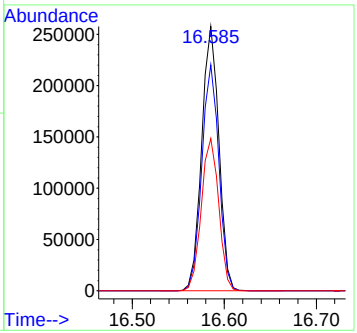


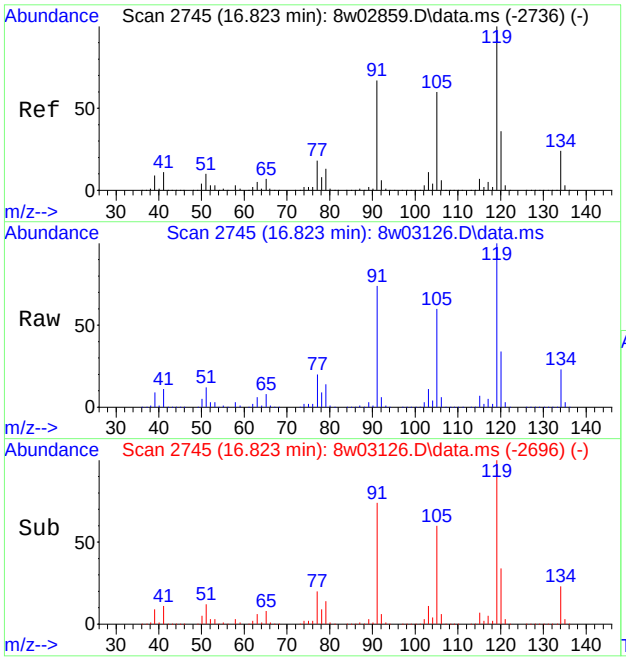


#94
ALPHA-METHYLSTYRENE
Concen: 10.76 PPBV
RT: 16.585 min Scan# 2706
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:118 Resp: 335467

Ion	Ratio	Lower	Upper
118	100		
117	85.0	68.5	102.7
103	58.2	46.9	70.3

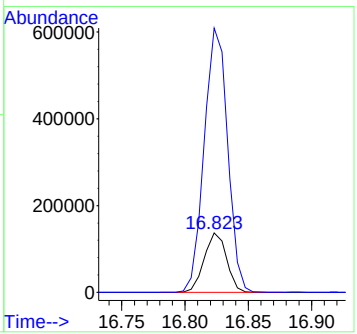


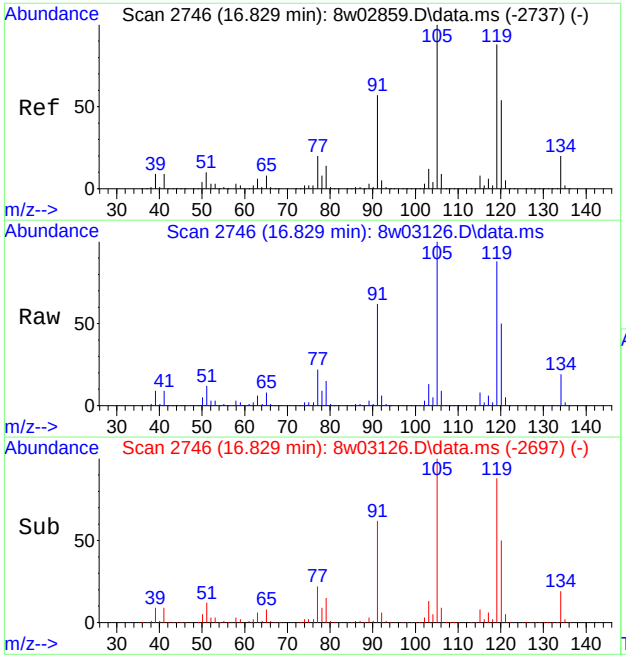


#95
TERT-BUTYLBENZENE
Concen: 10.88 PPBV
RT: 16.823 min Scan# 2745
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:134 Resp: 167523

Ion	Ratio	Lower	Upper
134	100		
119	467.3	376.4	564.6

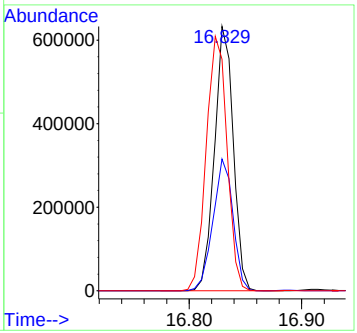


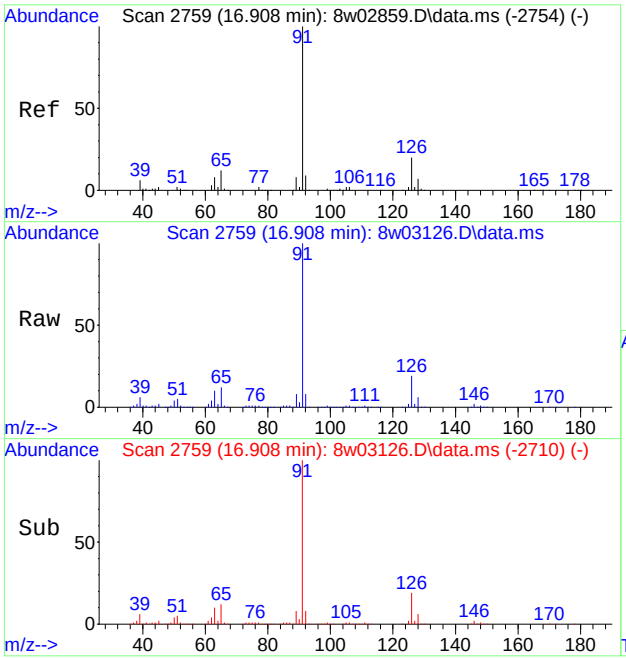


#96
1,2,4-TRIMETHYLBENZENE
Concen: 11.55 PPBV
RT: 16.829 min Scan# 2746
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:105 Resp: 737005

Ion	Ratio	Lower	Upper
105	100		
120	53.0	42.1	63.1
119	106.1	84.6	127.0

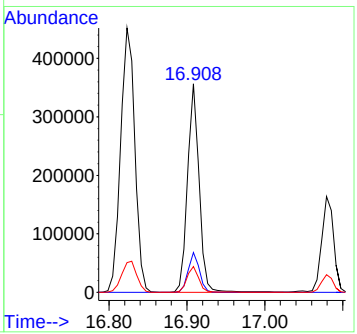


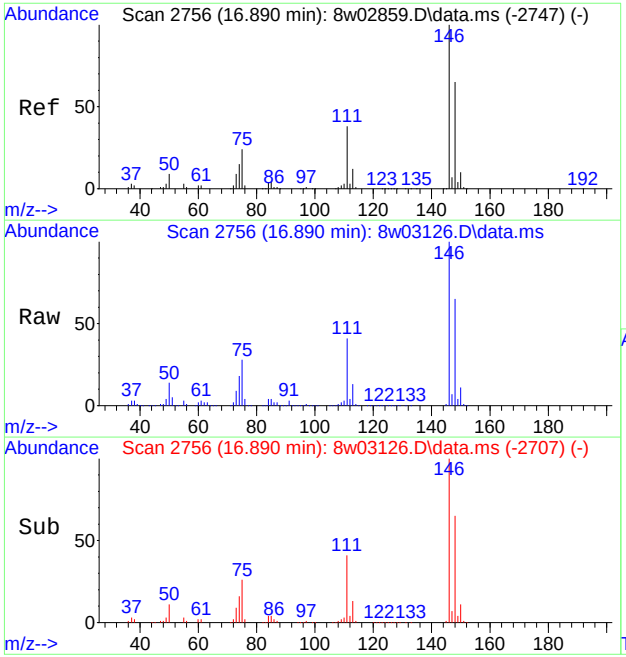


#97
BENZYL CHLORIDE
Concen: 10.95 PPBV
RT: 16.908 min Scan# 2759
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion: 91 Resp: 369430

Ion	Ratio	Lower	Upper
91	100		
126	18.7	15.2	22.8
65	13.0	10.3	15.5

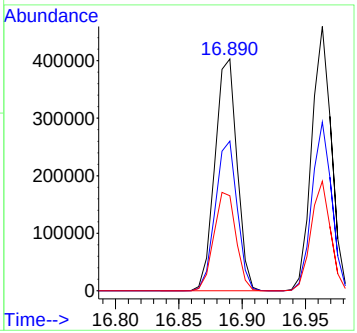


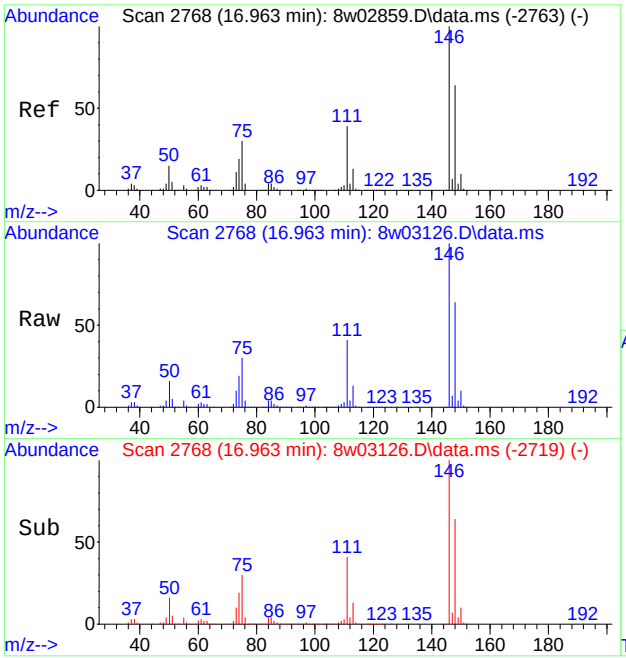


#98
M-DICHLOROBENZENE
Concen: 10.95 PPBV
RT: 16.890 min Scan# 2756
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:146 Resp: 488898

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
111	42.7	34.2	51.4

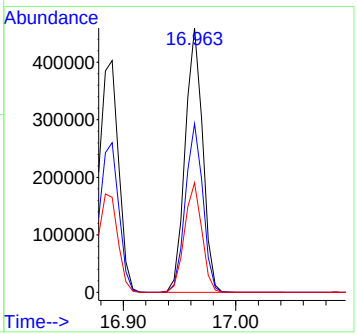


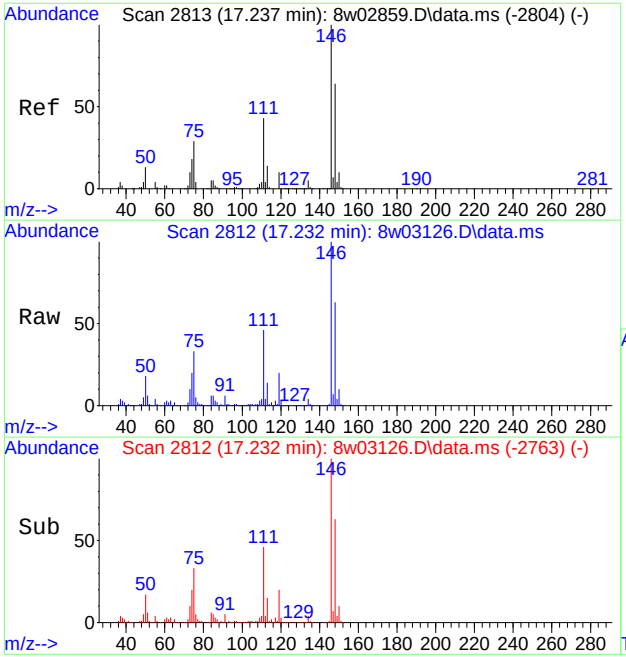


#99
P-DICHLOROBENZENE
Concen: 11.07 PPBV
RT: 16.963 min Scan# 2768
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:146 Resp: 495570

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
111	41.1	32.8	49.2

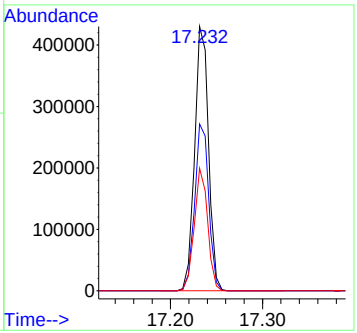


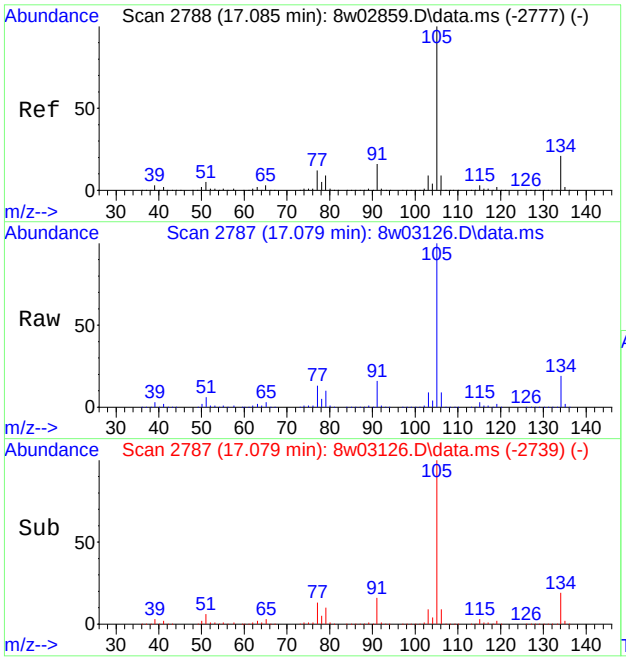


#100
O-DICHLOROBENZENE
Concen: 10.81 PPBV
RT: 17.232 min Scan# 2812
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:146 Resp: 451289

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.9	76.3
111	44.7	35.9	53.9

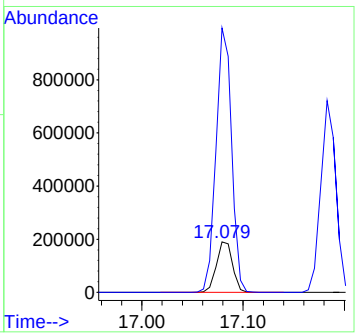


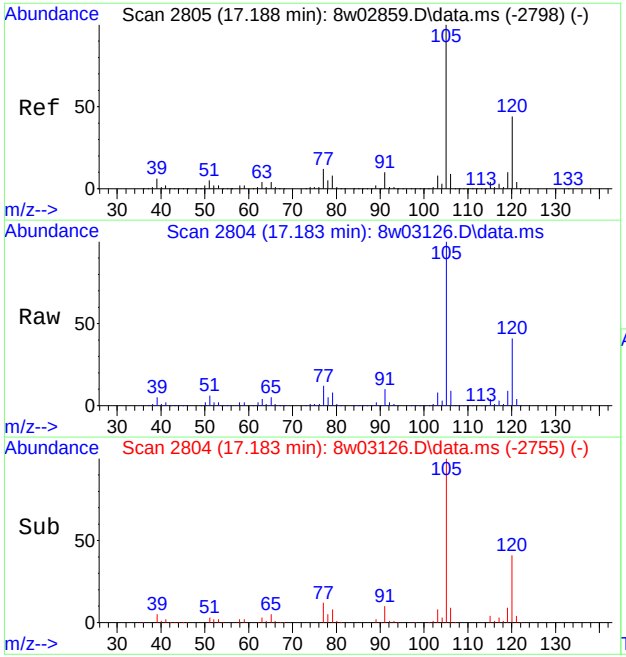


#101
SEC-BUTYLBENZENE
Concen: 10.92 PPBV
RT: 17.079 min Scan# 2787
Delta R.T. -0.006 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:134 Resp: 210656

Ion	Ratio	Lower	Upper
134	100		
105	505.8	405.0	607.6

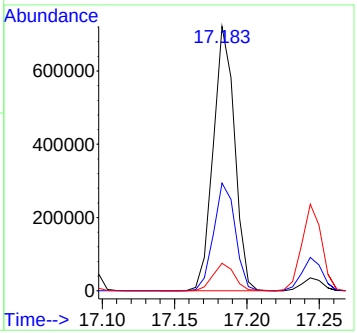


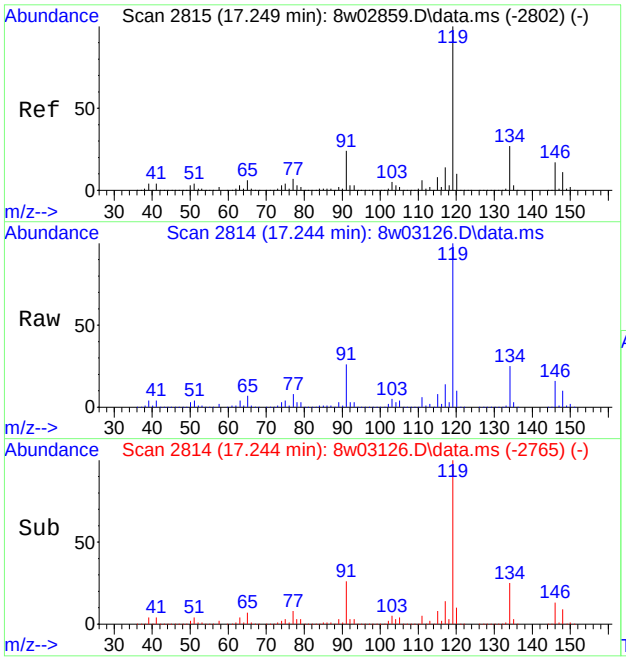


#102
1,2,3-TRIMETHYLBENZENE
Concen: 11.27 PPBV
RT: 17.183 min Scan# 2804
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:105 Resp: 740632

Ion	Ratio	Lower	Upper
105	100		
120	41.3	32.6	49.0
91	10.5	8.4	12.6

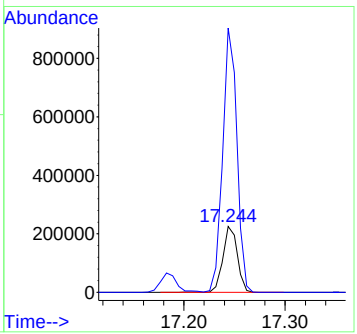


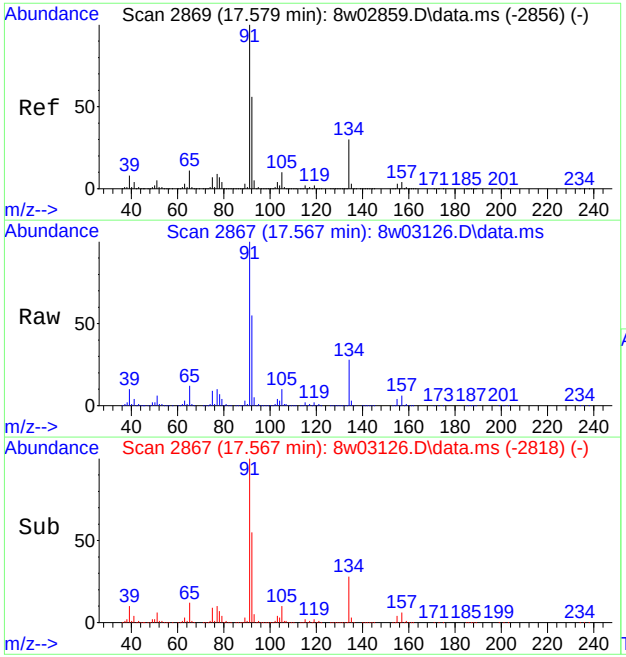


#103
P-ISOPROPYLTOLUENE
Concen: 10.71 PPBV
RT: 17.244 min Scan# 2814
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:134 Resp: 224618

Ion	Ratio	Lower	Upper
134	100		
119	393.5	316.6	474.8

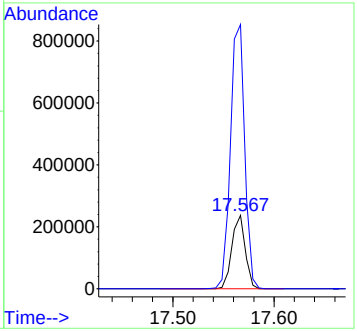


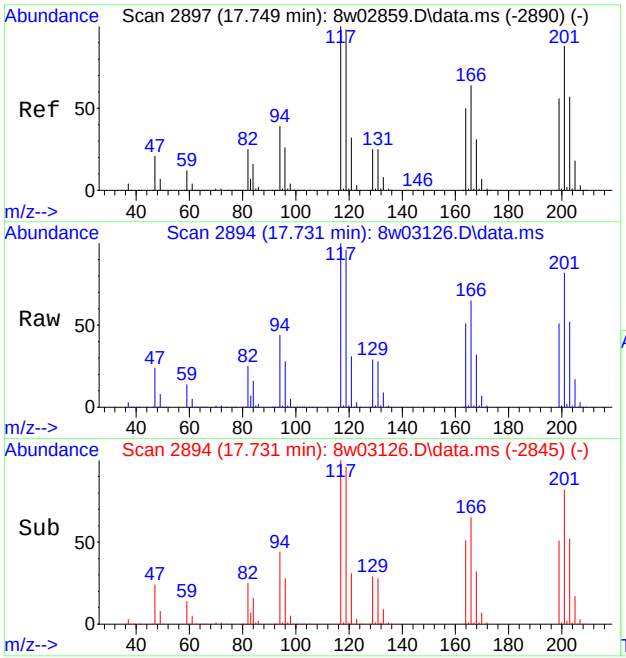


#104
N-BUTYLBENZENE
Concen: 11.10 PPBV
RT: 17.567 min Scan# 2867
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:134 Resp: 218448

Ion	Ratio	Lower	Upper
134	100		
91	382.8	305.3	457.9

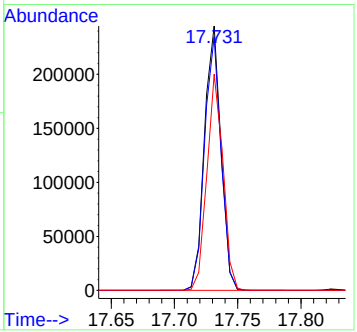


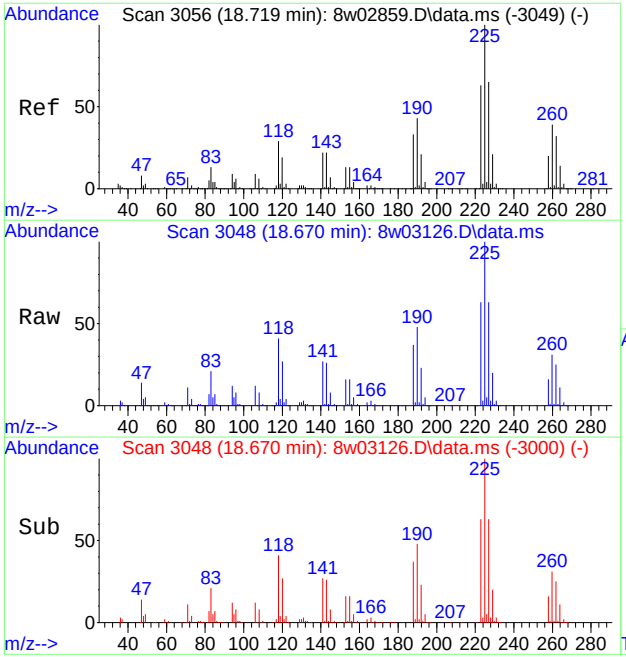


#105
HEXACHLOROETHANE
Concen: 10.45 PPBV
RT: 17.731 min Scan# 2894
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:117 Resp: 221618

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.6
201	79.6	64.2	96.2

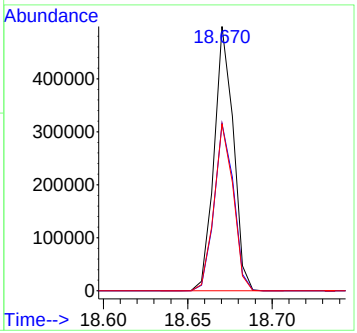


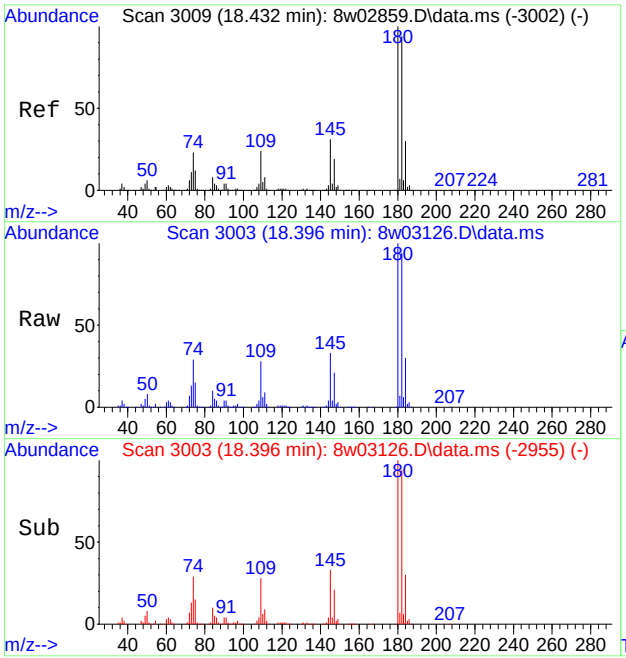


#106
HEXACHLOROBUTADIENE
Concen: 10.26 PPBV
RT: 18.670 min Scan# 3048
Delta R.T. -0.006 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:225 Resp: 395008

Ion	Ratio	Lower	Upper
225	100		
227	63.9	51.2	76.8
223	63.0	50.2	75.4

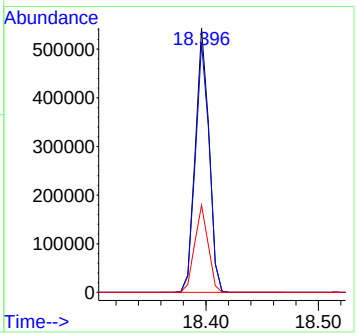


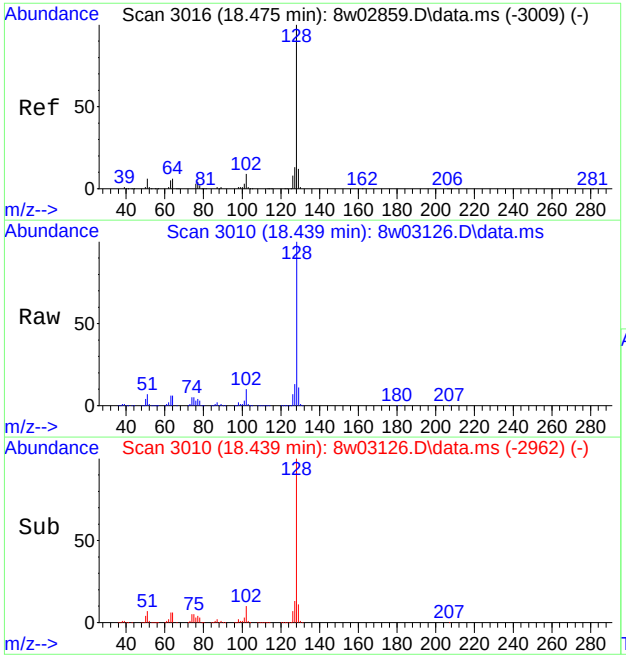


#107
1,2,4-TRICHLOROBENZENE
Concen: 11.08 PPBV
RT: 18.396 min Scan# 3003
Delta R.T. -0.006 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:180 Resp: 461211

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
145	32.3	26.2	39.2

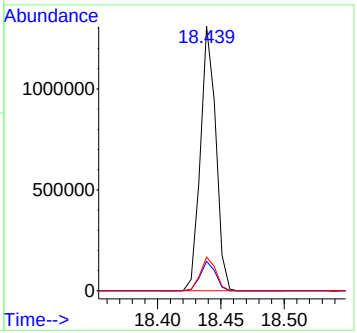


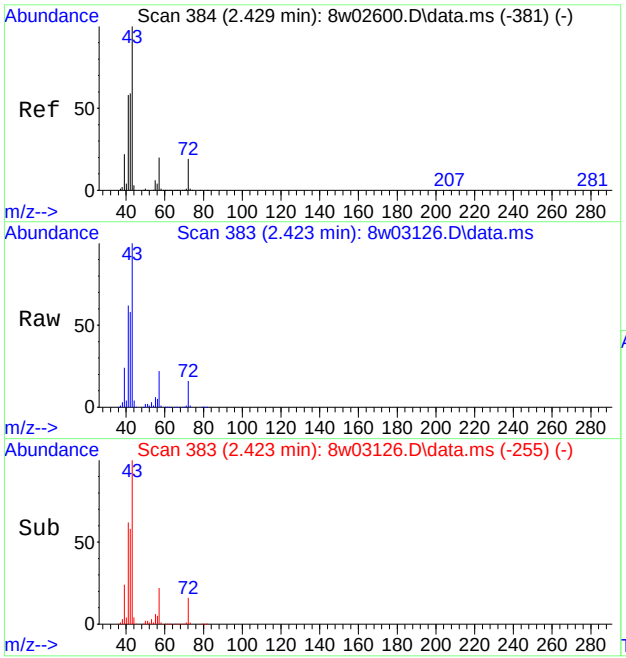


#108
NAPHTHALENE
Concen: 12.21 PPBV
RT: 18.439 min Scan# 3010
Delta R.T. -0.006 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:128 Resp: 1108224

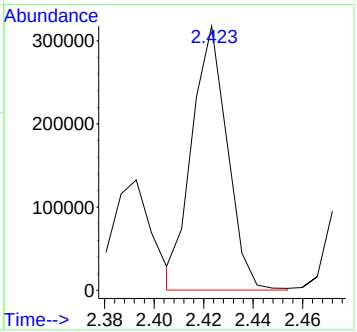
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.8	10.2	15.2





#110
TVHC as equiv Pentane
Concen: 9.55 PPBV m
RT: 2.423 min Scan# 383
Delta R.T. 0.000 min
Lab File: 8w03126.D
Acq: 20 Dec 2023 04:21 am

Tgt Ion:TIC Resp: 314110



Manual Integration Approval Summary

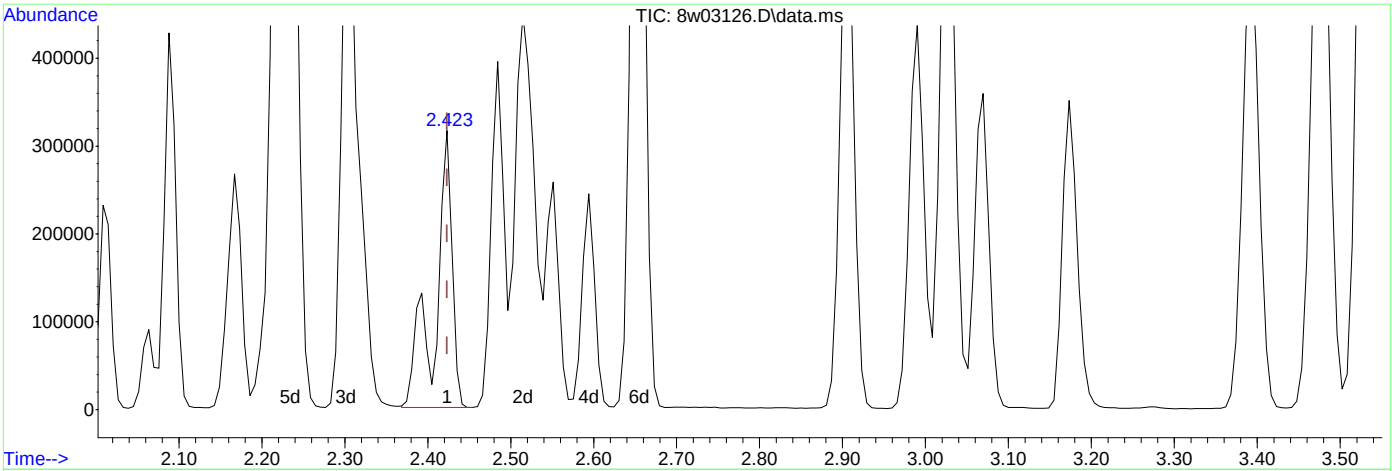
Sample Number:	V8W124-ICV0124	**Method:**	TO-15
Lab FileID:	8W03126.D	**Analyst approved:**	12/21/23 10:34 Taylor Sauter
Injection Time:	12/20/23 04:21	**Supervisor approved:**	12/21/23 12:54 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03126.D
Acq On : 20 Dec 2023 04:21 am
Operator : taylors
Sample : icv0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 08:07:24 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



TIC: 8w03126.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 13.65PPBV

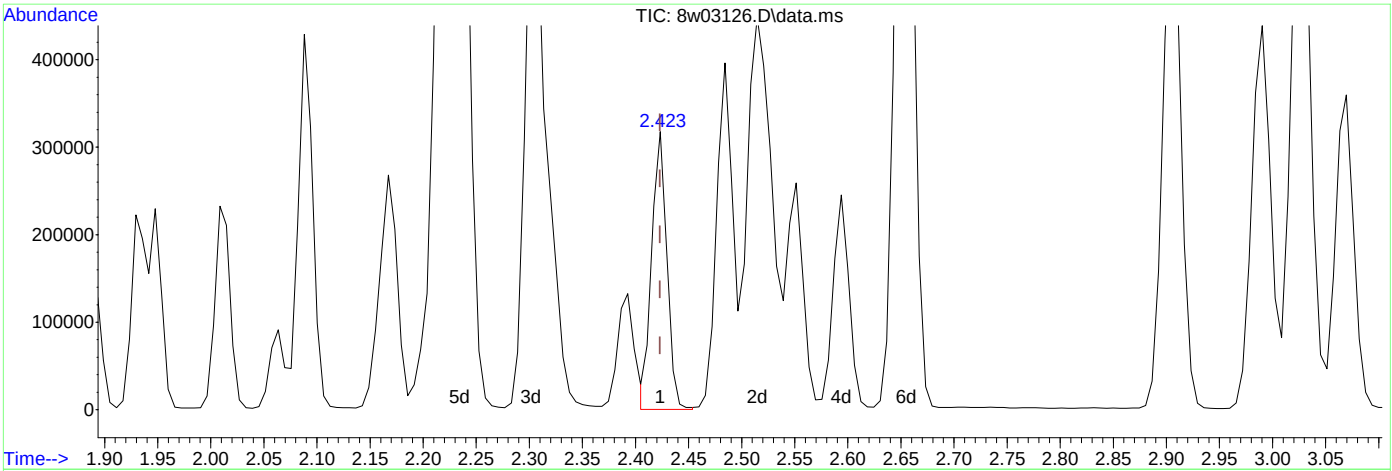
response 449228

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w03126.D
Acq On : 20 Dec 2023 04:21 am
Operator : taylors
Sample : icv0124-10
Misc : MS75442,V8W0124,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 08:08:18 2023
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



TIC: 8w03126.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 9.55PPBV m

response 314110

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/31/24 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04090.D
Acq On : 30 Jan 2024 01:12 pm
Operator : taylors
Sample : cc124-10
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:05:45 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.478	128	149158	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.874	114	769412	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.721	117	708604	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.478	128	149158	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.153	95	527975	9.66	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.740	65	78771	8.71	PPBV	#	88
4) CHLORODIFLUOROMETHANE	1.753	67	34110	9.20	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.765	116	198661	11.66	PPBV		90
6) DICHLORODIFLUOROMETHANE	1.783	85	308703	11.00	PPBV	#	97
7) PROPYLENE	1.759	41	58726	7.48	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.820	65	184101	9.65	PPBV	#	98
9) FREON 114	1.856	85	238196	11.05	PPBV		96
10) CHLOROMETHANE	1.826	52	15354	10.11	PPBV		95
11) VINYL CHLORIDE	1.893	62	69522	10.26	PPBV		99
12) 1,3-BUTADIENE	1.929	54	47370	10.22	PPBV		98
13) N-BUTANE	1.948	43	78610	10.06	PPBV		100
14) BROMOMETHANE	2.015	94	87768	12.17	PPBV		99
15) CHLOROETHANE	2.064	64	40843	10.88	PPBV		96
16) DICHLOROFLUOROMETHANE	2.088	67	187911	10.39	PPBV		98
17) ACETONITRILE	2.161	41	47266	10.88	PPBV		97
18) ACROLEIN	2.204	56	25391	8.31	PPBV		99
19) FREON 123	2.216	83	210595	11.64	PPBV		98
20) FREON 123A	2.234	117	138508	11.65	PPBV		91
21) TRICHLOROFLUOROMETHANE	2.301	101	283029	10.69	PPBV		100
22) ISOPROPYL ALCOHOL	2.320	45	118787	9.65	PPBV		95
23) ACETONE	2.240	58	35075	10.45	PPBV		85
24) PENTANE	2.423	42	54031	10.47	PPBV		96
25) IODOMETHANE	2.484	142	242989	12.13	PPBV		89
26) 1,1-DICHLOROETHYLENE	2.515	96	84758	11.52	PPBV		79
27) CARBON DISULFIDE	2.655	76	154386	10.72	PPBV	#	100
28) ETHANOL	2.094	45	26046	9.96	PPBV		98
29) BROMOETHENE	2.167	106	91589	12.42	PPBV		98
30) ACRYLONITRILE	2.393	52	44079	9.76	PPBV		99
31) METHYLENE CHLORIDE	2.551	84	70959	10.92	PPBV		92
32) 3-CHLOROPROPENE	2.594	76	33752	10.85	PPBV		86
33) FREON 113	2.655	151	163066	11.02	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	2.905	96	160494	12.68	PPBV	#	81
35) TERTIARY BUTYL ALCOHOL	2.527	59	122907	7.86	PPBV	#	93
36) METHYL TERTIARY BUTYL ...	3.027	73	361518	10.59	PPBV	#	95
37) TETRAHYDROFURAN	3.789	72	69534	11.44	PPBV	#	70
38) HEXANE	3.533	57	170289	8.58	PPBV		95
39) VINYL ACETATE	3.069	86	41015	13.00	PPBV	#	27
40) 1,1-DICHLOROETHANE	2.990	63	231636	10.15	PPBV		97
41) METHYL ETHYL KETONE	3.173	72	73077	10.91	PPBV	#	53
42) CIS-1,2-DICHLOROETHENE	3.393	96	163991	11.89	PPBV	#	82
43) DIISOPROPYL ETHER	3.539	59	51682	8.25	PPBV		80
44) ETHYL ACETATE	3.545	61	34397	9.31	PPBV	#	67
45) METHYL ACRYLATE	3.527	55	199408	8.38	PPBV	#	97
46) CHLOROFORM	3.557	83	288205	10.58	PPBV	#	96
47) 2,4-DIMETHYLPENTANE	4.100	57	220992	8.91	PPBV	#	93
48) 1,1,1-TRICHLOROETHANE	4.185	97	292313	11.00	PPBV		96
49) CARBON TETRACHLORIDE	4.642	117	298690	11.33	PPBV		99
50) 1,2-DICHLOROETHANE	4.002	62	177680	8.81	PPBV	#	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04090.D
Acq On : 30 Jan 2024 01:12 pm
Operator : taylors
Sample : cc124-10
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:05:45 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.520	78	447405	11.42	PPBV		88
53)	CYCLOHEXANE	4.746	84	209020	11.86	PPBV	#	77
54)	2,3-DIMETHYLPENTANE	5.026	71	101198	10.68	PPBV	#	64
55)	TRICHLOROETHENE	5.490	95	211117	11.18	PPBV		100
56)	1,2-DICHLOROPROPANE	5.240	63	144710	8.85	PPBV		96
57)	DIBROMOMETHANE	5.197	174	217337	11.76	PPBV		92
58)	ETHYL ACRYLATE	5.368	55	264250	8.75	PPBV	#	97
59)	BROMODICHLOROMETHANE	5.435	83	316031	11.14	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.593	57	579390	8.27	PPBV	#	99
61)	1,4-DIOXANE	5.502	88	112183	10.98	PPBV	#	80
62)	HEPTANE	5.929	43	166022	7.83	PPBV	#	78
63)	METHYL METHACRYLATE	5.819	69	160621	10.70	PPBV	#	75
64)	METHYL ISOBUTYL KETONE	6.593	58	116844	8.28	PPBV	#	83
65)	CIS-1,3-DICHLOROPROPENE	6.483	75	231319	10.96	PPBV	#	87
66)	TOLUENE	7.758	91	578588	11.66	PPBV		100
67)	1,3-DICHLOROPROPANE	7.813	76	271993	11.00	PPBV		98
68)	TRANS-1,3-DICHLOROPROPENE	7.203	75	199188	10.94	PPBV	#	89
69)	1,1,2-TRICHLOROETHANE	7.367	83	166878	10.98	PPBV		100
70)	2-HEXANONE	8.349	58	161602	8.65	PPBV	#	87
71)	ETHYL METHACRYLATE	8.483	69	262615	10.99	PPBV	#	84
72)	TETRACHLOROETHENE	9.556	164	251037	12.19	PPBV		93
73)	DIBROMOCHLOROMETHANE	8.312	129	308796	10.97	PPBV		100
74)	1,2-DIBROMOETHANE	8.672	107	313129	11.65	PPBV		100
75)	OCTANE	9.702	43	230988	7.87	PPBV	#	76
77)	1,1,1,2-TETRACHLOROETHANE	10.812	131	226201	10.82	PPBV		99
78)	CHLOROBENZENE	10.800	112	473934	11.38	PPBV		97
79)	ETHYLBENZENE	11.702	91	762143	11.74	PPBV		98
80)	M,P-XYLENE	12.141	91	1180797	23.34	PPBV		100
81)	O-XYLENE	13.092	91	598005	11.74	PPBV		98
82)	STYRENE	12.873	104	448390	11.87	PPBV		97
83)	NONANE	14.220	43	241830	7.42	PPBV	#	82
84)	BROMOFORM	11.952	173	311596	11.87	PPBV	#	98
85)	1,1,2,2-TETRACHLOROETHANE	13.104	83	418262	11.24	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	13.391	75	325173	10.70	PPBV		100
88)	ISOPROPYLBENZENE	14.628	120	230398	11.37	PPBV		94
89)	BROMOBENZENE	14.500	77	407329	10.97	PPBV		92
90)	2-CHLOROTOLUENE	15.646	126	209843	11.41	PPBV		99
91)	N-PROPYLBENZENE	15.976	120	241606	11.69	PPBV		100
92)	4-ETHYLTOLUENE	16.262	105	873267	12.24	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.402	105	725852	12.05	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.585	118	253646	8.77	PPBV		99
95)	TERT-BUTYLBENZENE	16.829	134	161637	11.33	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	16.835	105	696157	11.77	PPBV		99
97)	BENZYL CHLORIDE	16.908	91	304997	9.75	PPBV		98
98)	M-DICHLOROBENZENE	16.890	146	492892	11.91	PPBV		98
99)	P-DICHLOROBENZENE	16.969	146	495870	11.94	PPBV		99
100)	O-DICHLOROBENZENE	17.244	146	457256	11.82	PPBV		98
101)	SEC-BUTYLBENZENE	17.085	134	204327	11.43	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	17.195	105	720431	11.83	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.256	134	221259	11.38	PPBV		96
104)	N-BUTYLBENZENE	17.579	134	218919	12.00	PPBV		92
105)	HEXACHLOROETHANE	17.750	117	220047	11.19	PPBV	#	91
106)	HEXACHLOROBUTADIENE	18.719	225	454064	12.73	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.433	180	513068	13.30	PPBV		98
108)	NAPHTHALENE	18.481	128	1032440	12.27	PPBV		100
110)	TVHC as equiv Pentane	2.423	TIC	289191m	9.54	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04090.D
Acq On : 30 Jan 2024 01:12 pm
Operator : taylors
Sample : cc124-10
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:05:45 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration

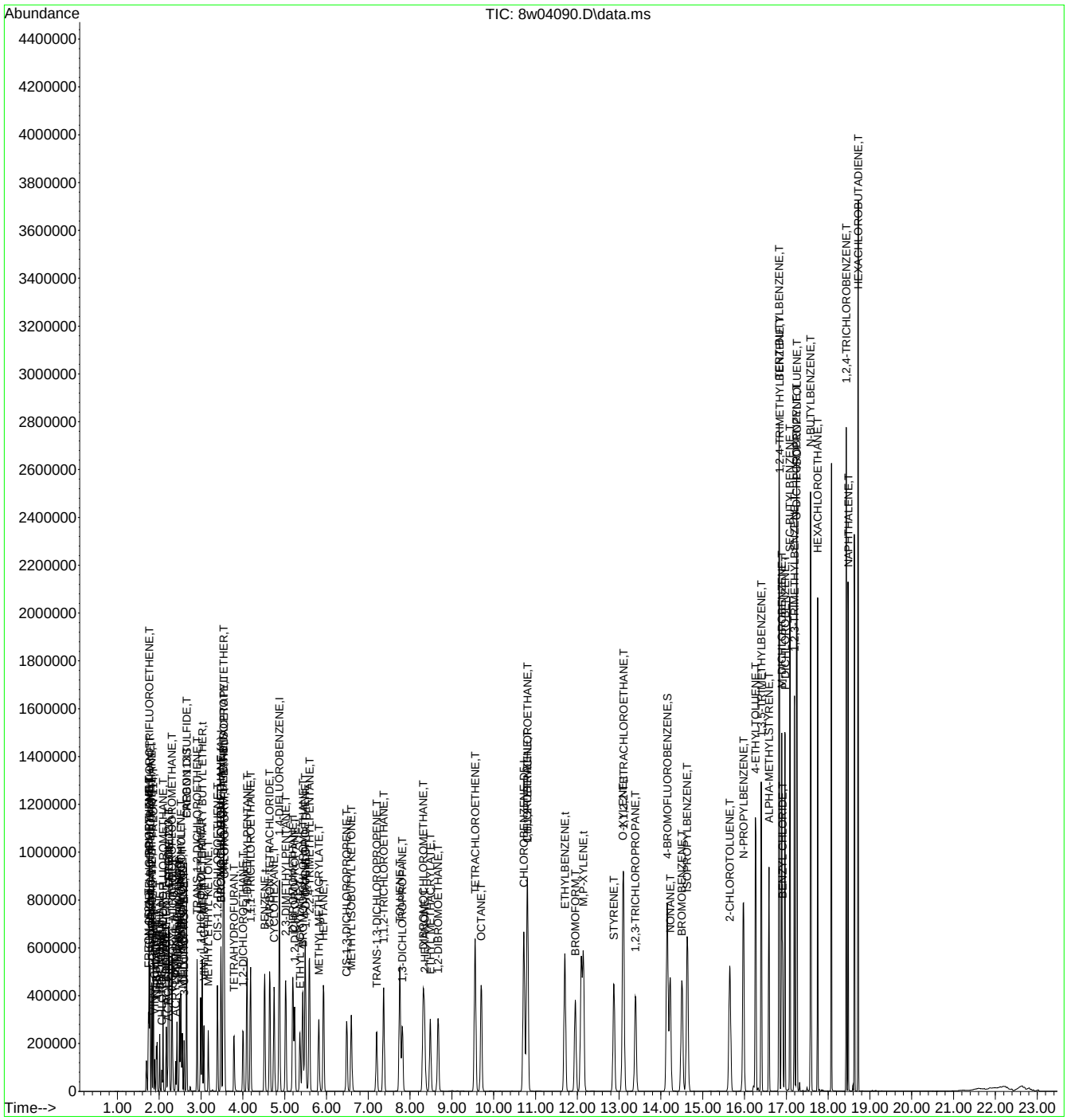
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04090.D
Acq On : 30 Jan 2024 01:12 pm
Operator : taylors
Sample : cc124-10
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 11:05:45 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



Manual Integration Approval Summary

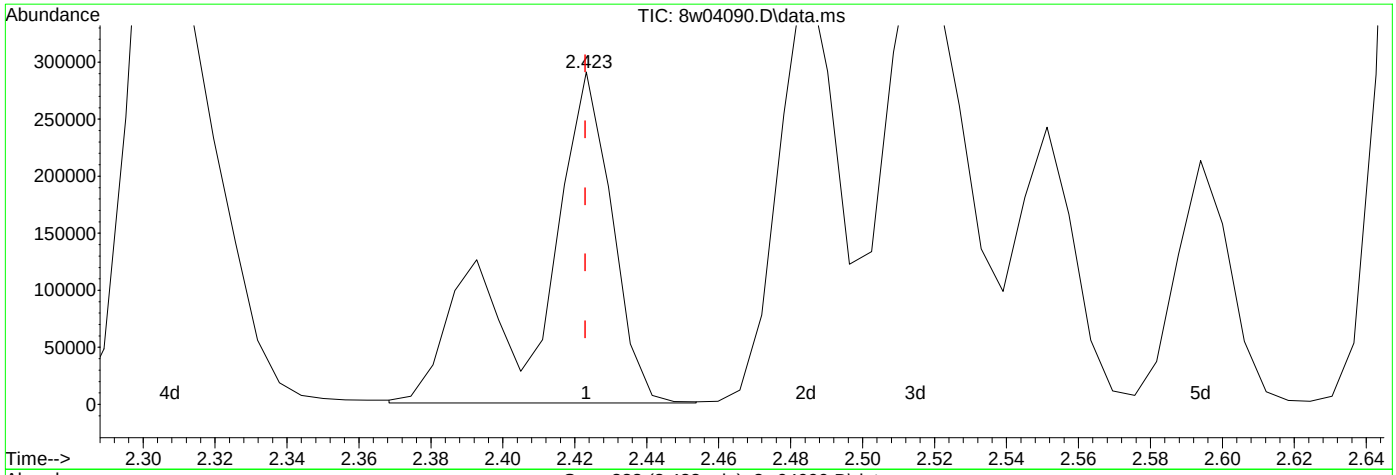
Sample Number:	V8W162-CC124	**Method:**	TO-15
Lab FileID:	8W04090.D	**Analyst approved:**	01/31/24 11:39 Taylor Sauter
Injection Time:	01/30/24 13:12	**Supervisor approved:**	01/31/24 13:01 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.42	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04090.D
Acq On : 30 Jan 2024 01:12 pm
Operator : taylors
Sample : cc124-10
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 13:36:17 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



TIC: 8w04090.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 13.91PPBV

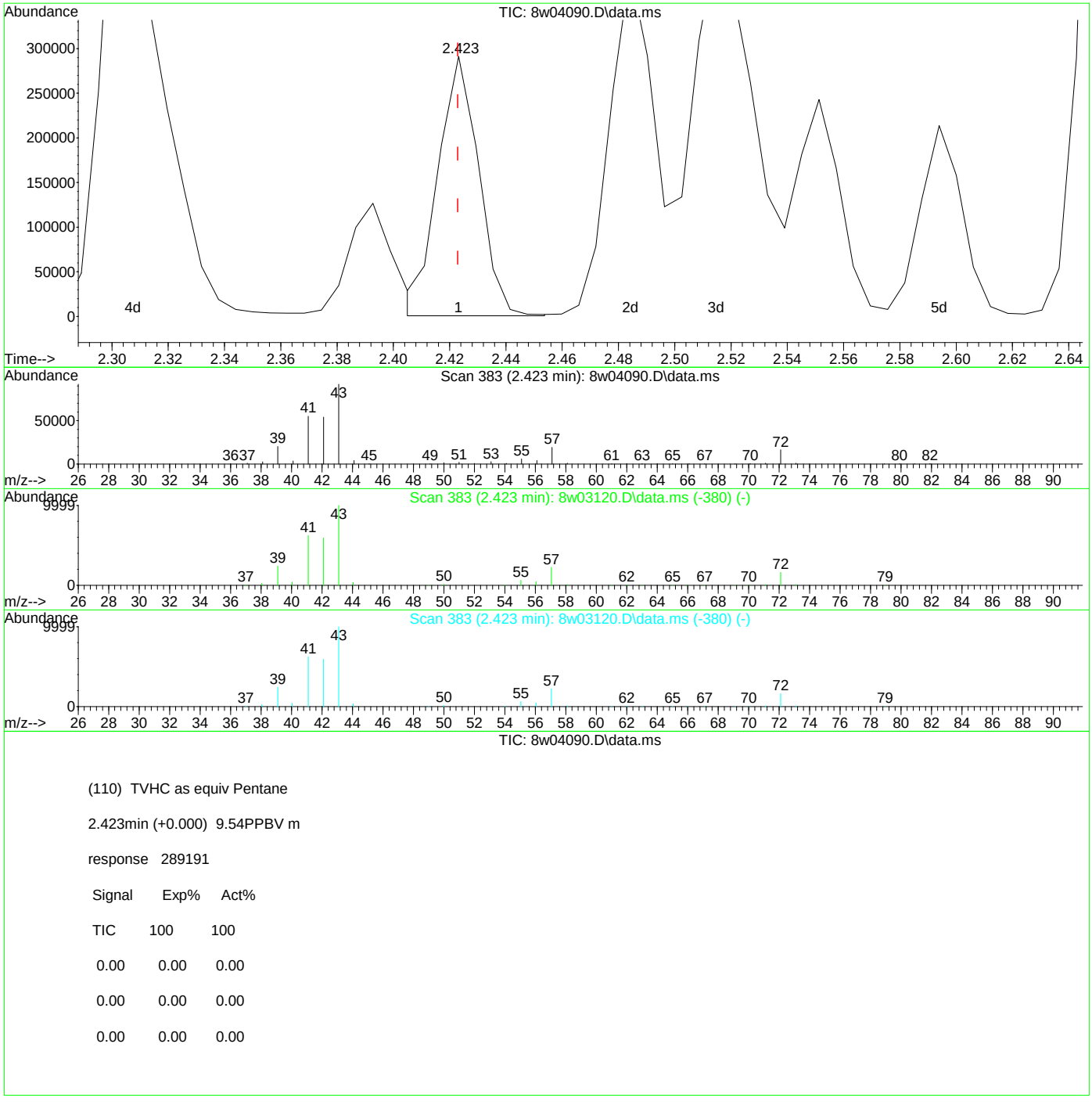
response 421453

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w04090.D
Acq On : 30 Jan 2024 01:12 pm
Operator : taylors
Sample : cc124-10
Misc : MS77312,V8W0162,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 13:36:17 2024
Quant Method : C:\msdchem\1\methods\m8w0124.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Dec 21 08:07:01 2023
Response via : Initial Calibration



TIC: 8w04090.D\data.ms

(110) TVHC as equiv Pentane

2.423min (+0.000) 9.54PPBV m

response 289191

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

SGS

TO-15

Batch ID: V7W 138

Date: 9/21/2023

Analyst Signature:

Columns: DB-1 30 x 0.25mm x 0.5µm
Method: 7W TO15 SPL+.M
Seq. File: 7W 20230921R.S
Initial Cal. Method: M7W0138.M

AS Data

Method: 7W TO15.7200A CTO

Standard Data

Lot #	Description	Conc.
AS9889	Int/Surr	100ppbv
~~AS9888~~	TO15STD (A1787)	1.0ppbv

Standard Data

Lot #	Description	Conc.
AS10001	TO15STD (~~A9668~~ A9668)	1.0 ppbv
AS9997	TO15 STD (A9668)	40ppbv
AS10000	TO15LCS (A1795)	40ppbv
~~AS9894~~	~~Internal/Surrogate~~	~~100ppbv~~

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature: Date: 9/25/2023

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int/STD Areas	Surr	Status Data	Comments
1-1	7W03337	1B		A2039	20						
1-1	7W03338	1B		A2039	20						
1-1	7W03339	1B		A2039	20						
1-2	7W03340	BFB		A966	16						
1-2	7W03341	IC0138-0.04		A966	16						T=5:34 PM
1-2	7W03342	IC0138-0.10		A966	40					RR	BAD CANISTER
1-2	7W03343	IC0138-0.20		A966	80					RR	VALVE LEAKING
1-2	7W03344	IC0138-0.50		A966	200					RR	↓
1-3	7W03345	IC0138-0.50		A968	5					NOT USING	
1-3	7W03346	IC0138-5		A968	50			✓	✓	dl	
1-3	7W03347	ICC0138-10		A968	100			✓	✓	dl	
1-3	7W03348	IC0138-20		A968	200			✓	✓	dl	
1-3	7W03349	IC0138-40		A968	400			✓	✓	dl	
1-3	7W03350	IC0138-50		A968	500			✓	✓	dl	
1-1	7W03351	1B		A2039	20					—	
1-1	7W03352	1B		A2039	20					—	
1-4	7W03353	ICV0138-10		A1795	100					NOT USING	
1-1	7W03354	1B		A2039	20					—	
1-1	7W03355	1B		A2039	20					—	
1-2	7W03356	1B		A1787	20					—	
1-2	7W03357	IC0138-0.04		A1787	16			✓	✓	dl	
1-2	7W03358	ICD138-0.10		A1787	40			✓	✓	dl	
1-2	7W03359	IC0138-0.20		A1787	80			✓	✓	dl	
1-2	7W03360	IC0138-0.50		A1787	200			✓	✓	dl	
1-1	7W03361	1B		A2039	20					—	
1-1	7W03362	1B		A2039	20					—	
1-4	7W03363	ICV0138-10		A1795	100			✓	✓	dl	
1-1	7W03364	1B		A2039	20					—	

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

9/22/23

SGS

TO-15

Batch ID: V7W151

Date: 10/6/2023

Analyst Signature: Taylor B

Columns: DB-1301 x0.25mm x0.5µm
Method: 7WTO15SQ1.M
Seq. File: 7W20231006.S
Initial Cal. Method: M7W0138.M

AS Data

Method: 7WTO15.7200A.CP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS9889	Int/Surr	100ppbv
AS10009	TO15STD (A1802)	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature: [signature] Date: 10/10/2023

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
2-1	7W03731	BFB		open position	20					OK	T=8:41am
2-2	7W03732	CC138-10		A1802	100			↘	↘	OK	
2-2	7W03733	BS		A1802	100			↘	↘	OK	
2-2	7W03734	BSD		A1802	100			↘	↘	OK	
2-3	7W03735	IB		A2039	100					–	
2-3	7W03736	MB		A2039	400		+	↘	↘	OK	
2-4	7W03737	JD74104-1	MS73829 STD+	A1955	10	1		↘	↘	OK/DL	
2-5	7W03738	JD74230-1	MS73886 STD, Nap	A1393	100	1		↘	↘	OK	
2-5	7W03739	JD74230-1Dup	↘	A1393	100	1		↘	↘	OK	
2-6	7W03740	JD74105-1	MS73830 STD+, Nap	A2285	100	1	+	↘	↘	OK/DL	F/D, ~~4x~~ 20cc
2-7	7W03741	JD74105-2	↘	A2272	50	1	+	↘	↘	OK	
2-8	7W03742	JD74105-3	↘	A1394	25	1	+	↘	↘	OK	
2-9	7W03743	JD74105-4	↘	A2249	20	1	+	↘	↘	OK	
~~2-10~~	7W03744	IB		A2036	20					–	
2-10	7W03745	JD73917-1	MS73742 STD	A2397	100	1		↘	↘	OK	
2-11	7W03746	JD73917-2	↘	A2378	100	1		↘	↘	OK	
2-12	7W03747	JD73917-3	↘	~~A1913~~ A2394	~~268~~ 100	~~2.68~~ 1		↘	↘	OK/DL	F/D, 20cc
2-13	7W03748	JD73917-4	↘	A1918	268	2.68		↘	↘	OK/DL	F/D, 20cc
2-14	7W03749	JD73917-5	↘	A1370	100	1		↘	↘	OK	
2-15	7W03750	JD73989-6 1	MS73775 STD	A2368	157	1.52		↘	↘	OK/DL	F/D, 20cc
2-16	7W03751	JD73989-2	↘	A2391	100	1		↘	↘	OK/DL	F/D, 20cc
2-1	7W03752	JD73989-3	↘	A1537	152	1.52		↘	↘	OK	
C1	7W03753	JD73990-1	MS73775 SCC	A1933	100	1		↘	↘	OK/DL	F/D, 20cc
C2	7W03754	JD73990-2	↘	A1982	100	1		↘	↘	OK	
C3	7W03755	JD73990-3	↘	A1516	100	1		↘	↘	OK	
C4	7W03756	JD73990-4	↘	A1456	100	1		↘	↘	OK	
C5	7W03757	SCC, CP12417		A1436	100			↘	↘	OK	
C6	7W03758	SCC, CP12417		A622	100			↘	↘	OK	
C7	7W03759	SCC, CP12417		A1143	100			↘	↘	OK	
C8	7W03760	SCC, CP12439		A761	400			↘	↘	OK	–

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V7W151

Date: 10/6/2023

Analyst Signature: Tuyler Sa

Columns: DB-1 30M x 0.25mm x 0.5µm
Method: 7WTO15SPLIT.M
Seq. File: 7W20231006-5
Initial Cal. Method: MZW0138.M

AS Data

Method: 7WTO15.7200A.CTO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4884	Int Std	100ppbv
AS10009	TO15STD (A1502)	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature: [signature] Date: 10/10/2023

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
C9	7W03761	SCC, CP12439		A2030	400			✓	✓	OK	
D1	7W03762	SCC, CP12439		M626	400			✓	✓	OK	
D2	7W03763	SCC, CP12459		A769	400			✓	✓	OK	
D3	7W03764	SCC, CP12439		A824	400			✓	✓	OK	
D4	7W03765	SCC, CP12439		M229	400			✓	✓	OK	
D5	7W03766	SCC, CP12439		A827	400			✓	✓	OK	
D6	7W03767	SCC, CP12439		M401	400					NR	Seq stopped
2-2	7W03768	SCC, CP12439		A2186	400					↓	
2-3	7W03769	SCC, CP12439		A279	400					↓	
2-4	7W03770	SCC, CP12459		A347	400					↓	
2-5	7W03771	SCC, CP12439		A274	400					NR	Seq. stopped manually

TS 10/7/23

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V7W152

Date: 10/7/2023

Analyst Signature: Tyler Sp

Columns: DB-1 30m x 0.25mm x 0.5µ
Method: 7WTO15split-M
Seq. File: 7W20231007.S
Initial Cal. Method: M7W0138.M

AS Data

Method: 7WTO15.7200A.CTO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS9889	Int/Surr	100 ppbv
AS10009	TO15STO(A1802)	40 ppbv
AS10010	TO15STO(A1798)	40 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature: [signature] Date: 10/10/2023

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
2-1	7W03772	BFB		open position	20						
2-2	7W03773	cc138-10		A1802	100					NG	return instrument
2-1	7W03774	BFB		open position	20						
2-2	7W03775	cc138-10		A1802	100					RR	new canister
2-2	~~7W03775~~	cc138-10		A1798	100					NG	return 7W03776
2-2	~~7W03776~~	BFB		A1798	100						7W03777
2-2	7W03777	cc138-10		A1798	100			✓	✓	OK	7W03778
2-2	7W03779	BS		A1798	100			✓	✓	OK	
2-2	7W03780	BSD		A1798	100			✓	✓	OK	
2-3	7W03781	IB		A2039	100					-	
2-3	7W03782	MB		A2039	400			✓	✓	OK	
2-4	7W03783	scc, cp12436		A1207	100			✓	✓	OK	
2-5	7W03784	scc, cp12436		A1280	100			✓	✓	OK	
2-6	7W03785	scc, cp12436		A393	100					RR	#319
2-7	7W03786	scc, cp12439		M401	400			✓	✓	~~OK~~ NG	~~multiple hits~~
2-8	7W03787	scc, cp12439		A274	400					NG	multiple hits
2-9	7W03788	scc, cp12439		A2186	400			✓	✓	OK	
2-10	7W03789	scc, cp12439		A279	400					NG	multiple hits
2-11	7W03790	scc, cp12436		M314	400			✓	✓	OK	
2-12	7W03791	scc, cp12439		A347	400					NG	multiple hits
2-13	7W3792	scc, cp12442		A1050	400			✓	✓	OK	
2-14	7W03793	scc, cp12442		A1068	400			✓	✓	OK	
2-15	7W03794	scc, cp12442		A983	400					NG	multiple hits
2-16	7W03795	scc, cp12442		A813	400			✓	✓	OK	
2-1	7W03796	scc, cp12442		A877	400			✗		NG	acetone ✗
2-2	7W03797	scc, cp12442		M284	400			✓	✓	OK	
2-3	7W03798	scc, cp12440		A1388	100			✓	✓	OK	
2-4	7W03799	scc, cp12440		A1384	100			✓	✓	OK	
C1	7W03800	scc, cp12438		A1861	400					NG	acetone
C2	7W03801	scc, cp12438		A1873	400					NG	acetone

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V7W152

Date: 10/7/2023

Analyst Signature: Taylor

Columns: DB-1 30m x 0.25mm x 0.5µm
Method: 7W TO15Split.M
Seq. File: 7W20231007.S
Initial Cal. Method: M7W0138.M

AS Data

Method: 7W TO15.7200A.CTO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS9889	Int/Surr	100ppbv
AS10010	TO15 STD (A1798)	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature: [signature] Date: 10/10/2023

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
C3	7W03802	SCC,CP12438		A2066	400					NG	acetone
C4	7W03803	SCC,CP12458		A1775	400					NG	acetone
C5	7W03804	SCC,CP12286		A532	100					NG	multiple hits
C6	7W03805	SCC,CP12286		A590	100					NG	multiple hits
C7	7W03806	SCC,CP12286		A537	100					NG	multiple hits

TS 10/10/23

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1420	AS9902	5/31/2024	100
TO-15 STD	A1806	AS10113	1/19/2024	40
TO-15 LCS	A1798	AS10104	1/15/2024	40.0
TO-15 STD	A1803	AS10114	1/19/2024	1

Batch ID: V8w124
Date: 12/19/2023
Laboratory Analyst: Taylor Sauter
Columns: DB-1 30mx0.25mmx0.5um
GCMS Method: 8WTO15.M
Sequence File: 8w20231219.s
Initial Calibration Method: M8W0124.M
Concentrator Method: 8WTO15.7200A.CTD
Data Validator: Taylor Sauter

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-1	ib	8w03108			A2039	20						
1-1	ib	8w03109			A2039	20						
1-1	ib	8w03110			A2039	20						
1-1	ib	8w03111			A2039	20						
1-1	ib	8w03112			A2039	20						
1-2	bfb	8w03113			A1803	16					OK	t=8:37pm
1-2	lc0124-0.04	8W03114			A1803	16			√	√	OK	
1-2	ic0124-0.10	8w03115			A1803	40			√	√	OK	
1-2	ic0124-0.20	8w03116			A1803	80			√	√	OK	
1-2	ic0124-0.50	8w03117			A1803	200			√	√	OK	
1-3	ic0124-0.50	8w03118			A1803	5			√	√	OK	
1-3	ic0124-5	8w03119			A1806	50			√	√	OK	
1-3	icc0124-10	8w03120			A1806	100			√	√	OK	
1-3	ic0124-20	8w03121			A1806	200			√	√	OK	
1-3	ic0124-40	8w03122			A1806	400			√	√	OK	
1-3	ic0124-50	8w03123			A1806	500			√	√	OK	
1-1	ib	8w03124			A2036	20						
1-1	ib	8w03125			A2036	20						
1-1	icv0124-10	8w03126			A1798	100			√	√	OK	
1-4	ib	8w03127			A2036	20						
1-1	ib	8w03128			A2036	20						

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1420	AS9902	5/31/2024	100
TO-15 STD	A1798	AS10148	2/12/2024	40
TO-15 STD	A980	AS10148	2/12/2024	40

Batch ID: V8w162
Date: 1/30/2024
Laboratory Analyst: Taylor Sauter
Columns: DB-1 30mx0.25mmx0.5um
GCMS Method: 8WTO15.M
Sequence File: 8w20240130.s
Initial Calibration Method: M8W0124.M
Concentrator Method: 8WTO15.7200A.CTD
Data Validator: Taylor Sauter

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-1	bfb	8w04089			open position	20					OK	t=12:37pm
1-2	cc124-10	8w04090			a1798	100			√	√	OK	124tcb ↑
1-1	bs	8w04091			a1798	100			√	√	OK	124tcb ↑
1-2	bsd	8w04092			a1798	100			√	√	OK	124tcb,vinyl acetate ↑
1-3	ib	8w04093			a2044	100						
1-3	mb	8w04094			a2044	400		+	√	√	OK	
1-4	jd81246-1	8w04095	MS77312	SL	a2411	100	1		√	√	OK	
1-4	jd81246-1dup	8w04096	MS77312	SL	a2411	100	1		√	√	OK	
1-5	jd81245-1	8w04097	MS77312	NYSVLL	a503	148	1.48		√	√	OK	
1-6	jd81245-2	8w04098	MS77312	NYSVLL	a408	100	1		√	√	OK	
1-7	jd81373-1	8w04099	MS77320	STD	a1706	100	1		√	√	OK	
1-8	jd81373-3	8w04100	MS77320	STD	m102	100	1		√	√	OK	
1-9	jd83173-2	8w04101	MS77320	STD	a263	100	1		√	√	OK	
1-10	jd80882-3	8w04102	MS77084	SL+	a1712	640	1.6	+	√	√	OK	
1-11	jd81060-1	8w04103	MS77191	STD+,nap	a2032	400	1		√	√	OK/DL	acetone ↑, RR4x
1-12	jd81060-2	8w04104	MS77191	STD+,nap	a1844	148	1.48		√	√	OK	
1-13	jd81060-3	8w04105	MS77191	STD+,nap	a647	400	1		√	√	OK	
1-14	jd81061-1	8w04106	MS77191	STD+,nap	a1832	400	1		√	√	OK	trans-1,2 DCE ↑, RR4x
1-15	jd81061-2	8w04107	MS77191	STD+,nap	a738	400	1		√	√	OK	trans-1,2 DCE ↑, RR20x
1-3	ib	8w04108			a2044	20						
1-16	scc,cp12604	8w04109			a1982	100			√	√	OK	
2-1	scc,cp12604	8w04110			a1552	100			√	√	OK	
2-2	scc,cp12604	8w04111			a1893	100						
2-3	scc,cp12604	8w04112			a1459	100			√	√	OK	
2-4	scc,cp12604	8w04113			a1889	100			√	√	OK	
2-5	scc,cp12604	8w04114			a1398	100			√	√	OK	
2-6	scc,cp12597	8w04115			a2457	400			√	√	OK	
2-7	scc,cp12597	8w04116			a2470	400			√	√	OK	

2Q 2024 Aqueous

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

US-WSP.31405608.001/TASK02 ;PO# P101212U5001

SGS Job Number: JD89699

Sampling Date: 06/03/24

Report to:

WSP
13530 DULLES TECHNOLOGY DRIVE Suite 300
Herndon, VA 20171
jeffrey.baker@wsp.com

ATTN: Jeffrey Baker

Total number of pages in report: **1066**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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SGS North America Inc.

Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD89699

EPT, Ithaca, NY
Project No: US-WSP.31405608.001/TASK02 ;PO# P101212U5001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD89699-1	06/03/24	14:35	KG	06/04/24	AQ	Water	WPOSTGAC
JD89699-2	06/03/24	14:45	KG	06/04/24	AQ	Water	WMIDGAC
JD89699-3	06/03/24	14:56	KG	06/04/24	AQ	Water	WAS
JD89699-4	06/03/24	15:02	KG	06/04/24	AQ	Water	WINF

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	WSP USA Environment & Infrastructure Inc	**Job No:**	JD89699
Site:	EPT, Ithaca, NY	**Report Date**	6/12/2024 4:37:41 AM

On 06/04/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 3.5 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD89699 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method EPA 624.1

Matrix: AQ **Batch ID:** V4D6052

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD89657-9MS, JD89657-9MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of Chloroform, cis-1,2-Dichloroethene, Methyl Tert Butyl Ether are outside control limits. Outside control limits due to matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of Chloroform, cis-1,2-Dichloroethene are outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** V4D6056

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD89699-4MS, JD89699-4MSD were used as the QC samples indicated.
- The matrix spike (MS) and matrix spike duplicate (MSD) recovery(s) of cis-1,2-Dichloroethene, Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD89699-4: Dilution required due to high concentration of target compound.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD89699
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 06/03/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD89699-1	**WPOSTGAC**					
cis-1,2-Dichloroethene		5.4	1.0	0.51	ug/l	EPA 624.1
JD89699-2	**WMIDGAC**					
No hits reported in this sample.						
JD89699-3	**WAS**					
No hits reported in this sample.						
JD89699-4	**WINF**					
cis-1,2-Dichloroethene [a]		905	5.0	2.5	ug/l	EPA 624.1
trans-1,2-Dichloroethene [a]		3.7 J	5.0	2.3	ug/l	EPA 624.1
Trichloroethene [a]		484	5.0	2.1	ug/l	EPA 624.1

(a) Dilution required due to high concentration of target compound.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	WPOSTGAC		
Lab Sample ID:	JD89699-1	**Date Sampled:**	06/03/24
Matrix:	AQ - Water	**Date Received:**	06/04/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D137142.D	1	06/06/24 20:04	NW	n/a	n/a	V4D6052
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	5.4	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: WPOSTGAC
Lab Sample ID: JD89699-1
Matrix: AQ - Water
Method: EPA 624.1
Project: EPT, Ithaca, NY

Date Sampled: 06/03/24
Date Received: 06/04/24
Percent Solids: n/a

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	100%		80-128%
2037-26-5	Toluene-D8 (SUR)	102%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	109%		79-117%
1868-53-7	Dibromofluoromethane (S)	111%		84-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	WMIDGAC		
Lab Sample ID:	JD89699-2	**Date Sampled:**	06/03/24
Matrix:	AQ - Water	**Date Received:**	06/04/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D137143.D	1	06/06/24 20:32	NW	n/a	n/a	V4D6052
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WMIDGAC		
Lab Sample ID:	JD89699-2	**Date Sampled:**	06/03/24
Matrix:	AQ - Water	**Date Received:**	06/04/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	101%		80-128%
2037-26-5	Toluene-D8 (SUR)	102%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	107%		79-117%
1868-53-7	Dibromofluoromethane (S)	110%		84-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	WAS		
Lab Sample ID:	JD89699-3	**Date Sampled:**	06/03/24
Matrix:	AQ - Water	**Date Received:**	06/04/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D137144.D	1	06/06/24 21:01	NW	n/a	n/a	V4D6052
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WAS		
Lab Sample ID:	JD89699-3	**Date Sampled:**	06/03/24
Matrix:	AQ - Water	**Date Received:**	06/04/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	99%		80-128%
2037-26-5	Toluene-D8 (SUR)	103%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	109%		79-117%
1868-53-7	Dibromofluoromethane (S)	111%		84-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	WINF		
Lab Sample ID:	JD89699-4	**Date Sampled:**	06/03/24
Matrix:	AQ - Water	**Date Received:**	06/04/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D137234.D	5	06/11/24 12:52	NW	n/a	n/a	V4D6056
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	15	ug/l	
71-43-2	Benzene	ND	5.0	3.6	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	4.7	ug/l	
75-25-2	Bromoform	ND	5.0	3.0	ug/l	
74-83-9	Bromomethane	ND	5.0	4.3	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	9.9	ug/l	
75-15-0	Carbon disulfide	ND	5.0	2.6	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	4.4	ug/l	
75-00-3	Chloroethane	ND	5.0	2.7	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.9	ug/l	
98-82-8	Cumene	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	10	3.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	4.9	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.4	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	4.6	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	3.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.1	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	4.8	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	2.2	ug/l	
156-59-2	cis-1,2-Dichloroethene	905	5.0	2.5	ug/l	
156-60-5	trans-1,2-Dichloroethene	3.7	5.0	2.3	ug/l	J
78-87-5	1,2-Dichloropropane	ND	5.0	4.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	4.6	ug/l	
100-41-4	Ethylbenzene	ND	5.0	4.2	ug/l	
76-13-1	Freon 113	ND	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	25	8.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WINF		
Lab Sample ID:	JD89699-4	**Date Sampled:**	06/03/24
Matrix:	AQ - Water	**Date Received:**	06/04/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	16	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
79-20-9	Methyl Acetate	ND	25	3.2	ug/l	
108-87-2	Methylcyclohexane	ND	25	7.2	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.6	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.0	ug/l	
108-88-3	Toluene	ND	5.0	3.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/l	
79-01-6	Trichloroethene	484	5.0	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	1.7	ug/l	
75-01-4	Vinyl chloride	ND	5.0	3.9	ug/l	
1330-20-7	Xylenes (total)	ND	5.0	3.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	101%		80-128%
2037-26-5	Toluene-D8 (SUR)	105%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	109%		79-117%
1868-53-7	Dibromofluoromethane (S)	110%		84-121%

(a) Dilution required due to high concentration of target compound.

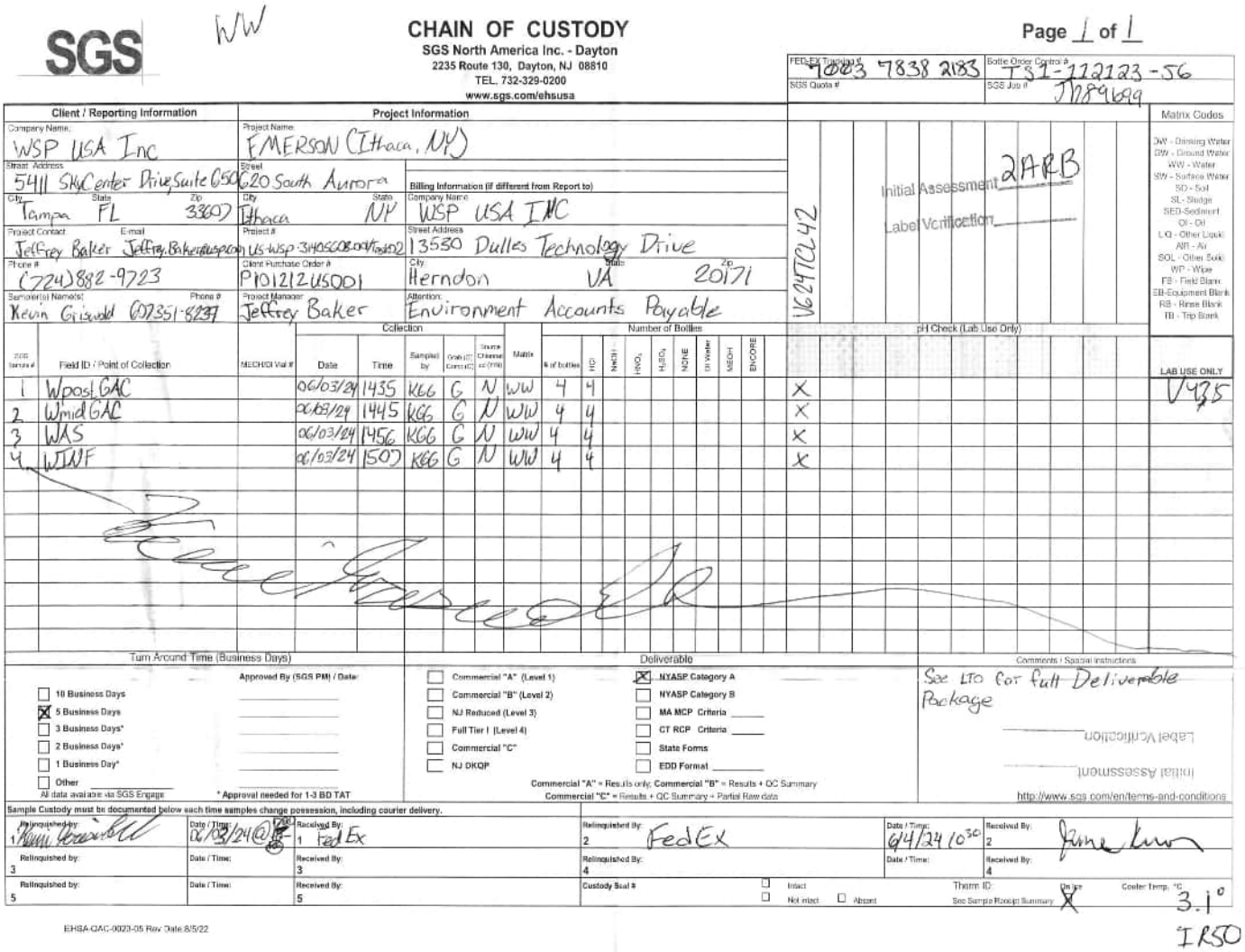
ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody



SGS

WW

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking # 7083 7838 2183 | Bottle Order Control # T31-122123-56
SGS Quote # | SGS Job # JD89699

Client / Reporting Information

Company Name: WSP USA Inc
Street Address: 5411 SkyCenter Drive Suite 650
City: Tampa State: FL Zip: 33607
Project Contact: Jeffrey Baker E-mail: Jeffrey.Baker@wsp.com
Phone #: (724)882-9723
Sampler(s) Name(s): Kevin Griswold Phone #: 607351-8237

Project Information

Project Name: EMERSON (Ithaca, NY)
Street: 620 South Aurora
City: Ithaca State: NY
Project #: US-WSP-31405208.00.0T0302
Client Purchase Order #: P101212US001
Project Manager: Jeffrey Baker

Billing Information (if different from Report to)

Company Name: WSP USA INC
Street Address: 13530 Dulles Technology Drive
City: Herndon State: VA Zip: 20171
Attention: Environment Accounts Payable

V6247CL42

Initial Assessment 2ARB
Label Verification

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab(G) or Comp(C)	Source Code (DW)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	Wpost GAC		06/03/24	1435	KGG	G	N	WW	4	4								X	V435
2	Wmid GAC		06/03/24	1445	KGG	G	N	WW	4	4								X	
3	WAS		06/03/24	1456	KGG	G	N	WW	4	4								X	
4	WINF		06/03/24	1507	KGG	G	N	WW	4	4								X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [x] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

See LTO for full Deliverable Package

Label Verification
Initial Assessment

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	06/03/24 @	1 FedEx	2 FedEx	6/4/24 10:30	2
Relinquished by: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal #	Intact / Not intact / Absent	Therm ID: See Sample Receipt Summary	On Ice: X	Cooler Temp. °C: 3.1°

IR50

EHSA-GAC-0023-05 Rev Date:8/5/22

JD89699: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD89699 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 6/4/2024 10:30:00 AM **Delivery Method:** FED EX **Airbill #'s:** 7003 7838 2183

Cooler Temps (Raw Measured) °C: Cooler 1: (3.1);

Cooler Temps (Corrected) °C: Cooler 1: (3.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Internal Sample Tracking Chronicle

WSP USA Environment & Infrastructure Inc

Job No: JD89699

EPT, Ithaca, NY
Project No: US-WSP.31405608.001/TASK02 ;PO# P101212U5001

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD89699-1	Collected: 03-JUN-24 14:35 By: KG		Received: 04-JUN-24 By: JK			
WPOSTGAC						
JD89699-1	EPA 624.1	06-JUN-24 20:04	NW			V624TCL42
JD89699-2	Collected: 03-JUN-24 14:45 By: KG		Received: 04-JUN-24 By: JK			
WMIDGAC						
JD89699-2	EPA 624.1	06-JUN-24 20:32	NW			V624TCL42
JD89699-3	Collected: 03-JUN-24 14:56 By: KG		Received: 04-JUN-24 By: JK			
WAS						
JD89699-3	EPA 624.1	06-JUN-24 21:01	NW			V624TCL42
JD89699-4	Collected: 03-JUN-24 15:02 By: KG		Received: 04-JUN-24 By: JK			
WINF						
JD89699-4	EPA 624.1	11-JUN-24 12:52	NW			V624TCL42

SGS Internal Chain of Custody

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Received: 06/04/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD89699-1.1	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-1.1	Nicholas Weigand	GCMS4D	06/06/24 16:32	Load on Instrument
Analyst chain of custody update error.				
JD89699-1.1	GCMS4D	Nicholas Weigand	06/07/24 15:23	Unload from Instrument
JD89699-1.1	Nicholas Weigand	Secured Storage	06/07/24 15:23	Return to Storage
JD89699-1.2	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-1.3	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-1.4	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-2.1	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-2.2	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-2.2	Nicholas Weigand	GCMS4D	06/06/24 16:32	Load on Instrument
Analyst chain of custody update error.				
JD89699-2.2	GCMS4D	Nicholas Weigand	06/07/24 15:23	Unload from Instrument
JD89699-2.2	Nicholas Weigand	Secured Storage	06/07/24 15:23	Return to Storage
JD89699-2.3	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-2.4	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-3.1	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-3.1	Nicholas Weigand	GCMS4D	06/06/24 16:32	Load on Instrument
Analyst chain of custody update error.				
JD89699-3.1	GCMS4D	Nicholas Weigand	06/07/24 15:23	Unload from Instrument
JD89699-3.1	Nicholas Weigand	Secured Storage	06/07/24 15:23	Return to Storage
JD89699-3.2	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-3.3	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-3.4	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-4.1	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-4.2	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-4.2	Nicholas Weigand	GCMS4D	06/06/24 16:32	Load on Instrument
Analyst chain of custody update error.				
JD89699-4.2	GCMS4D	Nicholas Weigand	06/07/24 15:23	Unload from Instrument
JD89699-4.2	Nicholas Weigand	Secured Storage	06/07/24 15:23	Return to Storage

SGS Internal Chain of Custody

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Received: 06/04/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD89699-4.3	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage
JD89699-4.4	Suresh Patel	Secured Storage	06/04/24 18:22	Return to Storage

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D6052-MB	4D137126.D	1	06/06/24	NW	n/a	n/a	V4D6052

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-1, JD89699-2, JD89699-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	

Method Blank Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D6052-MB	4D137126.D	1	06/06/24	NW	n/a	n/a	V4D6052

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-1, JD89699-2, JD89699-3

CAS No.	Compound	Result	RL	MDL	Units	Q
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	99%	80-128%
2037-26-5	Toluene-D8 (SUR)	103%	82-113%
460-00-4	4-Bromofluorobenzene (SUR)	110%	79-117%
1868-53-7	Dibromofluoromethane (S)	109%	84-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D6056-MB	4D137232.D	1	06/11/24	NW	n/a	n/a	V4D6056

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	

Method Blank Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D6056-MB	4D137232.D	1	06/11/24	NW	n/a	n/a	V4D6056

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-4

CAS No.	Compound	Result	RL	MDL	Units	Q
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	100%	80-128%
2037-26-5	Toluene-D8 (SUR)	107%	82-113%
460-00-4	4-Bromofluorobenzene (SUR)	110%	79-117%
1868-53-7	Dibromofluoromethane (S)	108%	84-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.27	5.6	ug/l	J
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D6052-BS	4D137124.D	1	06/06/24	NW	n/a	n/a	V4D6052

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-1, JD89699-2, JD89699-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	80	55.3	69	26-198
71-43-2	Benzene	20	20.4	102	65-135
75-27-4	Bromodichloromethane	20	19.0	95	65-135
75-25-2	Bromoform	20	18.0	90	70-130
74-83-9	Bromomethane	20	18.7	94	15-185
78-93-3	2-Butanone (MEK)	80	81.9	102	50-161
75-15-0	Carbon disulfide	20	22.8	114	48-166
56-23-5	Carbon tetrachloride	20	20.5	103	70-130
108-90-7	Chlorobenzene	20	18.2	91	65-135
75-00-3	Chloroethane	20	19.2	96	40-160
67-66-3	Chloroform	20	22.7	114	70-135
74-87-3	Chloromethane	20	15.2	76	10-205
98-82-8	Cumene	20	18.0	90	77-116
110-82-7	Cyclohexane	20	20.5	103	60-152
124-48-1	Dibromochloromethane	20	18.0	90	70-135
106-93-4	1,2-Dibromoethane	20	19.1	96	53-136
96-12-8	1,2-Dibromo-3-chloropropane	20	17.2	86	31-163
95-50-1	1,2-Dichlorobenzene	20	17.4	87	65-135
541-73-1	1,3-Dichlorobenzene	20	17.6	88	70-130
106-46-7	1,4-Dichlorobenzene	20	18.1	91	65-135
75-71-8	Dichlorodifluoromethane	20	17.3	87	42-146
75-34-3	1,1-Dichloroethane	20	20.3	102	70-130
107-06-2	1,2-Dichloroethane	20	17.4	87	70-130
75-35-4	1,1-Dichloroethene	20	23.3	117	50-150
156-59-2	cis-1,2-Dichloroethene	20	21.6	108	72-116
156-60-5	trans-1,2-Dichloroethene	20	22.8	114	70-130
78-87-5	1,2-Dichloropropane	20	18.9	95	35-165
10061-01-5	cis-1,3-Dichloropropene	20	19.3	97	25-175
10061-02-6	trans-1,3-Dichloropropene	20	18.8	94	50-150
100-41-4	Ethylbenzene	20	18.4	92	60-140
76-13-1	Freon 113	20	22.3	112	53-144
591-78-6	2-Hexanone	80	67.0	84	56-145
1634-04-4	Methyl Tert Butyl Ether	20	20.9	105	64-126
108-10-1	4-Methyl-2-pentanone(MIBK)	80	70.9	89	63-139
75-09-2	Methylene chloride	20	20.6	103	60-140
79-20-9	Methyl Acetate	20	21.9	110	42-139

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D6052-BS	4D137124.D	1	06/06/24	NW	n/a	n/a	V4D6052

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-1, JD89699-2, JD89699-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-87-2	Methylcyclohexane	20	19.2	96	69-128
100-42-5	Styrene	20	17.5	88	77-117
79-34-5	1,1,2,2-Tetrachloroethane	20	19.3	97	60-140
127-18-4	Tetrachloroethene	20	19.0	95	70-130
108-88-3	Toluene	20	18.9	95	70-130
120-82-1	1,2,4-Trichlorobenzene	20	18.5	93	62-124
71-55-6	1,1,1-Trichloroethane	20	21.0	105	70-130
79-00-5	1,1,2-Trichloroethane	20	19.5	98	70-130
79-01-6	Trichloroethene	20	18.5	93	65-135
75-69-4	Trichlorofluoromethane	20	20.3	102	50-150
75-01-4	Vinyl chloride	20	16.0	80	50-150
1330-20-7	Xylenes (total)	60	55.4	92	79-114

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	94%	80-128%
2037-26-5	Toluene-D8 (SUR)	102%	82-113%
460-00-4	4-Bromofluorobenzene (SUR)	109%	79-117%
1868-53-7	Dibromofluoromethane (S)	110%	84-121%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D6056-BS	4D137230.D	1	06/11/24	NW	n/a	n/a	V4D6056

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	80	52.2	65	26-198
71-43-2	Benzene	20	19.0	95	65-135
75-27-4	Bromodichloromethane	20	17.9	90	65-135
75-25-2	Bromoform	20	17.7	89	70-130
74-83-9	Bromomethane	20	23.0	115	15-185
78-93-3	2-Butanone (MEK)	80	76.6	96	50-161
75-15-0	Carbon disulfide	20	20.7	104	48-166
56-23-5	Carbon tetrachloride	20	18.5	93	70-130
108-90-7	Chlorobenzene	20	17.5	88	65-135
75-00-3	Chloroethane	20	17.1	86	40-160
67-66-3	Chloroform	20	20.6	103	70-135
74-87-3	Chloromethane	20	14.6	73	10-205
98-82-8	Cumene	20	17.1	86	77-116
110-82-7	Cyclohexane	20	18.0	90	60-152
124-48-1	Dibromochloromethane	20	17.4	87	70-135
106-93-4	1,2-Dibromoethane	20	18.8	94	53-136
96-12-8	1,2-Dibromo-3-chloropropane	20	17.2	86	31-163
95-50-1	1,2-Dichlorobenzene	20	17.4	87	65-135
541-73-1	1,3-Dichlorobenzene	20	17.4	87	70-130
106-46-7	1,4-Dichlorobenzene	20	17.9	90	65-135
75-71-8	Dichlorodifluoromethane	20	14.8	74	42-146
75-34-3	1,1-Dichloroethane	20	18.5	93	70-130
107-06-2	1,2-Dichloroethane	20	16.3	82	70-130
75-35-4	1,1-Dichloroethene	20	21.0	105	50-150
156-59-2	cis-1,2-Dichloroethene	20	19.9	100	72-116
156-60-5	trans-1,2-Dichloroethene	20	20.5	103	70-130
78-87-5	1,2-Dichloropropane	20	17.5	88	35-165
10061-01-5	cis-1,3-Dichloropropene	20	18.3	92	25-175
10061-02-6	trans-1,3-Dichloropropene	20	18.7	94	50-150
100-41-4	Ethylbenzene	20	17.6	88	60-140
76-13-1	Freon 113	20	19.8	99	53-144
591-78-6	2-Hexanone	80	65.2	82	56-145
1634-04-4	Methyl Tert Butyl Ether	20	19.4	97	64-126
108-10-1	4-Methyl-2-pentanone(MIBK)	80	66.0	83	63-139
75-09-2	Methylene chloride	20	19.3	97	60-140
79-20-9	Methyl Acetate	20	21.0	105	42-139

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D6056-BS	4D137230.D	1	06/11/24	NW	n/a	n/a	V4D6056

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-87-2	Methylcyclohexane	20	17.5	88	69-128
100-42-5	Styrene	20	16.6	83	77-117
79-34-5	1,1,2,2-Tetrachloroethane	20	19.4	97	60-140
127-18-4	Tetrachloroethene	20	18.2	91	70-130
108-88-3	Toluene	20	18.2	91	70-130
120-82-1	1,2,4-Trichlorobenzene	20	17.9	90	62-124
71-55-6	1,1,1-Trichloroethane	20	18.9	95	70-130
79-00-5	1,1,2-Trichloroethane	20	18.9	95	70-130
79-01-6	Trichloroethene	20	17.1	86	65-135
75-69-4	Trichlorofluoromethane	20	17.7	89	50-150
75-01-4	Vinyl chloride	20	14.4	72	50-150
1330-20-7	Xylenes (total)	60	52.9	88	79-114

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	98%	80-128%
2037-26-5	Toluene-D8 (SUR)	105%	82-113%
460-00-4	4-Bromofluorobenzene (SUR)	108%	79-117%
1868-53-7	Dibromofluoromethane (S)	109%	84-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD89657-9MS	4D137137.D	1	06/06/24	NW	n/a	n/a	V4D6052
JD89657-9MSD	4D137138.D	1	06/06/24	NW	n/a	n/a	V4D6052
JD89657-9	4D137130.D	1	06/06/24	NW	n/a	n/a	V4D6052

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-1, JD89699-2, JD89699-3

CAS No.	Compound	JD89657-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		80	63.6	80	80	63.4	79	0	10-177/26
71-43-2	Benzene	ND		20	25.1	126	20	25.1	126	0	37-151/61
75-27-4	Bromodichloromethane	ND		20	23.5	118	20	23.6	118	0	35-155/56
75-25-2	Bromoform	ND		20	21.8	109	20	21.6	108	1	45-169/42
74-83-9	Bromomethane	ND		20	19.6	98	20	18.3	92	7	10-242/61
78-93-3	2-Butanone (MEK)	ND		80	95.9	120	80	96.1	120	0	35-165/21
75-15-0	Carbon disulfide	ND		20	25.4	127	20	25.8	129	2	37-179/21
56-23-5	Carbon tetrachloride	ND		20	25.7	129	20	26.1	131	2	70-140/41
108-90-7	Chlorobenzene	ND		20	22.3	112	20	22.3	112	0	37-160/53
75-00-3	Chloroethane	ND		20	18.0	90	20	16.6	83	8	14-230/78
67-66-3	Chloroform	ND		20	28.0	140* [a]	20	28.1	141* [a]	0	51-138/54
74-87-3	Chloromethane	ND		20	11.1	56	20	10.2	51	8	10-273/60
98-82-8	Cumene	ND		20	22.4	112	20	22.4	112	0	69-128/17
110-82-7	Cyclohexane	ND		20	18.4	92	20	17.2	86	7	56-160/20
124-48-1	Dibromochloromethane	ND		20	21.4	107	20	21.4	107	0	53-149/50
106-93-4	1,2-Dibromoethane	ND		20	22.9	115	20	22.8	114	0	45-140/17
96-12-8	1,2-Dibromo-3-chloropropane	ND		20	20.5	103	20	20.9	105	2	28-167/23
95-50-1	1,2-Dichlorobenzene	ND		20	21.4	107	20	21.7	109	1	18-190/57
541-73-1	1,3-Dichlorobenzene	ND		20	21.4	107	20	21.9	110	2	59-156/43
106-46-7	1,4-Dichlorobenzene	ND		20	21.8	109	20	22.6	113	4	18-190/57
75-71-8	Dichlorodifluoromethane	ND		20	14.0	70	20	13.0	65	7	22-172/22
75-34-3	1,1-Dichloroethane	5.2		20	32.6	137	20	32.7	138	0	59-155/40
107-06-2	1,2-Dichloroethane	ND		20	20.8	104	20	21.0	105	1	49-155/49
75-35-4	1,1-Dichloroethene	0.95	J	20	28.6	138	20	29.1	141	2	10-234/32
156-59-2	cis-1,2-Dichloroethene	21.0		20	53.1	161* [a]	20	52.8	159* [a]	1	38-146/17
156-60-5	trans-1,2-Dichloroethene	ND		20	27.4	137	20	27.5	138	0	54-156/45
78-87-5	1,2-Dichloropropane	ND		20	23.3	117	20	23.4	117	0	10-210/55
10061-01-5	cis-1,3-Dichloropropene	ND		20	24.1	121	20	24.3	122	1	10-227/58
10061-02-6	trans-1,3-Dichloropropene	ND		20	22.4	112	20	22.5	113	0	17-183/86
100-41-4	Ethylbenzene	ND		20	22.6	113	20	22.9	115	1	37-162/63
76-13-1	Freon 113	ND		20	24.4	122	20	24.5	123	0	41-165/23
591-78-6	2-Hexanone	ND		80	76.6	96	80	76.7	96	0	44-152/19
1634-04-4	Methyl Tert Butyl Ether	3.3		20	28.8	128* [a]	20	28.7	127	0	59-127/16
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		80	83.2	104	80	83.6	105	0	54-146/18
75-09-2	Methylene chloride	ND		20	24.6	123	20	24.4	122	1	10-221/28
79-20-9	Methyl Acetate	ND		20	26.0	130	20	25.6	128	2	32-143/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD89657-9MS	4D137137.D	1	06/06/24	NW	n/a	n/a	V4D6052
JD89657-9MSD	4D137138.D	1	06/06/24	NW	n/a	n/a	V4D6052
JD89657-9	4D137130.D	1	06/06/24	NW	n/a	n/a	V4D6052

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-1, JD89699-2, JD89699-3

CAS No.	Compound	JD89657-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-87-2	Methylcyclohexane	ND		20	22.7	114	20	23.1	116	2	60-146/18
100-42-5	Styrene	ND		20	21.1	106	20	21.4	107	1	62-131/17
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	23.0	115	20	23.1	116	0	46-157/61
127-18-4	Tetrachloroethene	ND		20	23.4	117	20	23.4	117	0	64-148/39
108-88-3	Toluene	ND		20	23.2	116	20	23.2	116	0	47-150/41
120-82-1	1,2,4-Trichlorobenzene	ND		20	21.8	109	20	23.4	117	7	54-131/23
71-55-6	1,1,1-Trichloroethane	ND		20	26.3	132	20	26.4	132	0	52-162/36
79-00-5	1,1,2-Trichloroethane	ND		20	23.2	116	20	23.0	115	1	52-150/45
79-01-6	Trichloroethene	ND		20	23.5	118	20	23.7	119	1	70-157/48
75-69-4	Trichlorofluoromethane	ND		20	21.9	110	20	20.5	103	7	17-181/84
75-01-4	Vinyl chloride	5.2		20	23.8	93	20	22.8	88	4	17-181/84
1330-20-7	Xylenes (total)	ND		60	66.8	111	60	68.1	114	2	58-134/16

CAS No.	Surrogate Recoveries	MS	MSD	JD89657-9	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	96%	95%	100%	80-128%
2037-26-5	Toluene-D8 (SUR)	100%	100%	103%	82-113%
460-00-4	4-Bromofluorobenzene (SUR)	108%	109%	109%	79-117%
1868-53-7	Dibromofluoromethane (S)	110%	110%	110%	84-121%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD89699-4MS	4D137238.D	5	06/11/24	NW	n/a	n/a	V4D6056
JD89699-4MSD	4D137239.D	5	06/11/24	NW	n/a	n/a	V4D6056
JD89699-4 [a]	4D137234.D	5	06/11/24	NW	n/a	n/a	V4D6056

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-4

CAS No.	Compound	JD89699-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		400	300	75	400	273	68	9	10-177/26
71-43-2	Benzene	ND		100	101	101	100	101	101	0	37-151/61
75-27-4	Bromodichloromethane	ND		100	94.7	95	100	96.1	96	1	35-155/56
75-25-2	Bromoform	ND		100	99.3	99	100	98.5	99	1	45-169/42
74-83-9	Bromomethane	ND		100	89.3	89	100	100	100	11	10-242/61
78-93-3	2-Butanone (MEK)	ND		400	425	106	400	398	100	7	35-165/21
75-15-0	Carbon disulfide	ND		100	97.5	98	100	96.3	96	1	37-179/21
56-23-5	Carbon tetrachloride	ND		100	99.1	99	100	101	101	2	70-140/41
108-90-7	Chlorobenzene	ND		100	94.7	95	100	94.9	95	0	37-160/53
75-00-3	Chloroethane	ND		100	87.6	88	100	88.9	89	1	14-230/78
67-66-3	Chloroform	ND		100	109	109	100	111	111	2	51-138/54
74-87-3	Chloromethane	ND		100	67.8	68	100	68.8	69	1	10-273/60
98-82-8	Cumene	ND		100	92.3	92	100	95.3	95	3	69-128/17
110-82-7	Cyclohexane	ND		100	90.8	91	100	90.2	90	1	56-160/20
124-48-1	Dibromochloromethane	ND		100	92.6	93	100	94.6	95	2	53-149/50
106-93-4	1,2-Dibromoethane	ND		100	101	101	100	100	100	1	45-140/17
96-12-8	1,2-Dibromo-3-chloropropane	ND		100	100	100	100	93.0	93	7	28-167/23
95-50-1	1,2-Dichlorobenzene	ND		100	95.1	95	100	94.2	94	1	18-190/57
541-73-1	1,3-Dichlorobenzene	ND		100	95.3	95	100	94.1	94	1	59-156/43
106-46-7	1,4-Dichlorobenzene	ND		100	97.2	97	100	96.3	96	1	18-190/57
75-71-8	Dichlorodifluoromethane	ND		100	75.9	76	100	76.6	77	1	22-172/22
75-34-3	1,1-Dichloroethane	ND		100	99.1	99	100	100	100	1	59-155/40
107-06-2	1,2-Dichloroethane	ND		100	86.0	86	100	86.4	86	0	49-155/49
75-35-4	1,1-Dichloroethene	ND		100	102	102	100	103	103	1	10-234/32
156-59-2	cis-1,2-Dichloroethene	905		100	880	-25* [b]	100	881	-24* [b]	0	38-146/17
156-60-5	trans-1,2-Dichloroethene	3.7	J	100	110	106	100	110	106	0	54-156/45
78-87-5	1,2-Dichloropropane	ND		100	94.4	94	100	93.2	93	1	10-210/55
10061-01-5	cis-1,3-Dichloropropene	ND		100	98.3	98	100	98.9	99	1	10-227/58
10061-02-6	trans-1,3-Dichloropropene	ND		100	98.0	98	100	99.3	99	1	17-183/86
100-41-4	Ethylbenzene	ND		100	94.1	94	100	95.5	96	1	37-162/63
76-13-1	Freon 113	ND		100	95.9	96	100	96.9	97	1	41-165/23
591-78-6	2-Hexanone	ND		400	368	92	400	350	88	5	44-152/19
1634-04-4	Methyl Tert Butyl Ether	ND		100	104	104	100	104	104	0	59-127/16
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		400	373	93	400	354	89	5	54-146/18
75-09-2	Methylene chloride	ND		100	97.9	98	100	97.6	98	0	10-221/28
79-20-9	Methyl Acetate	ND		100	118	118	100	112	112	5	32-143/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD89699-4MS	4D137238.D	5	06/11/24	NW	n/a	n/a	V4D6056
JD89699-4MSD	4D137239.D	5	06/11/24	NW	n/a	n/a	V4D6056
JD89699-4 [a]	4D137234.D	5	06/11/24	NW	n/a	n/a	V4D6056

The QC reported here applies to the following samples: **Method:** EPA 624.1

JD89699-4

CAS No.	Compound	JD89699-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-87-2	Methylcyclohexane	ND		100	90.2	90	100	90.8	91	1	60-146/18
100-42-5	Styrene	ND		100	90.6	91	100	92.6	93	2	62-131/17
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	106	106	100	101	101	5	46-157/61
127-18-4	Tetrachloroethene	ND		100	96.7	97	100	99.1	99	2	64-148/39
108-88-3	Toluene	ND		100	97.0	97	100	97.0	97	0	47-150/41
120-82-1	1,2,4-Trichlorobenzene	ND		100	101	101	100	102	102	1	54-131/23
71-55-6	1,1,1-Trichloroethane	ND		100	101	101	100	101	101	0	52-162/36
79-00-5	1,1,2-Trichloroethane	ND		100	101	101	100	101	101	0	52-150/45
79-01-6	Trichloroethene	484		100	503	19* [b]	100	502	18* [b]	0	70-157/48
75-69-4	Trichlorofluoromethane	ND		100	95.4	95	100	95.5	96	0	17-181/84
75-01-4	Vinyl chloride	ND		100	74.0	74	100	72.4	72	2	17-181/84
1330-20-7	Xylenes (total)	ND		300	284	95	300	288	96	1	58-134/16

CAS No.	Surrogate Recoveries	MS	MSD	JD89699-4	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	98%	99%	101%	80-128%
2037-26-5	Toluene-D8 (SUR)	103%	104%	105%	82-113%
460-00-4	4-Bromofluorobenzene (SUR)	108%	107%	109%	79-117%
1868-53-7	Dibromofluoromethane (S)	110%	109%	110%	84-121%

(a) Dilution required due to high concentration of target compound.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample: V4D5842-BFB
Lab File ID: 4D131928.D
Instrument ID: GCMS4D
Injection Date: 10/06/23
Injection Time: 15:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	30029	19.7		Pass
75	30.0 - 60.0% of mass 95	70213	46.1		Pass
95	Base peak, 100% relative abundance	152368	100.0		Pass
96	5.0 - 9.0% of mass 95	10494	6.89		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	123133	80.8		Pass
175	5.0 - 9.0% of mass 174	9754	6.40	(7.92) [a]	Pass
176	95.0 - 101.0% of mass 174	119621	78.5	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	8056	5.29	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D5842-IC5842	4D131929.D	10/06/23	15:37	00:37	Initial cal 0.2
V4D5842-IC5842	4D131930.D	10/06/23	16:06	01:06	Initial cal 0.5
V4D5842-IC5842	4D131931.D	10/06/23	16:35	01:35	Initial cal 1
V4D5842-IC5842	4D131932.D	10/06/23	17:04	02:04	Initial cal 2
V4D5842-IC5842	4D131933.D	10/06/23	17:33	02:33	Initial cal 4
V4D5842-IC5842	4D131934.D	10/06/23	18:02	03:02	Initial cal 8
V4D5842-IC5842	4D131935.D	10/06/23	18:31	03:31	Initial cal 20
V4D5842-ICC5842	4D131936.D	10/06/23	19:00	04:00	Initial cal 50
V4D5842-IC5842	4D131937.D	10/06/23	19:29	04:29	Initial cal 100
V4D5842-IC5842	4D131938.D	10/06/23	19:58	04:58	Initial cal 200
V4D5842-ICV5842	4D131941.D	10/06/23	21:25	06:25	Initial cal verification 50
V4D5842-ICV5842	4D131942.D	10/06/23	21:54	06:54	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample: V4D6052-BFB
Lab File ID: 4D137123.D
Instrument ID: GCMS4D
Injection Date: 06/06/24
Injection Time: 10:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	39043	17.1		Pass
75	30.0 - 60.0% of mass 95	99104	43.5		Pass
95	Base peak, 100% relative abundance	227861	100.0		Pass
96	5.0 - 9.0% of mass 95	15198	6.67		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	190485	83.6		Pass
175	5.0 - 9.0% of mass 174	14411	6.32	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	184811	81.1	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	12253	5.38	(6.63) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D6052-BS	4D137124.D	06/06/24	10:53	00:41	Blank Spike
V4D6052-CC5842	4D137124A.D	06/06/24	10:53	00:41	Continuing cal 20
V4D6052-MB	4D137126.D	06/06/24	12:09	01:57	Method Blank
ZZZZZZ	4D137127.D	06/06/24	12:56	02:44	(unrelated sample)
ZZZZZZ	4D137128.D	06/06/24	13:24	03:12	(unrelated sample)
ZZZZZZ	4D137129.D	06/06/24	13:53	03:41	(unrelated sample)
JD89657-9	4D137130.D	06/06/24	14:21	04:09	(used for QC only; not part of job JD89699)
ZZZZZZ	4D137131.D	06/06/24	14:50	04:38	(unrelated sample)
ZZZZZZ	4D137132.D	06/06/24	15:18	05:06	(unrelated sample)
ZZZZZZ	4D137133.D	06/06/24	15:47	05:35	(unrelated sample)
ZZZZZZ	4D137134.D	06/06/24	16:16	06:04	(unrelated sample)
ZZZZZZ	4D137135.D	06/06/24	16:44	06:32	(unrelated sample)
ZZZZZZ	4D137136.D	06/06/24	17:13	07:01	(unrelated sample)
JD89657-9MS	4D137137.D	06/06/24	17:41	07:29	Matrix Spike
JD89657-9MSD	4D137138.D	06/06/24	18:10	07:58	Matrix Spike Duplicate
ZZZZZZ	4D137141.D	06/06/24	19:35	09:23	(unrelated sample)
JD89699-1	4D137142.D	06/06/24	20:04	09:52	WPOSTGAC
JD89699-2	4D137143.D	06/06/24	20:32	10:20	WMIDGAC
JD89699-3	4D137144.D	06/06/24	21:01	10:49	WAS
ZZZZZZ	4D137145.D	06/06/24	21:29	11:17	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Sample: V4D6056-BFB
Lab File ID: 4D137229.D
Instrument ID: GCMS4D
Injection Date: 06/11/24
Injection Time: 09:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	38461	17.3		Pass
75	30.0 - 60.0% of mass 95	94805	42.7		Pass
95	Base peak, 100% relative abundance	222037	100.0		Pass
96	5.0 - 9.0% of mass 95	14955	6.74		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	184725	83.2		Pass
175	5.0 - 9.0% of mass 174	14346	6.46	(7.77) [a]	Pass
176	95.0 - 101.0% of mass 174	178816	80.5	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	11393	5.13	(6.37) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D6056-BS	4D137230.D	06/11/24	10:35	00:51	Blank Spike
V4D6056-CC5842	4D137230A.D	06/11/24	10:35	00:51	Continuing cal 20
V4D6056-MB	4D137232.D	06/11/24	11:45	02:01	Method Blank
ZZZZZZ	4D137233.D	06/11/24	12:24	02:40	(unrelated sample)
JD89699-4	4D137234.D	06/11/24	12:52	03:08	WINF
ZZZZZZ	4D137235.D	06/11/24	13:21	03:37	(unrelated sample)
ZZZZZZ	4D137237.D	06/11/24	14:17	04:33	(unrelated sample)
JD89699-4MS	4D137238.D	06/11/24	14:46	05:02	Matrix Spike
JD89699-4MSD	4D137239.D	06/11/24	15:14	05:30	Matrix Spike Duplicate
ZZZZZZ	4D137240.D	06/11/24	15:43	05:59	(unrelated sample)
ZZZZZZ	4D137241.D	06/11/24	16:11	06:27	(unrelated sample)
ZZZZZZ	4D137242.D	06/11/24	16:39	06:55	(unrelated sample)
ZZZZZZ	4D137243.D	06/11/24	17:08	07:24	(unrelated sample)
ZZZZZZ	4D137244.D	06/11/24	17:36	07:52	(unrelated sample)
ZZZZZZ	4D137245.D	06/11/24	18:08	08:24	(unrelated sample)
ZZZZZZ	4D137246.D	06/11/24	18:36	08:52	(unrelated sample)
ZZZZZZ	4D137247.D	06/11/24	19:04	09:20	(unrelated sample)
ZZZZZZ	4D137248.D	06/11/24	19:33	09:49	(unrelated sample)
ZZZZZZ	4D137249.D	06/11/24	20:01	10:17	(unrelated sample)
ZZZZZZ	4D137250.D	06/11/24	20:29	10:45	(unrelated sample)
ZZZZZZ	4D137251.D	06/11/24	20:58	11:14	(unrelated sample)
ZZZZZZ	4D137252.D	06/11/24	21:26	11:42	(unrelated sample)
ZZZZZZ	4D137253.D	06/11/24	21:54	12:10	(unrelated sample)
ZZZZZZ	4D137254.D	06/11/24	22:23	12:39	(unrelated sample)

Internal Standard Area Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Check Std:	V4D6052-CC5842	**Injection Date:**	06/06/24
Lab File ID:	4D137124A.D	**Injection Time:**	10:53
Instrument ID:	GCMS4D	**Method:**	EPA 624.1

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	626388	8.81	515363	11.29	892294	12.20	300911	17.19	696266	15.07
Upper Limit [a]	1252776	9.31	1030726	11.79	1784588	12.70	601822	17.69	1392532	15.57
Lower Limit [b]	313194	8.31	257682	10.79	446147	11.70	150456	16.69	348133	14.57

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V4D6052-BS	626388	8.81	515363	11.29	892294	12.20	300911	17.19	696266	15.07
V4D6052-MB	611524	8.80	567934	11.29	976609	12.20	320000	17.19	758817	15.07
ZZZZZZ	603600	8.80	556774	11.29	964958	12.20	314932	17.19	752192	15.07
ZZZZZZ	639367	8.81	540899	11.29	936785	12.20	314323	17.19	741712	15.07
ZZZZZZ	629797	8.81	550032	11.29	951204	12.20	320876	17.19	753047	15.07
JD89657-9	648675	8.81	548081	11.29	944047	12.20	320182	17.19	753872	15.07
ZZZZZZ	663970	8.81	552518	11.29	955786	12.20	325062	17.19	763659	15.07
ZZZZZZ	655143	8.81	549189	11.29	957826	12.20	326343	17.19	767715	15.07
ZZZZZZ	657737	8.81	538261	11.29	939433	12.20	319168	17.19	745985	15.07
ZZZZZZ	616649	8.81	545023	11.29	952007	12.20	315502	17.19	754314	15.07
ZZZZZZ	640196	8.81	535505	11.29	943249	12.20	318670	17.19	750400	15.07
ZZZZZZ	607393	8.82	524926	11.29	926006	12.20	325338	17.19	755310	15.07
JD89657-9MS	603605	8.81	505852	11.29	877723	12.20	302857	17.19	707903	15.07
JD89657-9MSD	583806	8.81	513559	11.29	892119	12.20	303660	17.19	720079	15.07
ZZZZZZ	698829	8.81	556940	11.29	960142	12.20	334233	17.19	770151	15.07
JD89699-1	685954	8.81	553682	11.29	963940	12.20	330197	17.19	766357	15.07
JD89699-2	678763	8.81	554318	11.29	961695	12.20	335282	17.19	766763	15.07
JD89699-3	636684	8.81	555204	11.29	964784	12.20	324552	17.19	763957	15.07
ZZZZZZ	694516	8.81	549836	11.29	951716	12.20	328595	17.19	760482	15.07

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Chlorobenzene-D5

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Check Std:	V4D6056-CC5842	**Injection Date:**	06/11/24
Lab File ID:	4D137230A.D	**Injection Time:**	10:35
Instrument ID:	GCMS4D	**Method:**	EPA 624.1

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	637766	8.80	571906	11.29	968064	12.20	301988	17.19	727783	15.07
Upper Limit [a]	1275532	9.30	1143812	11.79	1936128	12.70	603976	17.69	1455566	15.57
Lower Limit [b]	318883	8.30	285953	10.79	484032	11.70	150994	16.69	363892	14.57

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V4D6056-BS	637766	8.80	571906	11.29	968064	12.20	301988	17.19	727783	15.07
V4D6056-MB	609422	8.80	625042	11.29	1059933	12.20	318486	17.19	778231	15.07
ZZZZZZ	655978	8.80	624445	11.29	1061301	12.20	315426	17.19	779939	15.07
JD89699-4 [c]	671828	8.81	577404	11.29	1005116	12.20	315912	17.19	753506	15.07
ZZZZZZ	663945	8.81	614498	11.29	1033791	12.20	316564	17.19	775871	15.07
ZZZZZZ	633127	8.82	561708	11.29	968388	12.20	300252	17.19	726190	15.07
JD89699-4MS	685122	8.81	552607	11.29	946664	12.20	306259	17.19	729066	15.07
JD89699-4MSD	652191	8.81	549507	11.29	938204	12.20	310943	17.19	717543	15.07
ZZZZZZ	699771	8.81	600210	11.29	1016712	12.20	319683	17.19	771286	15.07
ZZZZZZ	685906	8.81	602144	11.29	1012674	12.20	323771	17.19	767562	15.07
ZZZZZZ	672214	8.81	602172	11.29	1018227	12.20	321909	17.19	767723	15.07
ZZZZZZ	677737	8.81	609495	11.29	1033960	12.20	324344	17.19	785062	15.07
ZZZZZZ	693814	8.81	601608	11.29	1024742	12.20	329380	17.19	785888	15.07
ZZZZZZ	679948	8.81	586498	11.29	1021826	12.20	323914	17.19	786141	15.07
ZZZZZZ	700768	8.81	612194	11.29	1037212	12.20	325470	17.19	786229	15.07
ZZZZZZ	715492	8.81	611690	11.29	1035855	12.20	331261	17.19	787704	15.07
ZZZZZZ	686841	8.81	594476	11.29	1018447	12.20	320657	17.19	766808	15.07
ZZZZZZ	684591	8.81	598865	11.29	1014109	12.20	321574	17.19	767880	15.07
ZZZZZZ	662422	8.81	596977	11.29	1016464	12.20	315475	17.19	766244	15.07
ZZZZZZ	686875	8.81	603670	11.29	1009764	12.20	307226	17.19	774946	15.07
ZZZZZZ	681221	8.81	607671	11.29	1026281	12.20	313402	17.19	770238	15.07
ZZZZZZ	690522	8.81	610493	11.29	1034716	12.20	326058	17.19	780880	15.07
ZZZZZZ	653957	8.81	579032	11.29	1004479	12.20	326781	17.19	770486	15.07
V4D6057-BS	598044	8.81	564792	11.29	953725	12.20	304747	17.19	728439	15.07

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Chlorobenzene-D5

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to high concentration of target compound.

Surrogate Recovery Summary

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Method: EPA 624.1 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD89699-1	4D137142.D	100	102	109	111
JD89699-2	4D137143.D	101	102	107	110
JD89699-3	4D137144.D	99	103	109	111
JD89699-4	4D137234.D	101	105	109	110
JD89657-9MS	4D137137.D	96	100	108	110
JD89657-9MSD	4D137138.D	95	100	109	110
JD89699-4MS	4D137238.D	98	103	108	110
JD89699-4MSD	4D137239.D	99	104	107	109
V4D6052-BS	4D137124.D	94	102	109	110
V4D6052-MB	4D137126.D	99	103	110	109
V4D6056-BS	4D137230.D	98	105	108	109
V4D6056-MB	4D137232.D	100	107	110	108

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4 (SUR)	80-128%
S2 = Toluene-D8 (SUR)	82-113%
S3 = 4-Bromofluorobenzene (SUR)	79-117%
S4 = Dibromofluoromethane (S)	84-121%

Initial Calibration Summary

Job Number: JD89699 **Sample:** V4D5842-ICC5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D131936.D
Project: EPT, Ithaca, NY

Response Factor Report MS4D

Method : C:\MSDCHEM\1\METHODS\M4D5842.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Calibration Files
1 =4D131931.D 0.5 =4D131930.D 100 =4D131937.D 50 =4D131936.D
20 =4D131935.D 200 =4D131938.D 4 =4D131933.D 2 =4D131932.D
8 =4D131934.D 0.2 =4D131929.D = =

Compound	1	0.5	100	50	20	200	4	2	8	0.2	Avg	%RSD
1) tert butyl alcohol-d9	----------ISTD----------											
2) tertiary butyl alcohol	1.923	1.590	1.423	1.546	1.492	1.439	1.472	1.837	1.533		1.584	11.19
3) ethanol	0.187	0.143	0.136	0.152	0.146	0.126	0.146	0.171	0.147		0.150	12.12
4) 1,4-dioxane		0.086	0.101	0.103	0.074	0.106	0.121	0.108			0.100	15.52
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.819	0.634	0.703	0.712	0.668	0.718	0.623	0.731	0.674		0.698	8.37
7) dichlorodifluoromethane	0.943	0.752	0.780	0.758	0.726	0.785	0.699	0.705	0.698	0.760	0.761	9.44
8) chloromethane	1.073	0.990	0.779	0.798	0.766	0.786	0.768	0.760	0.750		0.830	14.08
9) vinyl chloride	0.835	0.716	0.709	0.723	0.674	0.711	0.634	0.604	0.630	0.625	0.686	9.95
10) 1,3-butadiene	0.628	0.536	0.526	0.541	0.525	0.503	0.503	0.602	0.543		0.545	7.81
11) bromomethane	0.502		0.320	0.329	0.329	0.193	0.358	0.372	0.357		0.345	24.43
----- Quadratic regression ----- Coefficient = 0.9942												
Response Ratio = 0.00030 + 0.38654 *A + -0.04691 *A^2												
12) chloroethane	0.505	0.417	0.385	0.400	0.381	0.377	0.369	0.357	0.366		0.395	11.36
13) trichlorofluoromethane	0.994	0.728	0.855	0.871	0.824	0.851	0.785	0.755	0.791	0.692	0.815	10.50
14) ethyl ether	0.327	0.213	0.296	0.299	0.288	0.293	0.257	0.303	0.290	0.248	0.281	11.70
15) acrolein		0.154	0.159	0.173	0.154	0.190		0.172			0.167	8.54
16) freon 113	0.416	0.246	0.381	0.384	0.375	0.377	0.347	0.404	0.369		0.367	13.46
17) 1,1-dichloroethene	0.494	0.358	0.412	0.423	0.412	0.402	0.386	0.457	0.416	0.417	0.418	8.84
18) acetone	0.117	0.114	0.126	0.116	0.100	0.114	0.129	0.150	0.147		0.124	13.07
19) acetonitrile	0.137	0.125	0.117	0.121	0.119	0.117	0.111	0.132	0.124		0.123	6.46
20) iodomethane *This compound fails Initial Calibration criteria*		0.602	0.634	0.539	0.514	0.303	0.277	0.414			0.469	30.07
----- Quadratic regression ----- Coefficient = 0.9971												
Response Ratio = -0.02351 + 0.67018 *A + -0.03633 *A^2												

21) carbon disulfide
1.574 1.251 1.229 1.284 1.247 1.225 1.192 1.415 1.263 1.298 9.33
22) methylene chloride
0.716 0.659 0.487 0.502 0.492 0.487 0.496 0.636 0.515 0.555 16.15
23) methyl acetate
0.135 0.133 0.133 0.130 0.136 0.112 0.134 0.126 0.130 6.07
24) methyl tert butyl ether
1.809 1.289 1.509 1.556 1.515 1.478 1.438 1.695 1.554 1.705 1.555 9.61
25) trans-1,2-dichloroethene
0.570 0.411 0.448 0.465 0.460 0.435 0.468 0.518 0.473 0.462 0.471 9.42
26) di-isopropyl ether
2.187 1.658 1.720 1.804 1.794 1.639 1.733 2.025 1.854 2.107 1.852 10.30
27) 2-butanone
0.120 0.093 0.113 0.110 0.105 0.108 0.111 0.126 0.125 0.112 9.13
28) 1,1-dichloroethane
1.103 0.821 0.894 0.960 0.951 0.861 0.905 1.060 0.968 0.999 0.952 9.12
29) chloroprene
1.006 0.761 0.820 0.862 0.855 0.790 0.825 0.942 0.883 0.885 0.863 8.32
30) acrylonitrile
0.346 0.316 0.329 0.318 0.322 0.300 0.344 0.311 0.323 4.88
31) hexane
0.533 0.499 0.404 0.410 0.410 0.394 0.427 0.491 0.424 0.443 11.40
32) vinyl acetate
0.126 0.095 0.109 0.124 0.094 0.100 0.115 0.103 0.108 11.43
33) ethyl tert-butyl ether
2.167 1.556 1.783 1.834 1.802 1.742 1.722 2.007 1.851 1.974 1.844 9.25
34) ethyl acetate
0.130 0.094 0.097 0.100 0.093 0.112 0.119 0.110 0.107 12.31
35) 2,2-dichloropropane
1.007 0.629 0.682 0.708 0.542 0.755 0.887 0.760 0.746 19.56
36) cis-1,2-dichloroethene
0.655 0.496 0.497 0.523 0.524 0.484 0.522 0.591 0.557 0.645 0.549 11.19
37) methyl acrylate
1.172 0.980 0.908 0.962 0.962 0.871 0.914 1.064 1.018 0.984 9.32
38) propionitrile
0.172 0.128 0.132 0.141 0.141 0.129 0.138 0.161 0.150 0.144 10.53
39) bromochloromethane
0.327 0.234 0.258 0.272 0.270 0.256 0.259 0.312 0.285 0.275 10.68
40) tetrahydrofuran
0.129 0.107 0.117 0.108 0.112 0.110 0.132 0.114 0.116 8.19
41) chloroform
0.980 0.539 0.570 0.574 0.531 0.632 0.785 0.623 0.654 23.59
----- Linear regression ----- Coefficient = 0.9995
Response Ratio = 0.00966 + 0.53602 *A

42) t-butyl formate *This compound fails Initial Calibration criteria*
0.210 0.232 0.259 0.208 0.245 0.279 0.250 0.240 10.68
43) dibromofluoromethane (s)
0.531 0.524 0.536 0.536 0.534 0.545 0.534 0.534 0.535 0.530 0.534 0.99
44) methacrylonitrile
0.376 0.304 0.286 0.295 0.296 0.287 0.294 0.340 0.307 0.310 9.59
45) 1,1,1-trichloroethane
0.900 0.629 0.732 0.754 0.746 0.730 0.713 0.839 0.764 0.756 10.16
46) cyclohexane
0.897 0.692 0.643 0.665 0.661 0.621 0.668 0.645 0.645 0.682 12.18
47) 1,1-dichloropropene
0.753 0.532 0.604 0.635 0.631 0.579 0.617 0.721 0.653 0.640 0.637 10.03
48) isobutyl alcohol
0.007 0.005 0.006 0.005 0.005 0.006 0.006 0.006 8.02

```
49)  carbon tetrachloride
      0.761 0.569 0.624 0.654 0.653 0.594 0.641 0.732 0.676 0.609  0.651    9.14
50)  tert amyl alcohol
                 0.051 0.053 0.053 0.051 0.054 0.070 0.055        0.055   12.20

51) I   1,4-difluorobenzene   ----------------ISTD---------------------
52)  1,2-dichloroethane-d4 (s)
      0.375 0.373 0.350 0.358 0.367 0.346 0.374 0.377 0.378 0.372  0.367    3.16
53)  n-butyl alcohol
      0.031 0.023 0.023 0.024 0.024 0.021 0.024 0.028 0.025        0.025   11.96
54)  2,2,4-trimethylpentane
      1.113 0.881 0.742 0.773 0.805 0.698 0.800 0.947 0.842        0.844   14.78
55)  benzene
      1.317 1.015 1.017 1.071 1.068 0.985 1.039 1.216 1.118 1.243  1.109   10.12
56)  tert-amyl methyl ether
      0.250 0.186 0.199 0.210 0.210 0.193 0.208 0.236 0.214        0.212    9.55
57)  heptane
      0.243 0.187 0.164 0.170 0.172 0.160 0.174 0.206 0.178        0.184   14.13
58)  isopropyl acetate
      0.100 0.066 0.082 0.085 0.085 0.081 0.080 0.093 0.088        0.084   11.13
59)  1,2-dichloroethane
      0.570 0.494 0.405 0.427 0.432 0.390 0.435 0.524 0.461        0.460   12.81
60)  trichloroethene
      0.348 0.252 0.301 0.310 0.299 0.291 0.291 0.343 0.313 0.318  0.307    8.93
61)  ethyl acrylate
      0.712 0.523 0.553 0.580 0.579 0.543 0.562 0.655 0.600        0.590   10.09
62)  2-nitropropane
                                                                   0.000   -1.00
63)  2-chloroethyl vinyl ether
      0.189 0.153 0.162 0.171 0.169 0.155 0.159 0.187 0.179 0.185  0.171    7.94
64)  methyl methacrylate
      0.113       0.104 0.107 0.103 0.104 0.095 0.114 0.106        0.106    5.82
65)  1,2-dichloropropane
      0.384 0.258 0.297 0.316 0.316 0.283 0.306 0.365 0.327        0.317   12.26
66)  dibromomethane
      0.245 0.183 0.185 0.196 0.193 0.179 0.188 0.224 0.203        0.200   10.83
67)  methylcyclohexane
      0.535 0.368 0.413 0.426 0.428 0.390 0.412 0.483 0.436 0.486  0.438   11.39
68)  bromodichloromethane
      0.489 0.414 0.376 0.394 0.390 0.374 0.380 0.455 0.402        0.408    9.61
69)  epichlorohydrin
      0.071 0.062 0.055 0.058 0.057 0.052 0.058 0.071 0.061        0.060   11.18
70)  cis-1,3-dichloropropene
      0.587 0.431 0.460 0.479 0.472 0.452 0.450 0.534 0.485 0.505  0.486    9.48
71)  4-methyl-2-pentanone
      0.234 0.177 0.169 0.184 0.188 0.154 0.188 0.224 0.198        0.191   13.22
72)  3-methyl-1-butanol
                                                                   0.000   -1.00

73) I   chlorobenzene-d5      ----------------ISTD---------------------
74)  toluene-d8 (s)
      1.344 1.333 1.301 1.301 1.317 1.308 1.336 1.340 1.331 1.331  1.324    1.22
75)  toluene
      0.969 0.744 0.777 0.810 0.805 0.765 0.776 0.908 0.840 0.951  0.835    9.63
76)  trans-1,3-dichloropropene
      0.677 0.471 0.511 0.534 0.528 0.501 0.520 0.603 0.558 0.599  0.550   11.03
77)  ethyl methacrylate
      0.686 0.541 0.493 0.512 0.513 0.487 0.502 0.607 0.537        0.542   11.99
78)  1,1,2-trichloroethane
      0.358 0.278 0.277 0.283 0.281 0.278 0.278 0.343 0.301        0.297   10.49
```

Initial Calibration Summary

Job Number: JD89699 **Sample:** V4D5842-ICC5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D131936.D
Project: EPT, Ithaca, NY

```
 79)  tetrachloroethene
       0.352 0.245 0.268 0.286 0.287 0.256 0.283 0.337 0.298 0.288  0.290   11.44
 80)  1,3-dichloropropane
       0.637 0.472 0.476 0.506 0.509 0.458 0.511 0.601 0.545        0.524   11.57
 81)  2-hexanone
       0.309 0.233 0.236 0.249 0.247 0.218 0.260 0.316 0.280        0.261   13.01
 82)  butyl acetate
       0.473 0.407 0.313 0.335 0.343 0.304 0.364 0.432 0.370        0.371   15.18
 83)  dibromochloromethane
       0.485 0.375 0.398 0.408 0.396 0.402 0.389 0.457 0.414        0.414    8.46
 84)  1,2-dibromoethane
       0.441 0.333 0.361 0.369 0.358 0.365 0.352 0.420 0.378 0.416  0.379    9.17
 85)  n-butyl ether
                  1.505 1.564 1.545 1.468 1.522 1.775 1.609        1.570    6.44
 86)  chlorobenzene
       1.056 0.787 0.866 0.899 0.880 0.845 0.857 0.999 0.915 1.074  0.918   10.32
 87)  1,1,1,2-tetrachloroethane
       0.389 0.285 0.310 0.326 0.324 0.298 0.322 0.372 0.337 0.350  0.331    9.64
 88)  ethylbenzene
       1.763 1.328 1.368 1.447 1.441 1.308 1.414 1.635 1.494 1.786  1.498   11.48
 89)  m,p-xylene
       0.679 0.517 0.526 0.556 0.554 0.502 0.540 0.642 0.577 0.671  0.576   11.21
 90)  o-xylene
       0.669 0.531 0.518 0.544 0.549 0.493 0.534 0.629 0.573 0.602  0.564    9.60
 91)  styrene
       1.105 0.824 0.863 0.922 0.918 0.810 0.904 1.056 0.969 1.103  0.947   11.47
 92)  bromoform
       0.336 0.261 0.292 0.294 0.280 0.302 0.267 0.330 0.298        0.295    8.50
 93)  butyl acrylate
       1.099 0.765 0.808 0.847 0.853 0.795 0.833 1.068 0.906        0.886   13.42
 94)  isopropylbenzene
       1.506 1.172 1.228 1.265 1.244 1.201 1.208 1.426 1.305 1.522  1.308    9.91
 95)  cis-1,4-dichloro-2-butene
       0.184       0.174 0.173 0.164 0.177 0.158 0.182 0.167        0.172    5.26

 96) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 97)  4-bromofluorobenzene (s)
       1.050 1.045 1.057 1.056 1.046 1.088 1.052 1.045 1.048 1.054  1.054    1.19
 98)  bromobenzene
       0.988 0.732 0.810 0.852 0.825 0.792 0.795 0.929 0.845        0.841    9.12
 99)  1,1,2,2-tetrachloroethane
       1.355 1.026 1.034 1.078 1.079 1.059 1.044 1.255 1.096        1.114   10.18
100)  trans-1,4-dichloro-2-butene
       0.379 0.275 0.343 0.348 0.332 0.352 0.316 0.370 0.336        0.339    9.09
101)  1,2,3-trichloropropane
       0.355 0.234 0.295 0.305 0.297 0.295 0.292 0.326 0.305 0.283  0.299   10.34
102)  n-propylbenzene
       4.034 3.220 3.242 3.470 3.356 3.075 3.310 3.795 3.487 4.102  3.509   10.04
103)  2-chlorotoluene
       0.873 0.677 0.705 0.752 0.728 0.682 0.725 0.821 0.759 0.841  0.756    8.95
104)  4-chlorotoluene
       2.631 2.104 2.072 2.196 2.147 2.050 2.127 2.511 2.255 2.975  2.307   13.15
105)  1,3,5-trimethylbenzene
       2.870 2.216 2.289 2.434 2.386 2.180 2.330 2.725 2.497 2.787  2.471    9.87
106)  tert-butylbenzene
       0.550 0.391 0.452 0.469 0.453 0.437 0.449 0.510 0.460 0.416  0.459    9.79
107)  1,2,4-trimethylbenzene
       2.959 2.263 2.319 2.462 2.427 2.277 2.404 2.774 2.533        2.491    9.42
108)  sec-butylbenzene
       3.299 2.596 2.736 2.874 2.771 2.619 2.684 3.063 2.884 3.207  2.873    8.49
```

Initial Calibration Summary

Job Number: JD89699 **Sample:** V4D5842-ICC5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D131936.D
Project: EPT, Ithaca, NY

```
109)  1,3-dichlorobenzene
       1.692 1.203 1.375 1.450 1.422 1.356 1.356 1.604 1.458 1.611  1.453   10.08
110)  p-isopropyltoluene
       2.719 2.039 2.276 2.390 2.315 2.194 2.236 2.581 2.401 2.656  2.381    9.06
111)  1,4-dichlorobenzene
       1.664 1.244 1.327 1.409 1.367 1.284 1.333 1.534 1.425        1.399    9.35
112)  1,2,3-trimethylbenzene
       2.855 2.163 2.237 2.357 2.325 2.154 2.266 2.672 2.435        2.385    9.93
113)  benzyl chloride
       2.275 1.773 1.775 1.876 1.815 1.762 1.794 2.154 1.894        1.902    9.74
114)  1,2-dichlorobenzene
       1.533 1.126 1.344 1.393 1.337 1.344 1.261 1.501 1.366 1.502  1.371    8.95
115)  n-butylbenzene
       1.199 0.902 1.011 1.045 1.010 0.982 0.959 1.128 1.053 1.207  1.050    9.57
116)  1,2-dibromo-3-chloropropane
       0.328 0.217 0.330 0.330 0.304 0.343 0.279 0.319 0.303 0.309  0.306   11.87
117)  1,3,5-trichlorobenzene
       0.924 0.681 0.888 0.896 0.842 0.860 0.767 0.899 0.850 0.868  0.847    8.53
118)  1,2,4-trichlorobenzene
       0.801 0.613 0.776 0.784 0.739 0.753 0.671 0.765 0.737        0.738    8.09
119)  hexachlorobutadiene
       0.318 0.223 0.305 0.315 0.292 0.267 0.270 0.309 0.292        0.288   10.55
120)  naphthalene
       2.805 2.055 2.353 2.478 2.477 2.277 2.372 2.658 2.565        2.449    8.96
121)  1,2,3-trichlorobenzene
       0.729 0.503 0.680 0.687 0.664 0.654 0.615 0.692 0.666 0.685  0.658    9.37
122)  hexachloroethane
       0.370 0.263 0.398 0.401 0.364 0.402 0.322 0.360 0.349        0.359   12.42
123)  2-methylnaphthalene
       1.069 0.835 1.183 1.177 1.064 1.029 0.924 1.071 1.023        1.042   10.59

124)     pentafluorobenzene(a) ----------------ISTD---------------------
125)  Freon 143A
                  0.039 0.040 0.036 0.040 0.034       0.036        0.038    6.58
126)  Freon 142B
                  0.739 0.742 0.678 0.733 0.661       0.688        0.707    5.00
127)  chlorotrifluoroethene
                                                                   0.000   -1.00
128)  vinyl bromide
                                                                   0.000   -1.00
129)  Freon 123A
                                                                   0.000   -1.00
130)  Freon 141B
                  0.882 0.883 0.818 0.865 0.792       0.821        0.844    4.52

131)     1,4-dichlorobenzene-d ----------------ISTD---------------------
132)  Indane
                                                                   0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M4D5842.M         Thu Mar 14 17:40:20 2024
```

Initial Calibration Verification

Job Number: JD89699 **Sample:** V4D5842-ICV5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D131941.D
Project: EPT, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V4D5842\4D131941.D Vial: 18
Acq On : 6 Oct 2023 9:25 pm Operator: nickw
Sample : icv5842-50 Inst : MS4D
Misc : MS72011,V4D5842,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4D5842.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 10 11:45:55 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	101	0.00	8.82
2	M	tertiary butyl alcohol	1.584	1.436	9.3	94	0.00	8.96
3		ethanol	0.150	0.148	1.3	98	0.00	7.32
4	M	1,4-dioxane	0.100	0.096	4.0	96	0.00	12.81
5	I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	11.30
6	M	chlorodifluoromethane		----------NA----------				
7	M	dichlorodifluoromethane	0.761	0.712	6.4	95	0.00	4.73
8	M	chloromethane	0.830	0.809	2.5	103	0.00	5.25
9	M	vinyl chloride	0.686	0.723	-5.4	101	0.00	5.50
10		1,3-butadiene	0.545	0.568	-4.2	106	0.00	5.60
		----------	True	Calc.	% Drift	----------		
11	M	bromomethane	50.000	61.754	-23.5	125	0.00	6.27
		----------	AvgRF	CCRF	% Dev	----------		
12	M	chloroethane	0.395	0.410	-3.8	104	0.00	6.53
13	M	trichlorofluoromethane	0.815	0.892	-9.4	104	0.00	7.07
14	M	ethyl ether	0.281	0.320	-13.9	108	0.00	7.59
15	M	acrolein	0.167	0.170	-1.8	108	0.00	7.85
16		freon 113	0.367	0.394	-7.4	104	0.00	8.06
17	M	1,1-dichloroethene	0.418	0.477	-14.1	114	0.00	8.07
18	M	acetone	0.124	0.151	-21.8	132	0.00	8.08
19	M	acetonitrile	0.123	0.116	5.7	96	0.00	8.56
		----------	True	Calc.	% Drift	----------		
20	M	iodomethane	50.000	32.498	35.0#	63	0.00	8.37
		----------	AvgRF	CCRF	% Dev	----------		
21	M	carbon disulfide	1.298	1.422	-9.6	112	0.00	8.52
22	M	methylene chloride	0.555	0.522	5.9	105	0.00	8.89
23	M	methyl acetate	0.130	0.147	-13.1	112	0.00	8.62
24	M	methyl tert butyl ether	1.555	1.632	-5.0	106	0.00	9.29
25	M	trans-1,2-dichloroethene	0.471	0.492	-4.5	107	0.00	9.33
26	M	di-isopropyl ether	1.852	1.843	0.5	103	0.00	9.95
27	M	2-butanone	0.112	0.131	-17.0	121	0.00	10.67
28	M	1,1-dichloroethane	0.952	0.980	-2.9	103	0.00	9.97
29	M	chloroprene	0.863	0.896	-3.8	105	0.00	10.08
30	M	acrylonitrile	0.323	0.343	-6.2	105	0.00	9.22
31		hexane	0.443	0.390	12.0	96	0.00	9.73
32	M	vinyl acetate	0.108	0.085	21.3	79	0.00	9.90
33	M	ethyl tert-butyl ether	1.844	1.831	0.7	101	0.00	10.45

Initial Calibration Verification

Job Number: JD89699 **Sample:** V4D5842-ICV5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D131941.D
Project: EPT, Ithaca, NY

34	M	ethyl acetate	0.107	0.100	6.5	103	0.00	10.69
35	M	2,2-dichloropropane	0.746	0.662	11.3	98	0.00	10.77
36	M	cis-1,2-dichloroethene	0.549	0.545	0.7	105	0.00	10.74
37		methyl acrylate	0.984	0.946	3.9	100	0.00	10.77
38	M	propionitrile	0.144	0.132	8.3	95	0.00	10.75
39	M	bromochloromethane	0.275	0.279	-1.5	104	0.00	11.06
40	M	tetrahydrofuran	0.116	0.112	3.4	97	0.00	11.07
			True	Calc.	% Drift			
41	M	chloroform	50.000	54.943	-9.9	106	0.00	11.15
			AvgRF	CCRF	% Dev			
42	M	t-butyl formate	0.240	0.401	-67.1#	175	0.00	11.17
43	S	dibromofluoromethane (s)	0.534	0.540	-1.1	102	0.00	11.34
44	M	methacrylonitrile	0.310	0.301	2.9	103	0.00	10.96
45	M	1,1,1-trichloroethane	0.756	0.752	0.5	101	0.00	11.40
46		cyclohexane	0.682	0.679	0.4	103	0.00	11.51
47		1,1-dichloropropene	0.637	0.641	-0.6	102	0.00	11.58
48		isobutyl alcohol	0.006	0.005	16.7	88	0.00	11.53
49		carbon tetrachloride	0.651	0.667	-2.5	103	0.00	11.60
50		tert amyl alcohol	0.055	0.051	7.3	97	0.00	11.69
51	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	12.21
52	S	1,2-dichloroethane-d4 (s)	0.367	0.357	2.7	102	0.00	11.75
53	M	n-butyl alcohol	0.025	0.024	4.0	99	0.00	12.25
54		2,2,4-trimethylpentane	0.844	0.766	9.2	101	0.00	11.90
55	M	benzene	1.109	1.094	1.4	104	0.00	11.82
56	M	tert-amyl methyl ether	0.212	0.202	4.7	98	0.00	11.89
57	M	heptane	0.184	0.167	9.2	100	0.00	12.05
58	M	isopropyl acetate	0.084	0.086	-2.4	103	0.00	11.72
59	M	1,2-dichloroethane	0.460	0.432	6.1	103	0.00	11.84
60	M	trichloroethene	0.307	0.320	-4.2	105	0.00	12.50
61		ethyl acrylate	0.590	0.566	4.1	100	0.00	12.48
62	M	2-nitropropane		----------NA----------				
63	M	2-chloroethyl vinyl ether	0.171	0.213	-24.6	127	0.00	13.22
64	M	methyl methacrylate	0.106	0.107	-0.9	102	0.00	12.72
65	M	1,2-dichloropropane	0.317	0.309	2.5	100	0.00	12.77
66	M	dibromomethane	0.200	0.193	3.5	101	0.00	12.87
67	M	methylcyclohexane	0.438	0.415	5.3	100	0.00	12.77
68	M	bromodichloromethane	0.408	0.388	4.9	101	0.00	13.01
69		epichlorohydrin	0.060	0.056	6.7	99	0.00	13.30
70	M	cis-1,3-dichloropropene	0.486	0.469	3.5	100	0.00	13.42
71	M	4-methyl-2-pentanone	0.191	0.181	5.2	100	0.00	13.51
72	M	3-methyl-1-butanol		----------NA----------				
73	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	15.07
74	S	toluene-d8 (s)	1.324	1.303	1.6	102	0.00	13.71
75		toluene	0.835	0.813	2.6	102	0.00	13.77
76		trans-1,3-dichloropropene	0.550	0.523	4.9	99	0.00	13.94
77		ethyl methacrylate	0.542	0.513	5.4	102	0.00	13.92
78		1,1,2-trichloroethane	0.297	0.283	4.7	101	0.00	14.14
79	M	tetrachloroethene	0.290	0.489	-68.6#	173	0.00	14.28
80	M	1,3-dichloropropane	0.524	0.509	2.9	102	0.00	14.30
81		2-hexanone	0.261	0.257	1.5	105	0.00	14.28
82	M	butyl acetate	0.371	0.339	8.6	102	0.00	14.33
83	M	dibromochloromethane	0.414	0.404	2.4	100	0.00	14.53
84	M	1,2-dibromoethane	0.379	0.368	2.9	101	0.00	14.68
85		n-butyl ether	1.570	1.546	1.5	100	0.00	15.04
86	M	chlorobenzene	0.918	0.904	1.5	102	0.00	15.11
87	M	1,1,1,2-tetrachloroethane	0.331	0.330	0.3	103	0.00	15.16

Initial Calibration Verification

Job Number: JD89699 **Sample:** V4D5842-ICV5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D131941.D
Project: EPT, Ithaca, NY

88	M	ethylbenzene	1.498	1.454	2.9	102	0.00	15.15
89	M	m,p-xylene	0.576	0.555	3.6	101	0.00	15.26
90	M	o-xylene	0.564	0.551	2.3	103	0.00	15.62
91	M	styrene	0.947	0.920	2.9	101	0.00	15.63
92	M	bromoform	0.295	0.296	-0.3	102	0.00	15.86
93		butyl acrylate	0.886	0.828	6.5	99	0.00	15.45
94		isopropylbenzene	1.308	1.296	0.9	104	0.00	15.94
95		cis-1,4-dichloro-2-butene	0.172	0.160	7.0	94	0.00	15.97
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	17.19
97	S	4-bromofluorobenzene (s)	1.054	1.060	-0.6	101	0.00	16.13
98	M	bromobenzene	0.841	0.857	-1.9	102	0.00	16.30
99	M	1,1,2,2-tetrachloroethane	1.114	1.044	6.3	98	0.00	16.19
100	M	trans-1,4-dichloro-2-bute	0.339	0.364	-7.4	105	0.00	16.22
101	M	1,2,3-trichloropropane	0.299	0.307	-2.7	102	0.00	16.27
102	M	n-propylbenzene	3.509	3.466	1.2	101	0.00	16.31
103	M	2-chlorotoluene	0.756	0.761	-0.7	102	0.00	16.44
104	M	4-chlorotoluene	2.307	2.193	4.9	101	0.00	16.54
105	M	1,3,5-trimethylbenzene	2.471	2.438	1.3	101	0.00	16.45
106	M	tert-butylbenzene	0.459	0.467	-1.7	100	0.00	16.76
107	M	1,2,4-trimethylbenzene	2.491	2.445	1.8	100	0.00	16.81
108	M	sec-butylbenzene	2.873	2.845	1.0	100	0.00	16.96
109	M	1,3-dichlorobenzene	1.453	1.443	0.7	100	0.00	17.13
110	M	p-isopropyltoluene	2.381	2.369	0.5	100	0.00	17.08
111	M	1,4-dichlorobenzene	1.399	1.406	-0.5	101	0.00	17.22
112		1,2,3-trimethylbenzene		----------NA----------				
113		benzyl chloride	1.902	1.678	11.8	90	0.00	17.30
114	M	1,2-dichlorobenzene	1.371	1.394	-1.7	101	0.00	17.57
115	M	n-butylbenzene	1.050	1.042	0.8	101	0.00	17.46
116	M	1,2-dibromo-3-chloropropa	0.306	0.325	-6.2	99	0.00	18.28
117		1,3,5-trichlorobenzene	0.847	0.930	-9.8	105	0.00	18.46
118	M	1,2,4-trichlorobenzene	0.738	0.778	-5.4	100	0.00	19.07
119	M	hexachlorobutadiene	0.288	0.321	-11.5	103	0.00	19.17
120	M	naphthalene	2.449	2.464	-0.6	100	0.00	19.35
121	M	1,2,3-trichlorobenzene	0.658	0.686	-4.3	101	0.00	19.56
122	m	hexachloroethane	0.359	0.403	-12.3	101	0.00	17.84
123		2-methylnaphthalene	1.042	1.122	-7.7	96	0.00	20.45
124		pentafluorobenzene(a)	1.000	1.000	0.0	101	0.00	11.30
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		chlorotrifluoroethene		----------NA----------				
128		vinyl bromide		----------NA----------				
129		Freon 123A		----------NA----------				
130		Freon 141B		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	101	0.00	17.19
132		Indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4D131936.D M4D5842.M Tue Oct 10 11:50:24 2023

Initial Calibration Verification

Job Number: JD89699 **Sample:** V4D5842-ICV5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D131942.D
Project: EPT, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V4D5842\4D131942.D Vial: 19
Acq On : 6 Oct 2023 9:54 pm Operator: nickw
Sample : icv5842-50 Inst : MS4D
Misc : MS72011,V4D5842,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4D5842.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Mon Oct 09 15:47:27 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	111	0.00	8.82
2	M	tertiary butyl alcohol		----------NA----------				
3		ethanol		----------NA----------				
4	M	1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	114	0.00	11.30
6	M	chlorodifluoromethane	0.698	0.825	-18.2	132	0.00	4.81
7	M	dichlorodifluoromethane		----------NA----------				
8	M	chloromethane		----------NA----------				
9	M	vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
11	M	bromomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
12	M	chloroethane		----------NA----------				
13	M	trichlorofluoromethane		----------NA----------				
14	M	ethyl ether		----------NA----------				
15	M	acrolein		----------NA----------				
16		freon 113		----------NA----------				
17	M	1,1-dichloroethene		----------NA----------				
18	M	acetone		----------NA----------				
19	M	acetonitrile	0.123	0.117	4.9	109	0.00	8.56
		----------	True	Calc.	% Drift	----------		
20	M	iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21	M	carbon disulfide		----------NA----------				
22	M	methylene chloride		----------NA----------				
23	M	methyl acetate		----------NA----------				
24	M	methyl tert butyl ether		----------NA----------				
25	M	trans-1,2-dichloroethene		----------NA----------				
26	M	di-isopropyl ether		----------NA----------				
27	M	2-butanone		----------NA----------				
28	M	1,1-dichloroethane		----------NA----------				
29	M	chloroprene		----------NA----------				
30	M	acrylonitrile	0.323	0.324	-0.3	112	0.00	9.22
31		hexane		----------NA----------				
32	M	vinyl acetate		----------NA----------				
33	M	ethyl tert-butyl ether		----------NA----------				

34	M	ethyl acetate		----------NA----------				
35	M	2,2-dichloropropane		----------NA----------				
36	M	cis-1,2-dichloroethene		----------NA----------				
37		methyl acrylate		----------NA----------				
38	M	propionitrile		----------NA----------				
39	M	bromochloromethane		----------NA----------				
40	M	tetrahydrofuran		----------NA----------				
		----------	True	Calc.	% Drift	----------		
41	M	chloroform		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
42	M	t-butyl formate		----------NA----------				
43	S	dibromofluoromethane (s)	0.534	0.538	-0.7	114	0.00	11.34
44	M	methacrylonitrile		----------NA----------				
45	M	1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50		tert amyl alcohol		----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	114	0.00	12.21
52	S	1,2-dichloroethane-d4 (s)	0.367	0.378	-3.0	120	0.00	11.75
53	M	n-butyl alcohol		----------NA----------				
54		2,2,4-trimethylpentane		----------NA----------				
55	M	benzene		----------NA----------				
56	M	tert-amyl methyl ether		----------NA----------				
57	M	heptane		----------NA----------				
58	M	isopropyl acetate		----------NA----------				
59	M	1,2-dichloroethane		----------NA----------				
60	M	trichloroethene		----------NA----------				
61		ethyl acrylate		----------NA----------				
62	M	2-nitropropane		----------NA----------				
63	M	2-chloroethyl vinyl ether		----------NA----------				
64	M	methyl methacrylate		----------NA----------				
65	M	1,2-dichloropropane		----------NA----------				
66	M	dibromomethane		----------NA----------				
67	M	methylcyclohexane		----------NA----------				
68	M	bromodichloromethane		----------NA----------				
69		epichlorohydrin		----------NA----------				
70	M	cis-1,3-dichloropropene		----------NA----------				
71	M	4-methyl-2-pentanone		----------NA----------				
72	M	3-methyl-1-butanol		----------NA----------				
73	I	chlorobenzene-d5	1.000	1.000	0.0	113	0.00	15.07
74	S	toluene-d8 (s)	1.324	1.351	-2.0	117	0.00	13.71
75		toluene		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		ethyl methacrylate		----------NA----------				
78		1,1,2-trichloroethane		----------NA----------				
79	M	tetrachloroethene	0.290	0.296	-2.1	117	0.00	14.28
80	M	1,3-dichloropropane		----------NA----------				
81		2-hexanone		----------NA----------				
82	M	butyl acetate		----------NA----------				
83	M	dibromochloromethane		----------NA----------				
84	M	1,2-dibromoethane		----------NA----------				
85		n-butyl ether		----------NA----------				
86	M	chlorobenzene		----------NA----------				
87	M	1,1,1,2-tetrachloroethane		----------NA----------				

Initial Calibration Verification

Job Number: JD89699 **Sample:** V4D5842-ICV5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D131942.D
Project: EPT, Ithaca, NY

88	M	ethylbenzene		----------NA----------				
89	M	m,p-xylene		----------NA----------				
90	M	o-xylene		----------NA----------				
91	M	styrene		----------NA----------				
92	M	bromoform		----------NA----------				
93		butyl acrylate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	17.19
97	S	4-bromofluorobenzene (s)	1.054	1.065	-1.0	115	0.00	16.12
98	M	bromobenzene		----------NA----------				
99	M	1,1,2,2-tetrachloroethane		----------NA----------				
100	M	trans-1,4-dichloro-2-bute		----------NA----------				
101	M	1,2,3-trichloropropane		----------NA----------				
102	M	n-propylbenzene		----------NA----------				
103	M	2-chlorotoluene		----------NA----------				
104	M	4-chlorotoluene		----------NA----------				
105	M	1,3,5-trimethylbenzene		----------NA----------				
106	M	tert-butylbenzene		----------NA----------				
107	M	1,2,4-trimethylbenzene		----------NA----------				
108	M	sec-butylbenzene		----------NA----------				
109	M	1,3-dichlorobenzene		----------NA----------				
110	M	p-isopropyltoluene		----------NA----------				
111	M	1,4-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene	2.385	2.545	-6.7	123	0.00	17.21
113		benzyl chloride		----------NA----------				
114	M	1,2-dichlorobenzene		----------NA----------				
115	M	n-butylbenzene		----------NA----------				
116	M	1,2-dibromo-3-chloropropa		----------NA----------				
117		1,3,5-trichlorobenzene		----------NA----------				
118	M	1,2,4-trichlorobenzene		----------NA----------				
119	M	hexachlorobutadiene		----------NA----------				
120	M	naphthalene		----------NA----------				
121	M	1,2,3-trichlorobenzene		----------NA----------				
122	m	hexachloroethane		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124		pentafluorobenzene(a)	1.000	1.000	0.0	114	0.00	11.30
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		chlorotrifluoroethene		----------NA----------				
128		vinyl bromide		----------NA----------				
129		Freon 123A		----------NA----------				
130		Freon 141B		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	114	0.00	17.19
132		Indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4D131936.D M4D5842.M Mon Oct 09 16:01:22 2023

Continuing Calibration Summary

Job Number: JD89699 **Sample:** V4D6052-CC5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D137124A.D
Project: EPT, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...S\V4D6052\4D137124a.D Vial: 2
Acq On : 6 Jun 2024 10:53 am Operator: nickw
Sample : cc5842-20 Inst : GCMS4D
Misc : MS81702,V4D6052,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4D5842.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Wed Mar 13 17:04:54 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	147	-0.02	8.81
2	M	tertiary butyl alcohol		----------	NA	----------		
3		ethanol		----------	NA	----------		
4	M	1,4-dioxane		----------	NA	----------		
5	I	pentafluorobenzene	1.000	1.000	0.0	132	-0.01	11.29
6	M	chlorodifluoromethane		----------	NA	----------		
7	M	dichlorodifluoromethane		----------	NA	----------		
8	M	chloromethane		----------	NA	----------		
9	M	vinyl chloride		----------	NA	----------		
10		1,3-butadiene		----------	NA	----------		
		----------	True	Calc.	% Drift	----------		
11	M	bromomethane		----------	NA	----------		
		----------	AvgRF	CCRF	% Dev	----------		
12	M	chloroethane		----------	NA	----------		
13	M	trichlorofluoromethane		----------	NA	----------		
14	M	ethyl ether		----------	NA	----------		
15	M	acrolein		----------	NA	----------		
16		freon 113		----------	NA	----------		
17	M	1,1-dichloroethene		----------	NA	----------		
18	M	acetone		----------	NA	----------		
19	M	acetonitrile		----------	NA	----------		
		----------	True	Calc.	% Drift	----------		
20	M	iodomethane		----------	NA	----------		
		----------	AvgRF	CCRF	% Dev	----------		
21	M	carbon disulfide		----------	NA	----------		
22	M	methylene chloride		----------	NA	----------		
23	M	methyl acetate		----------	NA	----------		
24	M	methyl tert butyl ether		----------	NA	----------		
25	M	trans-1,2-dichloroethene		----------	NA	----------		
26	M	di-isopropyl ether		----------	NA	----------		
27	M	2-butanone		----------	NA	----------		
28	M	1,1-dichloroethane		----------	NA	----------		
29	M	chloroprene		----------	NA	----------		
30	M	acrylonitrile		----------	NA	----------		
31		hexane		----------	NA	----------		
32	M	vinyl acetate		----------	NA	----------		
33	M	ethyl tert-butyl ether		----------	NA	----------		

Continuing Calibration Summary

Job Number: JD89699 **Sample:** V4D6052-CC5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D137124A.D
Project: EPT, Ithaca, NY

			True	Calc.	% Drift			
34	M	ethyl acetate		NA				
35	M	2,2-dichloropropane		NA				
36	M	cis-1,2-dichloroethene		NA				
37		methyl acrylate		NA				
38	M	propionitrile		NA				
39	M	bromochloromethane		NA				
40	M	tetrahydrofuran		NA				
			AvgRF	**CCRF**	**% Dev**			
41	M	chloroform		NA				
42	M	t-butyl formate		NA				
43	S	dibromofluoromethane (s)	0.534	0.585	-9.6	144	-0.02	11.33
44	M	methacrylonitrile		NA				
45	M	1,1,1-trichloroethane		NA				
46		cyclohexane		NA				
47		1,1-dichloropropene		NA				
48		isobutyl alcohol		NA				
49		carbon tetrachloride		NA				
50		tert amyl alcohol		NA				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	139	0.00	12.20
52	S	1,2-dichloroethane-d4 (s)	0.367	0.347	5.4	132	-0.01	11.74
53	M	n-butyl alcohol		NA				
54		2,2,4-trimethylpentane		NA				
55	M	benzene		NA				
56	M	tert-amyl methyl ether		NA				
57	M	heptane		NA				
58	M	isopropyl acetate		NA				
59	M	1,2-dichloroethane		NA				
60	M	trichloroethene		NA				
61		ethyl acrylate		NA				
62	M	2-nitropropane	0.000	0.734	0.0	0#	-0.01	13.21
63	M	2-chloroethyl vinyl ether		NA				
64	M	methyl methacrylate		NA				
65	M	1,2-dichloropropane		NA				
66	M	dibromomethane		NA				
67	M	methylcyclohexane		NA				
68	M	bromodichloromethane		NA				
69		epichlorohydrin		NA				
70	M	cis-1,3-dichloropropene		NA				
71	M	4-methyl-2-pentanone		NA				
72	M	3-methyl-1-butanol		NA				
73	I	chlorobenzene-d5	1.000	1.000	0.0	136	0.00	15.07
74	S	toluene-d8 (s)	1.324	1.353	-2.2	139	0.00	13.70
75		toluene		NA				
76		trans-1,3-dichloropropene		NA				
77		ethyl methacrylate		NA				
78		1,1,2-trichloroethane		NA				
79	M	tetrachloroethene		NA				
80	M	1,3-dichloropropane		NA				
81		2-hexanone		NA				
82	M	butyl acetate		NA				
83	M	dibromochloromethane		NA				
84	M	1,2-dibromoethane		NA				
85		n-butyl ether		NA				
86	M	chlorobenzene		NA				
87	M	1,1,1,2-tetrachloroethane		NA				

Continuing Calibration Summary

Job Number: JD89699 **Sample:** V4D6052-CC5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D137124A.D
Project: EPT, Ithaca, NY

88	M	ethylbenzene		----------NA----------				
89	M	m,p-xylene		----------NA----------				
90	M	o-xylene		----------NA----------				
91	M	styrene		----------NA----------				
92	M	bromoform		----------NA----------				
93		butyl acrylate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	134	0.00	17.19
97	S	4-bromofluorobenzene (s)	1.054	1.145	-8.6	147	0.00	16.12
98	M	bromobenzene		----------NA----------				
99	M	1,1,2,2-tetrachloroethane		----------NA----------				
100	M	trans-1,4-dichloro-2-bute		----------NA----------				
101	M	1,2,3-trichloropropane		----------NA----------				
102	M	n-propylbenzene		----------NA----------				
103	M	2-chlorotoluene		----------NA----------				
104	M	4-chlorotoluene		----------NA----------				
105	M	1,3,5-trimethylbenzene		----------NA----------				
106	M	tert-butylbenzene		----------NA----------				
107	M	1,2,4-trimethylbenzene		----------NA----------				
108	M	sec-butylbenzene		----------NA----------				
109	M	1,3-dichlorobenzene		----------NA----------				
110	M	p-isopropyltoluene		----------NA----------				
111	M	1,4-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene		----------NA----------				
113		benzyl chloride		----------NA----------				
114	M	1,2-dichlorobenzene		----------NA----------				
115	M	n-butylbenzene		----------NA----------				
116	M	1,2-dibromo-3-chloropropa		----------NA----------				
117		1,3,5-trichlorobenzene		----------NA----------				
118	M	1,2,4-trichlorobenzene		----------NA----------				
119	M	hexachlorobutadiene		----------NA----------				
120	M	naphthalene		----------NA----------				
121	M	1,2,3-trichlorobenzene		----------NA----------				
122	m	hexachloroethane		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124		pentafluorobenzene(a)	1.000	1.000	0.0	88	0.00	11.29
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		chlorotrifluoroethene		----------NA----------				
128		vinyl bromide		----------NA----------				
129		Freon 123A		----------NA----------				
130		Freon 141B		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	134	0.00	17.19
132		Indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4D131935.D M4D5842.M Thu Jun 06 20:43:01 2024

Continuing Calibration Summary

Job Number: JD89699 **Sample:** V4D6056-CC5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D137230A.D
Project: EPT, Ithaca, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...4\V4D6056\4D137230a.d Vial: 3
Acq On : 11 Jun 2024 10:35 am Operator: nickw
Sample : cc5842-20 Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4D5842.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Wed Mar 13 17:04:54 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	150	-0.03	8.80
2	M	tertiary butyl alcohol		----------NA----------				
3		ethanol		----------NA----------				
4	M	1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	146	-0.01	11.29
6	M	chlorodifluoromethane		----------NA----------				
7	M	dichlorodifluoromethane		----------NA----------				
8	M	chloromethane		----------NA----------				
9	M	vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
11	M	bromomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
12	M	chloroethane		----------NA----------				
13	M	trichlorofluoromethane		----------NA----------				
14	M	ethyl ether		----------NA----------				
15	M	acrolein		----------NA----------				
16		freon 113		----------NA----------				
17	M	1,1-dichloroethene		----------NA----------				
18	M	acetone		----------NA----------				
19	M	acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20	M	iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21	M	carbon disulfide		----------NA----------				
22	M	methylene chloride		----------NA----------				
23	M	methyl acetate		----------NA----------				
24	M	methyl tert butyl ether		----------NA----------				
25	M	trans-1,2-dichloroethene		----------NA----------				
26	M	di-isopropyl ether		----------NA----------				
27	M	2-butanone		----------NA----------				
28	M	1,1-dichloroethane		----------NA----------				
29	M	chloroprene		----------NA----------				
30	M	acrylonitrile		----------NA----------				
31		hexane		----------NA----------				
32	M	vinyl acetate		----------NA----------				
33	M	ethyl tert-butyl ether		----------NA----------				

Continuing Calibration Summary

Job Number: JD89699 **Sample:** V4D6056-CC5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D137230A.D
Project: EPT, Ithaca, NY

34	M	ethyl acetate		----------NA----------				
35	M	2,2-dichloropropane		----------NA----------				
36	M	cis-1,2-dichloroethene		----------NA----------				
37		methyl acrylate		----------NA----------				
38	M	propionitrile		----------NA----------				
39	M	bromochloromethane		----------NA----------				
40	M	tetrahydrofuran		----------NA----------				
		----------	True	Calc.	% Drift	----------		
41	M	chloroform		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
42	M	t-butyl formate		----------NA----------				
43	S	dibromofluoromethane (s)	0.534	0.580	-8.6	159	-0.02	11.33
44	M	methacrylonitrile		----------NA----------				
45	M	1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50		tert amyl alcohol		----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	151	0.00	12.20
52	S	1,2-dichloroethane-d4 (s)	0.367	0.359	2.2	148	-0.01	11.74
53	M	n-butyl alcohol		----------NA----------				
54		2,2,4-trimethylpentane		----------NA----------				
55	M	benzene		----------NA----------				
56	M	tert-amyl methyl ether		----------NA----------				
57	M	heptane		----------NA----------				
58	M	isopropyl acetate		----------NA----------				
59	M	1,2-dichloroethane		----------NA----------				
60	M	trichloroethene		----------NA----------				
61		ethyl acrylate		----------NA----------				
62	M	2-nitropropane		----------NA----------				
63	M	2-chloroethyl vinyl ether		----------NA----------				
64	M	methyl methacrylate		----------NA----------				
65	M	1,2-dichloropropane		----------NA----------				
66	M	dibromomethane		----------NA----------				
67	M	methylcyclohexane		----------NA----------				
68	M	bromodichloromethane		----------NA----------				
69		epichlorohydrin		----------NA----------				
70	M	cis-1,3-dichloropropene		----------NA----------				
71	M	4-methyl-2-pentanone		----------NA----------				
72	M	3-methyl-1-butanol		----------NA----------				
73	I	chlorobenzene-d5	1.000	1.000	0.0	142	0.00	15.07
74	S	toluene-d8 (s)	1.324	1.387	-4.8	149	0.00	13.70
75		toluene		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		ethyl methacrylate		----------NA----------				
78		1,1,2-trichloroethane		----------NA----------				
79	M	tetrachloroethene		----------NA----------				
80	M	1,3-dichloropropane		----------NA----------				
81		2-hexanone		----------NA----------				
82	M	butyl acetate		----------NA----------				
83	M	dibromochloromethane		----------NA----------				
84	M	1,2-dibromoethane		----------NA----------				
85		n-butyl ether		----------NA----------				
86	M	chlorobenzene		----------NA----------				
87	M	1,1,1,2-tetrachloroethane		----------NA----------				

Continuing Calibration Summary

Job Number: JD89699 **Sample:** V4D6056-CC5842
Account: ESCVAR WSP USA Environment & Infrastructure Inc **Lab FileID:** 4D137230A.D
Project: EPT, Ithaca, NY

88	M	ethylbenzene		----------NA----------				
89	M	m,p-xylene		----------NA----------				
90	M	o-xylene		----------NA----------				
91	M	styrene		----------NA----------				
92	M	bromoform		----------NA----------				
93		butyl acrylate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	135	0.00	17.19
97	S	4-bromofluorobenzene (s)	1.054	1.138	-8.0	147	0.00	16.12
98	M	bromobenzene		----------NA----------				
99	M	1,1,2,2-tetrachloroethane		----------NA----------				
100	M	trans-1,4-dichloro-2-bute		----------NA----------				
101	M	1,2,3-trichloropropane		----------NA----------				
102	M	n-propylbenzene		----------NA----------				
103	M	2-chlorotoluene		----------NA----------				
104	M	4-chlorotoluene		----------NA----------				
105	M	1,3,5-trimethylbenzene		----------NA----------				
106	M	tert-butylbenzene		----------NA----------				
107	M	1,2,4-trimethylbenzene		----------NA----------				
108	M	sec-butylbenzene		----------NA----------				
109	M	1,3-dichlorobenzene		----------NA----------				
110	M	p-isopropyltoluene		----------NA----------				
111	M	1,4-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene		----------NA----------				
113		benzyl chloride		----------NA----------				
114	M	1,2-dichlorobenzene		----------NA----------				
115	M	n-butylbenzene		----------NA----------				
116	M	1,2-dibromo-3-chloropropa		----------NA----------				
117		1,3,5-trichlorobenzene		----------NA----------				
118	M	1,2,4-trichlorobenzene		----------NA----------				
119	M	hexachlorobutadiene		----------NA----------				
120	M	naphthalene		----------NA----------				
121	M	1,2,3-trichlorobenzene		----------NA----------				
122	m	hexachloroethane		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124		pentafluorobenzene(a)	1.000	1.000	0.0	97	0.00	11.29
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		chlorotrifluoroethene		----------NA----------				
128		vinyl bromide		----------NA----------				
129		Freon 123A		----------NA----------				
130		Freon 141B		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	135	0.00	17.19
132		Indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4D131935.D M4D5842.M Tue Jun 11 18:24:31 2024

Run Sequence Report

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Run ID: V4D5842	**Method:** SW846 8260D	**Instrument ID:** GCMS4D

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V4D5842-BFB	4D131928.D	10/06/23 15:00	n/a	BFB Tune
V4D5842-IC5842	4D131929.D	10/06/23 15:37	n/a	Initial cal 0.2
V4D5842-IC5842	4D131930.D	10/06/23 16:06	n/a	Initial cal 0.5
V4D5842-IC5842	4D131931.D	10/06/23 16:35	n/a	Initial cal 1
V4D5842-IC5842	4D131932.D	10/06/23 17:04	n/a	Initial cal 2
V4D5842-IC5842	4D131933.D	10/06/23 17:33	n/a	Initial cal 4
V4D5842-IC5842	4D131934.D	10/06/23 18:02	n/a	Initial cal 8
V4D5842-IC5842	4D131935.D	10/06/23 18:31	n/a	Initial cal 20
V4D5842-ICC5842	4D131936.D	10/06/23 19:00	n/a	Initial cal 50
V4D5842-IC5842	4D131937.D	10/06/23 19:29	n/a	Initial cal 100
V4D5842-IC5842	4D131938.D	10/06/23 19:58	n/a	Initial cal 200
V4D5842-ICV5842	4D131941.D	10/06/23 21:25	n/a	Initial cal verification 50
V4D5842-ICV5842	4D131942.D	10/06/23 21:54	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Run ID: V4D6052	**Method:** EPA 624.1	**Instrument ID:** GCMS4D

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V4D6052-BFB	4D137123.D	06/06/24 10:12	n/a	BFB Tune
V4D6052-CC5842	4D137124A.D	06/06/24 10:53	n/a	Continuing cal 20
V4D6052-BS	4D137124.D	06/06/24 10:53	n/a	Blank Spike
V4D6052-MB	4D137126.D	06/06/24 12:09	n/a	Method Blank
ZZZZZZ	4D137127.D	06/06/24 12:56	n/a	(unrelated sample)
ZZZZZZ	4D137128.D	06/06/24 13:24	n/a	(unrelated sample)
ZZZZZZ	4D137129.D	06/06/24 13:53	n/a	(unrelated sample)
JD89657-9	4D137130.D	06/06/24 14:21	n/a	(used for QC only; not part of job JD89699)
ZZZZZZ	4D137131.D	06/06/24 14:50	n/a	(unrelated sample)
ZZZZZZ	4D137132.D	06/06/24 15:18	n/a	(unrelated sample)
ZZZZZZ	4D137133.D	06/06/24 15:47	n/a	(unrelated sample)
ZZZZZZ	4D137134.D	06/06/24 16:16	n/a	(unrelated sample)
ZZZZZZ	4D137135.D	06/06/24 16:44	n/a	(unrelated sample)
ZZZZZZ	4D137136.D	06/06/24 17:13	n/a	(unrelated sample)
JD89657-9MS	4D137137.D	06/06/24 17:41	n/a	Matrix Spike
JD89657-9MSD	4D137138.D	06/06/24 18:10	n/a	Matrix Spike Duplicate
ZZZZZZ	4D137141.D	06/06/24 19:35	n/a	(unrelated sample)
JD89699-1	4D137142.D	06/06/24 20:04	n/a	WPOSTGAC
JD89699-2	4D137143.D	06/06/24 20:32	n/a	WMIDGAC
JD89699-3	4D137144.D	06/06/24 21:01	n/a	WAS
ZZZZZZ	4D137145.D	06/06/24 21:29	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD89699
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY

Run ID: V4D6056	**Method:** EPA 624.1	**Instrument ID:** GCMS4D

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V4D6056-BFB	4D137229.D	06/11/24 09:44	n/a	BFB Tune
V4D6056-CC5842	4D137230A.D	06/11/24 10:35	n/a	Continuing cal 20
V4D6056-BS	4D137230.D	06/11/24 10:35	n/a	Blank Spike
V4D6056-MB	4D137232.D	06/11/24 11:45	n/a	Method Blank
ZZZZZZ	4D137233.D	06/11/24 12:24	n/a	(unrelated sample)
JD89699-4	4D137234.D	06/11/24 12:52	n/a	WINF
ZZZZZZ	4D137235.D	06/11/24 13:21	n/a	(unrelated sample)
ZZZZZZ	4D137237.D	06/11/24 14:17	n/a	(unrelated sample)
JD89699-4MS	4D137238.D	06/11/24 14:46	n/a	Matrix Spike
JD89699-4MSD	4D137239.D	06/11/24 15:14	n/a	Matrix Spike Duplicate
ZZZZZZ	4D137240.D	06/11/24 15:43	n/a	(unrelated sample)
ZZZZZZ	4D137241.D	06/11/24 16:11	n/a	(unrelated sample)
ZZZZZZ	4D137242.D	06/11/24 16:39	n/a	(unrelated sample)
ZZZZZZ	4D137243.D	06/11/24 17:08	n/a	(unrelated sample)
ZZZZZZ	4D137244.D	06/11/24 17:36	n/a	(unrelated sample)
ZZZZZZ	4D137245.D	06/11/24 18:08	n/a	(unrelated sample)
ZZZZZZ	4D137246.D	06/11/24 18:36	n/a	(unrelated sample)
ZZZZZZ	4D137247.D	06/11/24 19:04	n/a	(unrelated sample)
ZZZZZZ	4D137248.D	06/11/24 19:33	n/a	(unrelated sample)
ZZZZZZ	4D137249.D	06/11/24 20:01	n/a	(unrelated sample)
ZZZZZZ	4D137250.D	06/11/24 20:29	n/a	(unrelated sample)
ZZZZZZ	4D137251.D	06/11/24 20:58	n/a	(unrelated sample)
ZZZZZZ	4D137252.D	06/11/24 21:26	n/a	(unrelated sample)
ZZZZZZ	4D137253.D	06/11/24 21:54	n/a	(unrelated sample)
ZZZZZZ	4D137254.D	06/11/24 22:23	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137142.D
Acq On : 6 Jun 2024 8:04 pm
Operator : nickw
Sample : jd89699-1 Inst : GCMS4D
Misc : MS81759,V4D6052,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 07 16:58:02 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

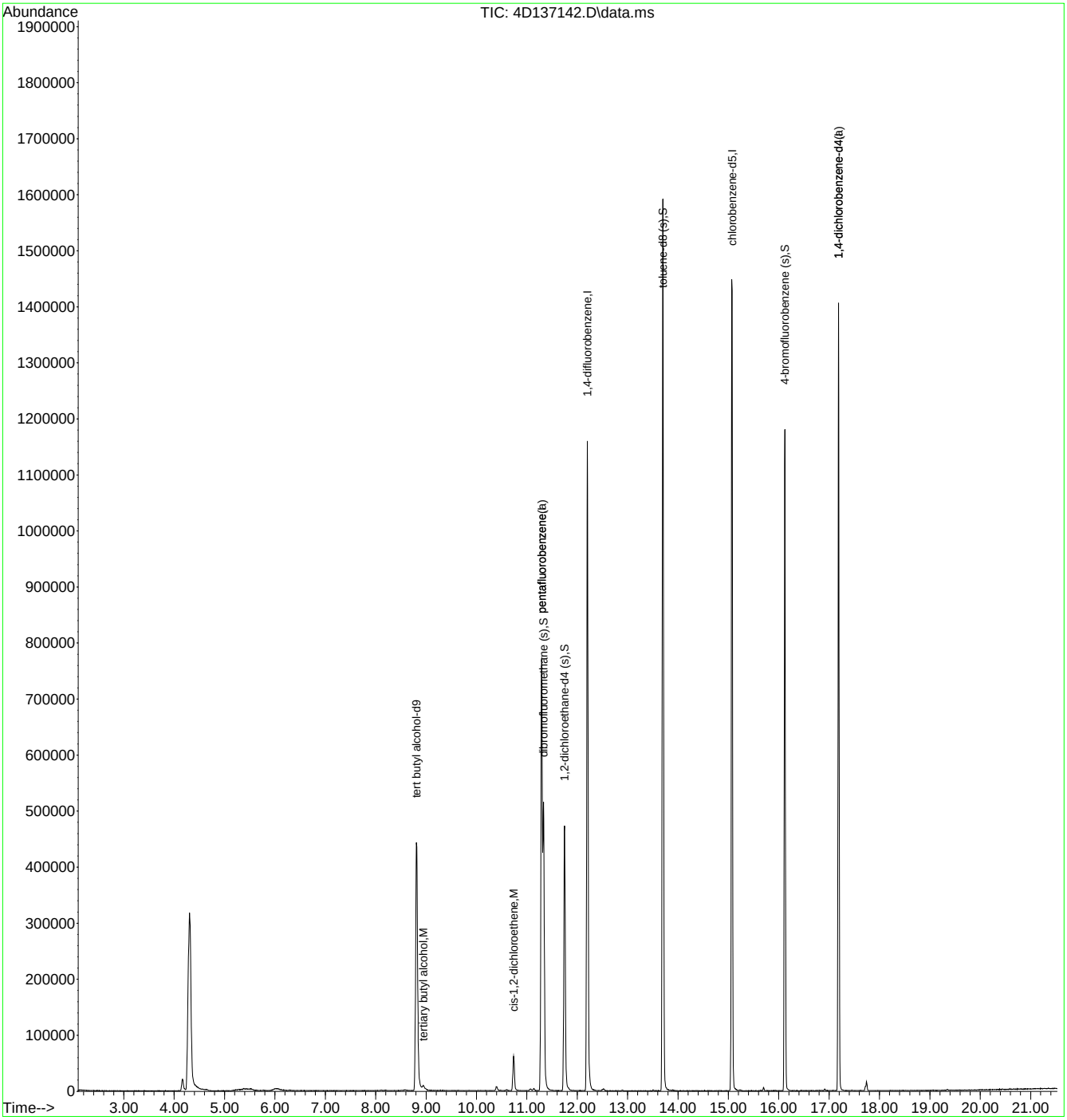
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.809	65	685954	500.00	ug/L	-0.02
5) pentafluorobenzene	11.294	168	553682	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.201	114	963940	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	766357	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	330197	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.294	168	553682	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	330197	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.330	113	329182	55.70	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.40%			
52) 1,2-dichloroethane-d4 (s)	11.750	65	354684	50.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.26%			
74) toluene-d8 (s)	13.700	98	1033888	50.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.88%			
97) 4-bromofluorobenzene (s)	16.123	95	380993	54.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.46%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.945	59	9913	4.5619	ug/L	90
36) cis-1,2-dichloroethene	10.738	96	33037	5.4306	ug/L	86

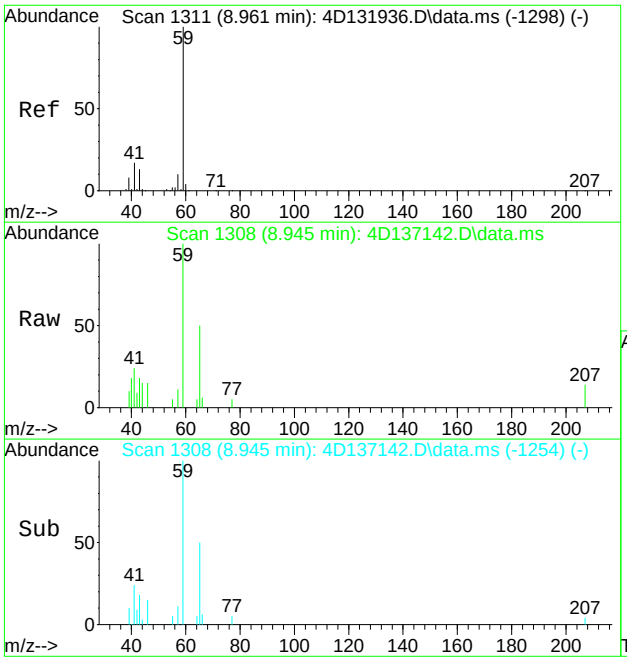
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137142.D
Acq On : 6 Jun 2024 8:04 pm
Operator : nickw
Sample : jd89699-1 Inst : GCMS4D
Misc : MS81759,V4D6052,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 07 16:58:02 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

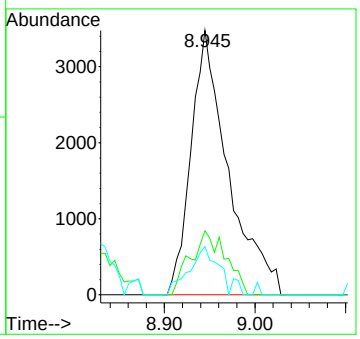


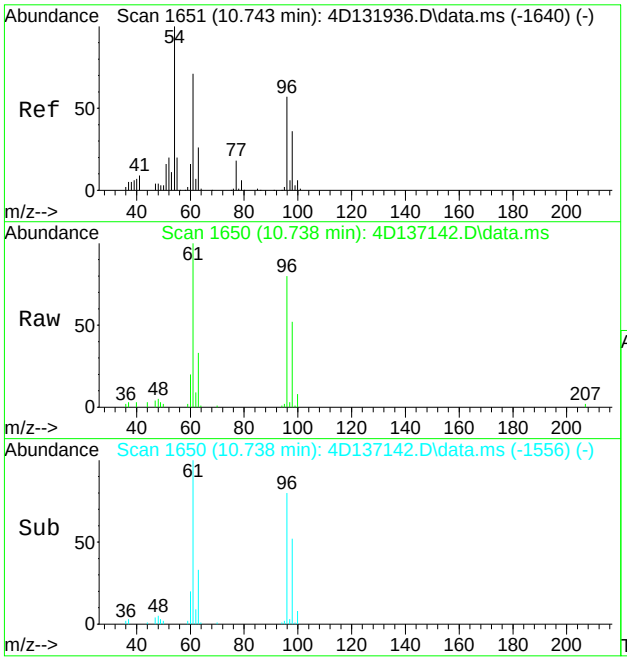


#2
tertiary butyl alcohol
Concen: 4.5619 ug/L
RT: 8.945 min Scan# 1308
Delta R.T. -0.016 min
Lab File: 4D137142.D
Acq: 6 Jun 2024 8:04 pm

Tgt Ion: 59 Resp: 9913

Ion	Ratio	Lower	Upper
59	100		
41	24.1	0.0	49.8
43	18.3	0.0	43.7

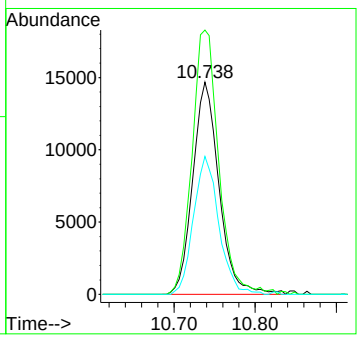




#36
cis-1,2-dichloroethene
Concen: 5.4306 ug/L
RT: 10.738 min Scan# 1650
Delta R.T. -0.005 min
Lab File: 4D137142.D
Acq: 6 Jun 2024 8:04 pm

Tgt Ion: 96 Resp: 33037

Ion	Ratio	Lower	Upper
96	100		
61	124.6	119.6	179.6
98	65.0	34.3	94.3



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137143.D
Acq On : 6 Jun 2024 8:32 pm
Operator : nickw
Sample : jd89699-2 Inst : GCMS4D
Misc : MS81759,V4D6052,5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 07 16:58:59 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

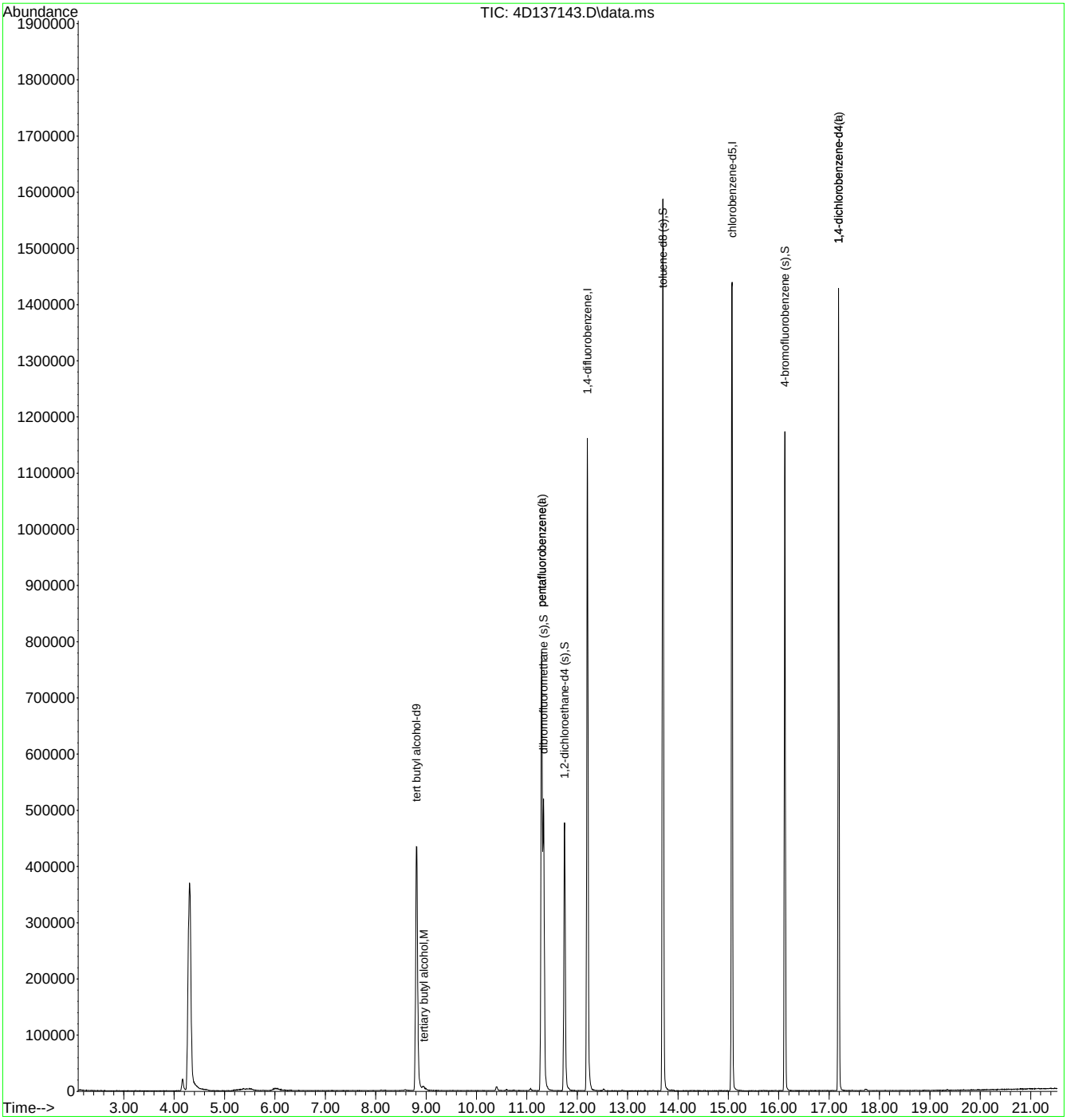
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.808	65	678763	500.00	ug/L	-0.02
5) pentafluorobenzene	11.293	168	554318	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.201	114	961695	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	766763	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	335282	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.293	168	554318	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	335282	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.330	113	326580	55.19	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.38%			
52) 1,2-dichloroethane-d4 (s)	11.750	65	355217	50.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.64%			
74) toluene-d8 (s)	13.700	98	1035829	51.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.02%			
97) 4-bromofluorobenzene (s)	16.122	95	379747	53.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.44%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.955	59	8550	3.9764	ug/L	95

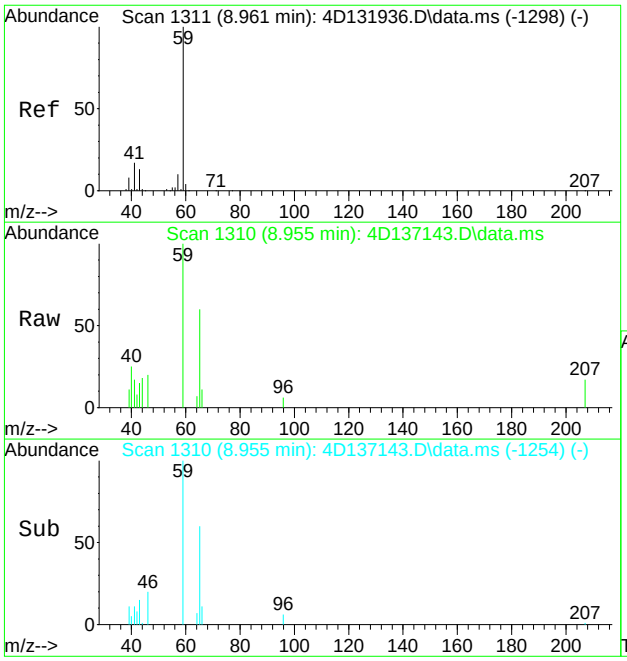
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137143.D
Acq On : 6 Jun 2024 8:32 pm
Operator : nickw
Sample : jd89699-2 Inst : GCMS4D
Misc : MS81759,V4D6052,5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 07 16:58:59 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

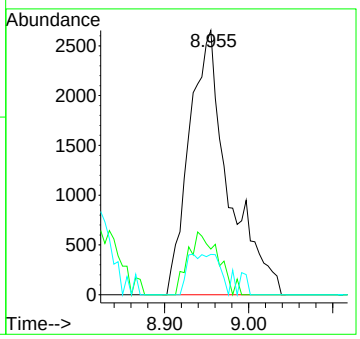




#2
tertiary butyl alcohol
Concen: 3.9764 ug/L
RT: 8.955 min Scan# 1310
Delta R.T. -0.006 min
Lab File: 4D137143.D
Acq: 6 Jun 2024 8:32 pm

Tgt Ion: 59 Resp: 8550

Ion	Ratio	Lower	Upper
59	100		
41	17.3	0.0	49.8
43	15.3	0.0	43.7



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137144.D
Acq On : 6 Jun 2024 9:01 pm
Operator : nickw
Sample : jd89699-3 Inst : GCMS4D
Misc : MS81759,V4D6052,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 07 17:00:19 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

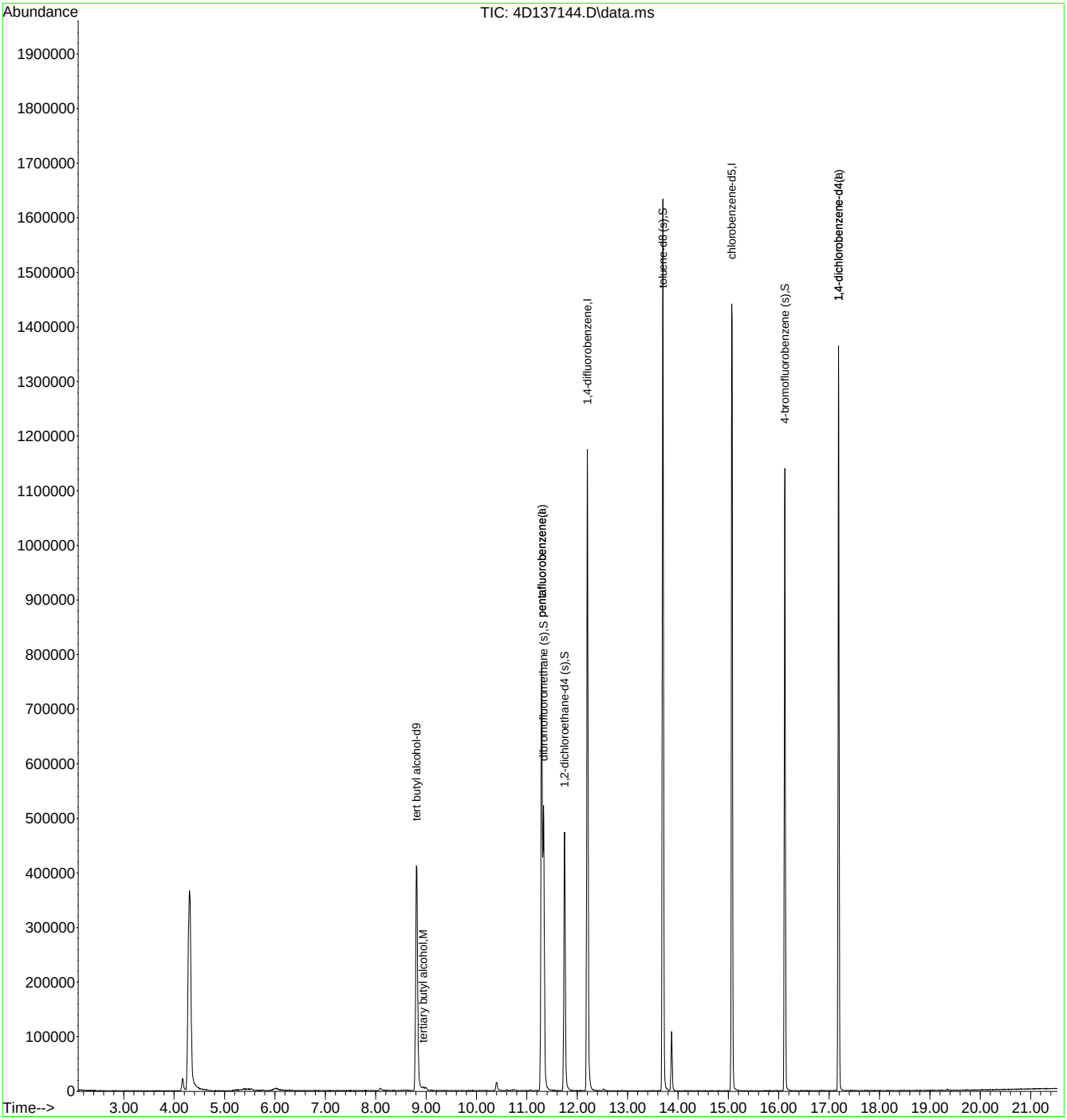
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.808	65	636684	500.00	ug/L	-0.02
5) pentafluorobenzene	11.294	168	555204	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.201	114	964784	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	763957	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	324552	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.294	168	555204	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	324552	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.330	113	328898	55.50	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.00%			
52) 1,2-dichloroethane-d4 (s)	11.750	65	348989	49.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.56%			
74) toluene-d8 (s)	13.700	98	1038405	51.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.64%			
97) 4-bromofluorobenzene (s)	16.122	95	373483	54.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.16%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.939	59	8813	4.3696	ug/L	96

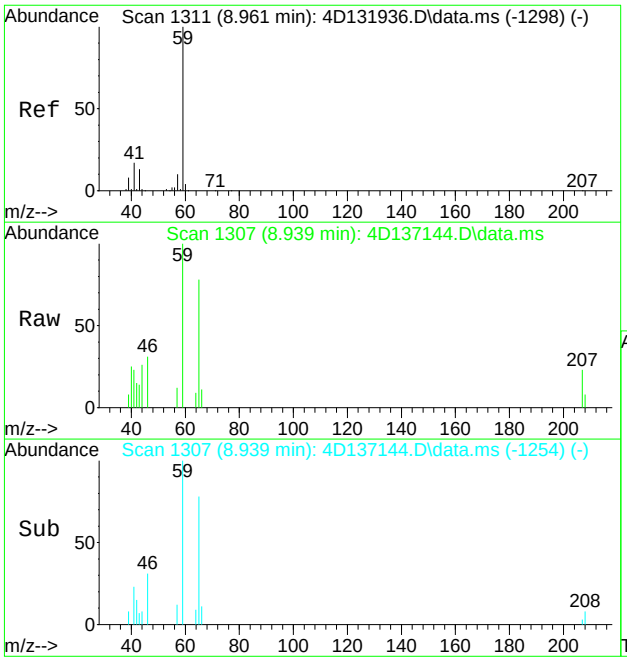
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137144.D
Acq On : 6 Jun 2024 9:01 pm
Operator : nickw
Sample : jd89699-3 Inst : GCMS4D
Misc : MS81759,V4D6052,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 07 17:00:19 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

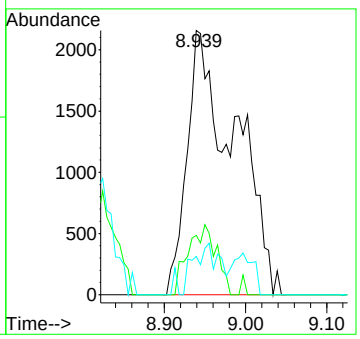




#2
tertiary butyl alcohol
Concen: 4.3696 ug/L
RT: 8.939 min Scan# 1307
Delta R.T. -0.022 min
Lab File: 4D137144.D
Acq: 6 Jun 2024 9:01 pm

Tgt Ion: 59 Resp: 8813

Ion	Ratio	Lower	Upper
59	100		
41	22.5	0.0	49.8
43	14.5	0.0	43.7



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137234.d
Acq On : 11 Jun 2024 12:52 pm
Operator : nickw
Sample : jd89699-4 Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 11 18:35:26 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

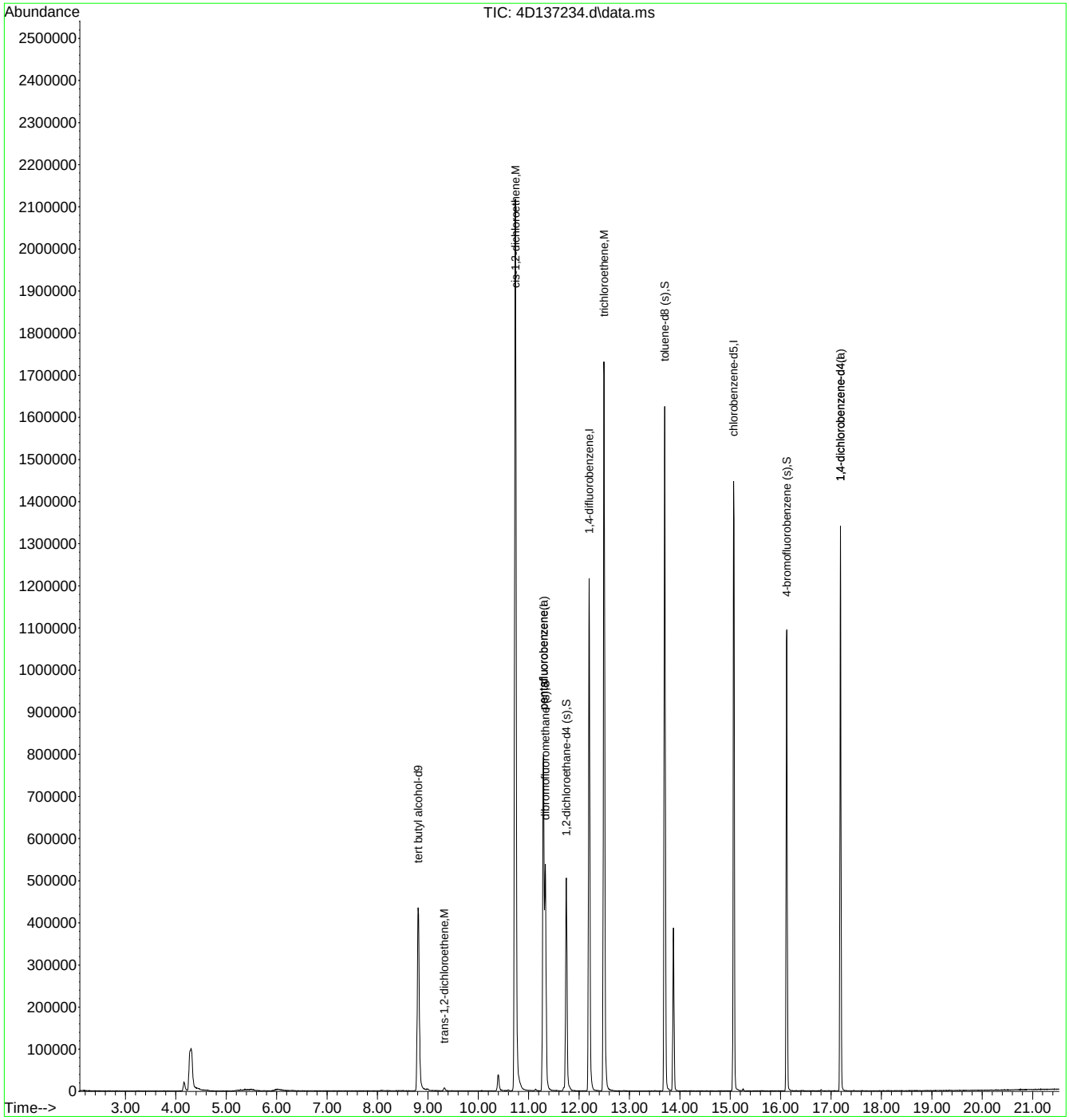
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.808	65	671828	500.00	ug/L	-0.02
5) pentafluorobenzene	11.294	168	577404	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.201	114	1005116	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	753506	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	315912	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.294	168	577404	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	315912	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.330	113	338251	54.88	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.76%			
52) 1,2-dichloroethane-d4 (s)	11.744	65	371927	50.41	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.82%			
74) toluene-d8 (s)	13.700	98	1051435	52.69	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.38%			
97) 4-bromofluorobenzene (s)	16.117	95	362751	54.46	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.92%			
Target Compounds						Qvalue
25) trans-1,2-dichloroethene	9.327	96	4031	0.7413	ug/L	81
36) cis-1,2-dichloroethene	10.738	96	1147901	180.9387	ug/L	91
60) trichloroethene	12.494	130	597404	96.8706	ug/L	96

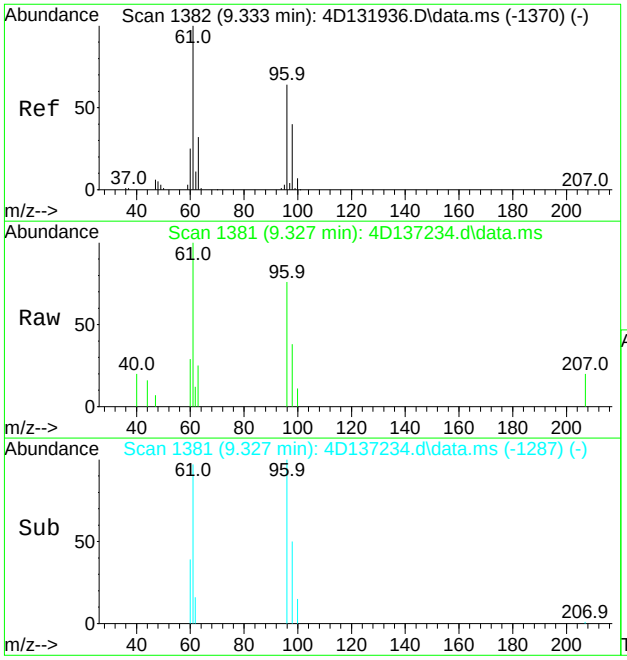
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137234.d
Acq On : 11 Jun 2024 12:52 pm
Operator : nickw
Sample : jd89699-4 Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 11 18:35:26 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

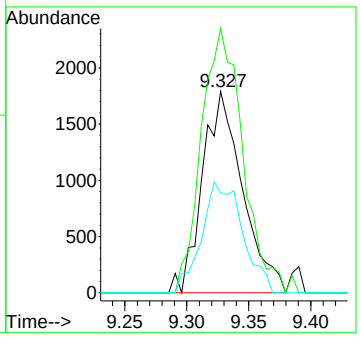


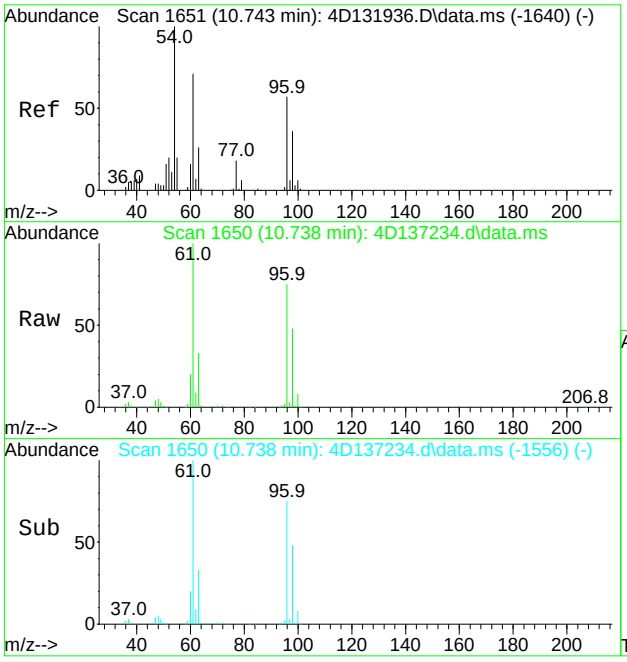


#25
trans-1,2-dichloroethene
Concen: 0.7413 ug/L
RT: 9.327 min Scan# 1381
Delta R.T. -0.006 min
Lab File: 4D137234.d
Acq: 11 Jun 2024 12:52 pm

Tgt Ion: 96 Resp: 4031

Ion	Ratio	Lower	Upper
96	100		
61	131.3	126.5	186.5
98	49.7	33.3	93.3

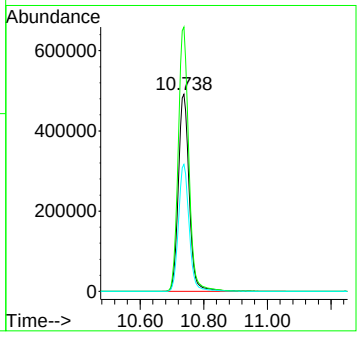


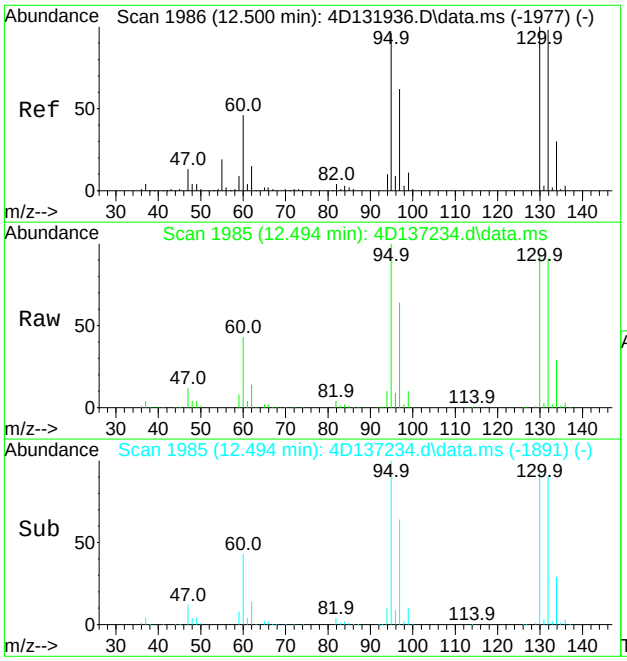


#36
cis-1,2-dichloroethene
Concen: 180.9387 ug/L
RT: 10.738 min Scan# 1650
Delta R.T. -0.005 min
Lab File: 4D137234.d
Acq: 11 Jun 2024 12:52 pm

Tgt Ion: 96 Resp: 1147901

Ion	Ratio	Lower	Upper
96	100		
61	134.2	119.6	179.6
98	64.4	34.3	94.3

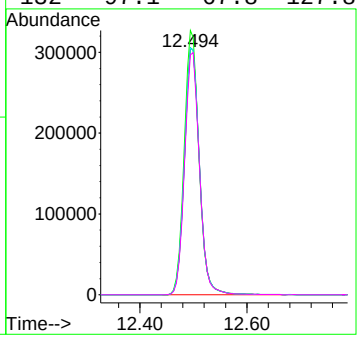




#60
trichloroethene
Concen: 96.8706 ug/L
RT: 12.494 min Scan# 1985
Delta R.T. -0.006 min
Lab File: 4D137234.d
Acq: 11 Jun 2024 12:52 pm

Tgt Ion:130 Resp: 597404

Ion	Ratio	Lower	Upper
130	100		
95	107.1	65.8	125.8
130	100.0	70.0	130.0
132	97.1	67.8	127.8



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-06-2024 NS\V4D6052\
Data File : 4D137126.D
Acq On : 6 Jun 2024 12:09 pm
Operator : nickw
Sample : mb Inst : GCMS4D
Misc : MS60945,V4D6052,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 20:45:21 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

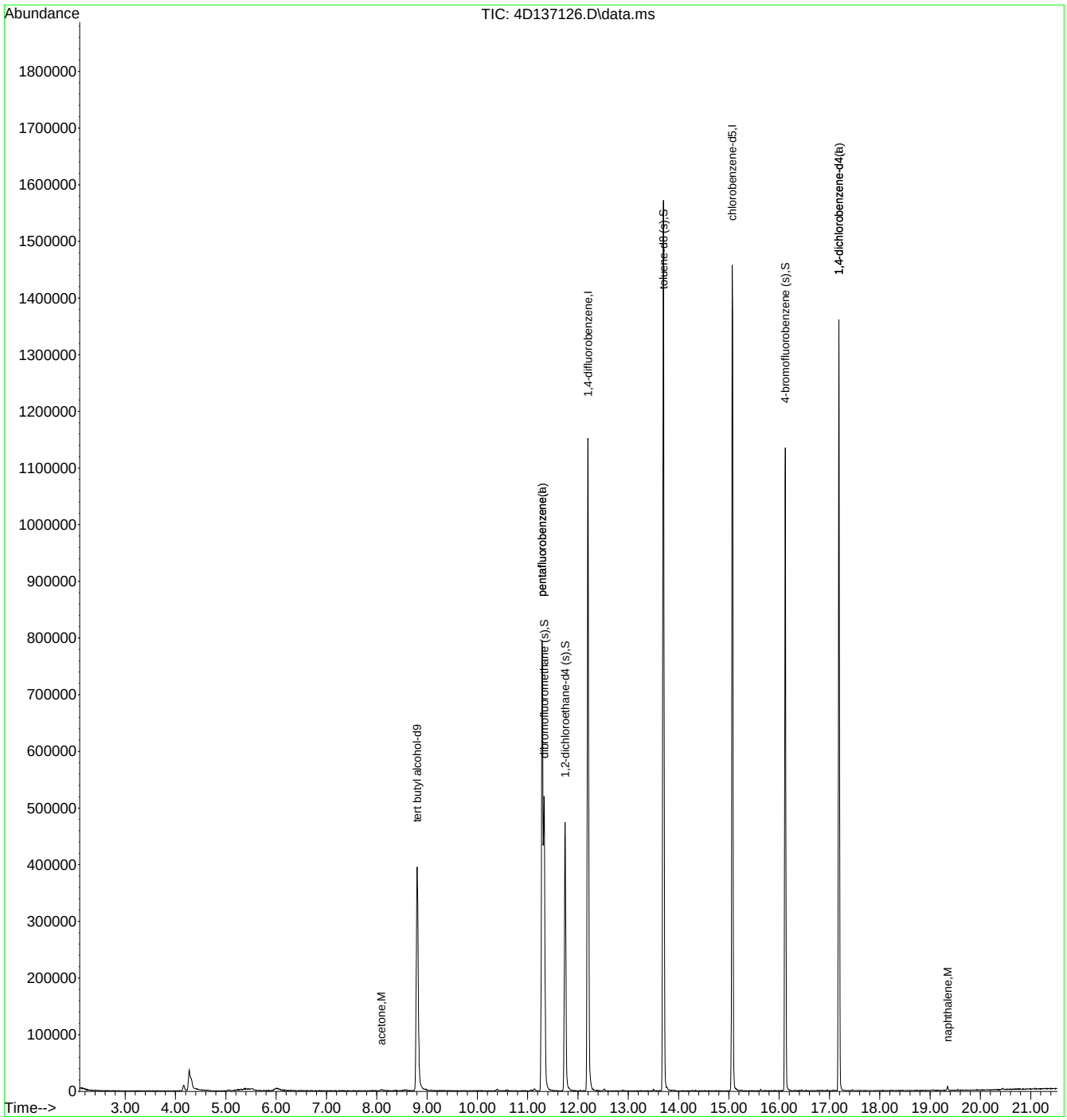
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.803	65	611524	500.00	ug/L	-0.03
5) pentafluorobenzene	11.288	168	567934	50.00	ug/L	-0.01
51) 1,4-difluorobenzene	12.201	114	976609	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	758817	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	320000	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.288	168	567934	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	320000	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.330	113	330467	54.51	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.02%			
52) 1,2-dichloroethane-d4 (s)	11.744	65	353514	49.32	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.64%			
74) toluene-d8 (s)	13.700	98	1037919	51.65	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.30%			
97) 4-bromofluorobenzene (s)	16.122	95	369479	54.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.54%			
Target Compounds						Qvalue
18) acetone	8.090	58	1181	0.8415	ug/L #	45
120) naphthalene	19.347	128	5838	0.3725	ug/L	100

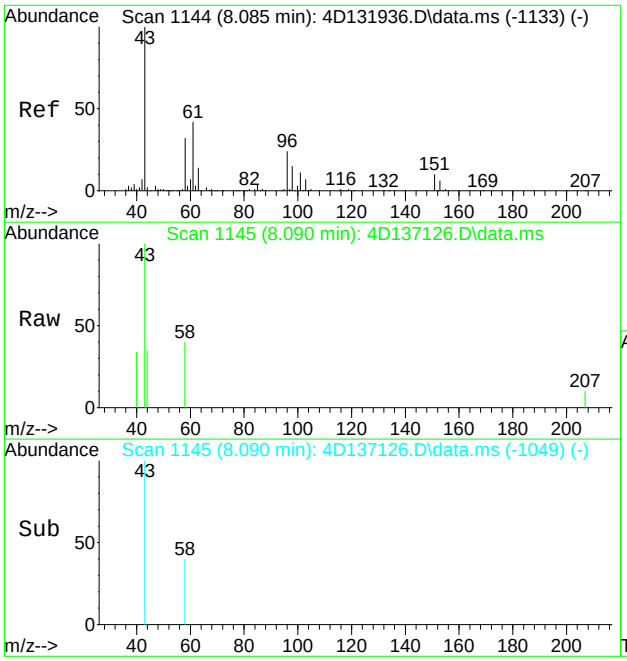
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-06-2024 NS\V4D6052\
Data File : 4D137126.D
Acq On : 6 Jun 2024 12:09 pm
Operator : nickw
Sample : mb Inst : GCMS4D
Misc : MS60945,V4D6052,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 20:45:21 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

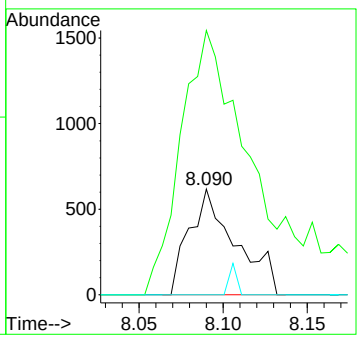


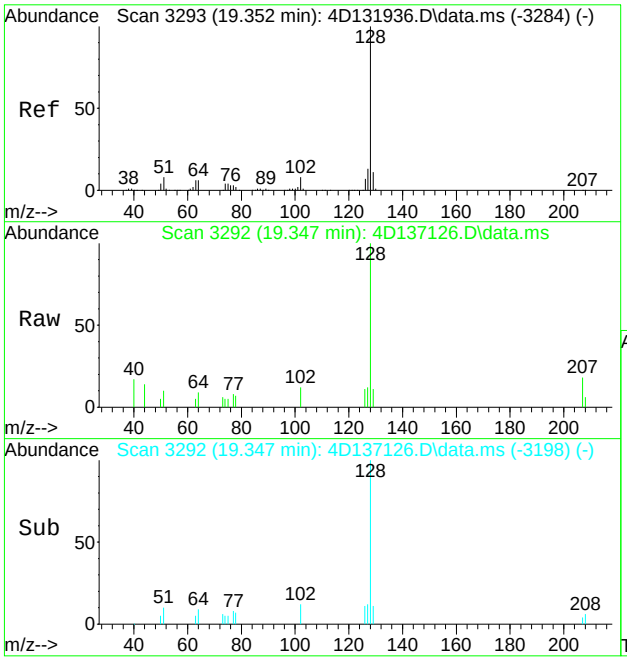


#18
acetone
Concen: 0.8415 ug/L
RT: 8.090 min Scan# 1145
Delta R.T. 0.005 min
Lab File: 4D137126.D
Acq: 6 Jun 2024 12:09 pm

Tgt Ion: 58 Resp: 1181

Ion	Ratio	Lower	Upper
58	100		
43	203.6	285.1	345.1#
42	0.0	0.0	53.5

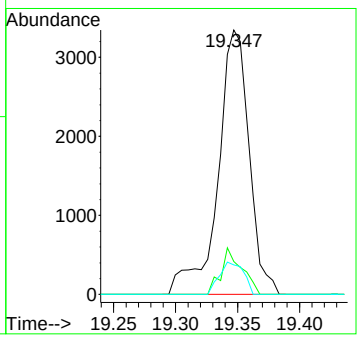




#120
naphthalene
Concen: 0.3725 ug/L
RT: 19.347 min Scan# 3292
Delta R.T. -0.005 min
Lab File: 4D137126.D
Acq: 6 Jun 2024 12:09 pm

Tgt Ion:128 Resp: 5838

Ion	Ratio	Lower	Upper
128	100		
127	12.4	0.0	42.5
129	11.2	0.0	41.0



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137232.d
Acq On : 11 Jun 2024 11:45 am
Operator : nickw
Sample : mb Inst : GCMS4D
Misc : MS37615,V4D6056,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 18:21:52 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

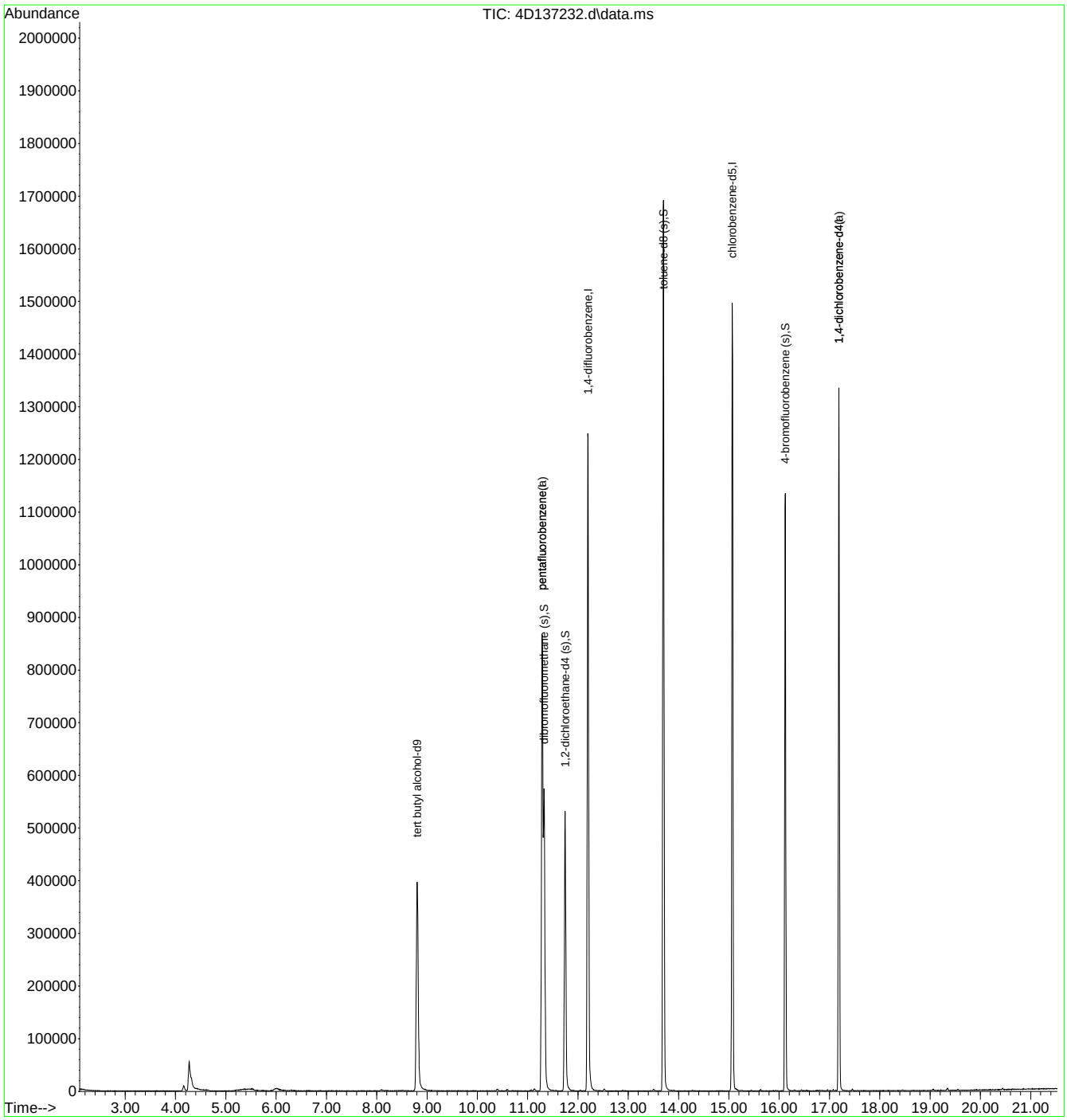
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.803	65	609422	500.00	ug/L	-0.03
5) pentafluorobenzene	11.288	168	625042	50.00	ug/L	-0.01
51) 1,4-difluorobenzene	12.201	114	1059933	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	778231	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	318486	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.288	168	625042	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	318486	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.325	113	360633	54.05	ug/L	-0.02
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.10%			
52) 1,2-dichloroethane-d4 (s)	11.745	65	390764	50.23	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.46%			
74) toluene-d8 (s)	13.700	98	1105894	53.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.32%			
97) 4-bromofluorobenzene (s)	16.117	95	369160	54.98	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.96%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137232.d
Acq On : 11 Jun 2024 11:45 am
Operator : nickw
Sample : mb Inst : GCMS4D
Misc : MS37615,V4D6056,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 18:21:52 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-06-2024 NS\V4D6052\
Data File : 4D137124.D
Acq On : 6 Jun 2024 10:53 am
Operator : nickw
Sample : bs Inst : GCMS4D
Misc : MS60945,V4D6052,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 20:40:09 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.808	65	626388	500.00	ug/L	-0.02
5) pentafluorobenzene	11.288	168	515363	50.00	ug/L	-0.01
51) 1,4-difluorobenzene	12.201	114	892294	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	696266	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	300911	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.288	168	515363	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	300911	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.325	113	301617	54.83	ug/L	-0.02
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.66%			
52) 1,2-dichloroethane-d4 (s)	11.745	65	309424	47.24	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.48%			
74) toluene-d8 (s)	13.700	98	942232	51.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.20%			
97) 4-bromofluorobenzene (s)	16.122	95	344660	54.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.66%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.940	59	153219	77.2161	ug/L	96
3) ethanol	7.304	45	349597	1854.9408	ug/L	100
4) 1,4-dioxane	12.804	88	61238	489.5807	ug/L	93
7) dichlorodifluoromethane	4.735	85	135721	17.3096	ug/L	100
8) chloromethane	5.233	50	130021	15.2006	ug/L	99
9) vinyl chloride	5.495	62	113079	15.9888	ug/L	99
10) 1,3-butadiene	5.600	54	175091	31.1533	ug/L	96
11) bromomethane	6.281	94	71384	18.7291	ug/L	99
12) chloroethane	6.528	64	78048	19.1551	ug/L	97
13) trichlorofluoromethane	7.073	101	170112	20.2607	ug/L	97
14) ethyl ether	7.582	74	69585	23.9988	ug/L	87
15) acrolein	7.844	56	28357	16.4767	ug/L	90
16) freon 113	8.059	151	84413	22.3368	ug/L	96
17) 1,1-dichloroethene	8.069	96	100206	23.2818	ug/L	91
18) acetone	8.074	58	70455	55.3210	ug/L	92
19) acetonitrile	8.546	41	280642	222.2190	ug/L	99
20) iodomethane	8.358	142	146101	23.5034	ug/L	96
21) carbon disulfide	8.515	76	305273	22.8208	ug/L	97
22) methylene chloride	8.882	84	117540	20.5653	ug/L	91
23) methyl acetate	8.609	74	29283	21.8925	ug/L	98
24) methyl tert butyl ether	9.275	73	334462	20.8695	ug/L	98
25) trans-1,2-dichloroethene	9.322	96	110821	22.8331	ug/L	93
26) di-isopropyl ether	9.941	45	394360	20.6578	ug/L	99
27) 2-butanone	10.659	72	94818	81.8766	ug/L	99
28) 1,1-dichloroethane	9.962	63	199222	20.2978	ug/L	98
29) chloroprene	10.072	53	169016	19.0032	ug/L	92
30) acrylonitrile	9.207	53	68587	20.5857	ug/L	97
31) hexane	9.721	56	80703	17.6570	ug/L	90
32) vinyl acetate	9.888	86	27766	24.8727	ug/L #	88
33) ethyl tert-butyl ether	10.439	59	359583	18.9224	ug/L	96
34) ethyl acetate	10.675	70	20811	18.8963	ug/L	94
35) 2,2-dichloropropane	10.759	77	165406	21.5063	ug/L	96
36) cis-1,2-dichloroethene	10.733	96	122081	21.5597	ug/L	92
37) methyl acrylate	10.764	55	199637	19.6918	ug/L	96
38) propionitrile	10.738	54	289503	195.6889	ug/L	91
39) bromochloromethane	11.047	128	59464	21.0091	ug/L	96
40) tetrahydrofuran	11.063	72	25958	21.6885	ug/L	98
41) chloroform	11.136	85	130619	22.7403	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-06-2024 NS\V4D6052\
Data File : 4D137124.D
Acq On : 6 Jun 2024 10:53 am
Operator : nickw
Sample : bs Inst : GCMS4D
Misc : MS60945,V4D6052,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 20:40:09 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	11.163	59	67568	27.2794	ug/L		96
44) methacrylonitrile	10.948	67	65917	20.6600	ug/L		98
45) 1,1,1-trichloroethane	11.393	97	163529	20.9746	ug/L		95
46) cyclohexane	11.503	84	144139	20.5177	ug/L		92
47) 1,1-dichloropropene	11.566	75	142543	21.7269	ug/L		99
48) isobutyl alcohol	11.524	74	11056	182.9286	ug/L	#	53
49) carbon tetrachloride	11.592	117	137468	20.4793	ug/L		99
50) tert amyl alcohol	11.682	55	50025	88.1460	ug/L		92
53) n-butyl alcohol	12.243	56	387728	870.9097	ug/L		89
54) 2,2,4-trimethylpentane	11.891	57	274569	18.2197	ug/L		96
55) benzene	11.807	78	402845	20.3588	ug/L		98
56) tert-amyl methyl ether	11.876	87	68257	18.0698	ug/L	#	87
57) heptane	12.049	71	68285	20.8063	ug/L		91
58) isopropyl acetate	11.713	87	31563	20.9611	ug/L	#	74
59) 1,2-dichloroethane	11.834	62	142423	17.3532	ug/L		98
60) trichloroethene	12.494	130	101548	18.5483	ug/L		98
61) ethyl acrylate	12.468	55	187678	17.8366	ug/L		98
63) 2-chloroethyl vinyl ether	13.207	63	302394	99.2484	ug/L		99
64) methyl methacrylate	12.714	100	34300	18.1689	ug/L	#	86
65) 1,2-dichloropropane	12.762	63	107039	18.9188	ug/L		97
66) dibromomethane	12.867	93	69012	19.3652	ug/L		96
67) methylcyclohexane	12.767	83	149892	19.1889	ug/L		95
68) bromodichloromethane	13.003	83	138755	19.0492	ug/L		98
69) epichlorohydrin	13.291	57	94910	87.9404	ug/L		99
70) cis-1,3-dichloropropene	13.417	75	167375	19.3151	ug/L		98
71) 4-methyl-2-pentanone	13.501	58	241430	70.9102	ug/L	#	83
75) toluene	13.768	92	219845	18.9178	ug/L		100
76) trans-1,3-dichloropropene	13.931	75	143903	18.7794	ug/L		99
77) ethyl methacrylate	13.905	69	142427	18.8723	ug/L		97
78) 1,1,2-trichloroethane	14.135	83	80767	19.5104	ug/L		96
79) tetrachloroethene	14.272	164	76796	19.0137	ug/L		96
80) 1,3-dichloropropane	14.298	76	148599	20.3657	ug/L		99
81) 2-hexanone	14.266	58	243422	67.0000	ug/L	#	84
82) butyl acetate	14.329	56	87806	16.9880	ug/L	#	79
83) dibromochloromethane	14.529	129	103600	17.9793	ug/L		98
84) 1,2-dibromoethane	14.670	107	100977	19.1241	ug/L		99
85) n-butyl ether	15.032	57	380911	17.4262	ug/L		97
86) chlorobenzene	15.100	112	232356	18.1763	ug/L		95
87) 1,1,1,2-tetrachloroethane	15.153	131	83578	18.1100	ug/L		99
88) ethylbenzene	15.147	91	383520	18.3817	ug/L		99
89) m,p-xylene	15.252	106	296775	36.9764	ug/L		99
90) o-xylene	15.619	106	145147	18.4700	ug/L		99
91) styrene	15.630	104	230651	17.4847	ug/L		96
92) bromoform	15.850	173	73981	17.9794	ug/L		100
93) butyl acrylate	15.441	55	201794	16.3566	ug/L		96
94) isopropylbenzene	15.934	105	328486	18.0385	ug/L		98
95) cis-1,4-dichloro-2-butene	15.960	88	7780	3.2412	ug/L		98
98) bromobenzene	16.295	156	94740	18.7201	ug/L		93
99) 1,1,2,2-tetrachloroethane	16.185	83	129312	19.2884	ug/L		98
100) trans-1,4-dichloro-2-b...	16.212	53	8341	4.0882	ug/L		95
101) 1,2,3-trichloropropane	16.264	110	35030	19.4879	ug/L		99
102) n-propylbenzene	16.306	91	390482	18.4895	ug/L		99
103) 2-chlorotoluene	16.437	126	82502	18.1246	ug/L		89
104) 4-chlorotoluene	16.537	91	253570	18.2655	ug/L		97
105) 1,3,5-trimethylbenzene	16.448	105	262335	17.6379	ug/L		100
106) tert-butylbenzene	16.762	134	48628	17.6195	ug/L		90
107) 1,2,4-trimethylbenzene	16.804	105	262382	17.5044	ug/L		99
108) sec-butylbenzene	16.961	105	302625	17.5005	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-06-2024 NS\V4D6052\
Data File : 4D137124.D
Acq On : 6 Jun 2024 10:53 am
Operator : nickw
Sample : bs Inst : GCMS4D
Misc : MS60945,V4D6052,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 20:40:09 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

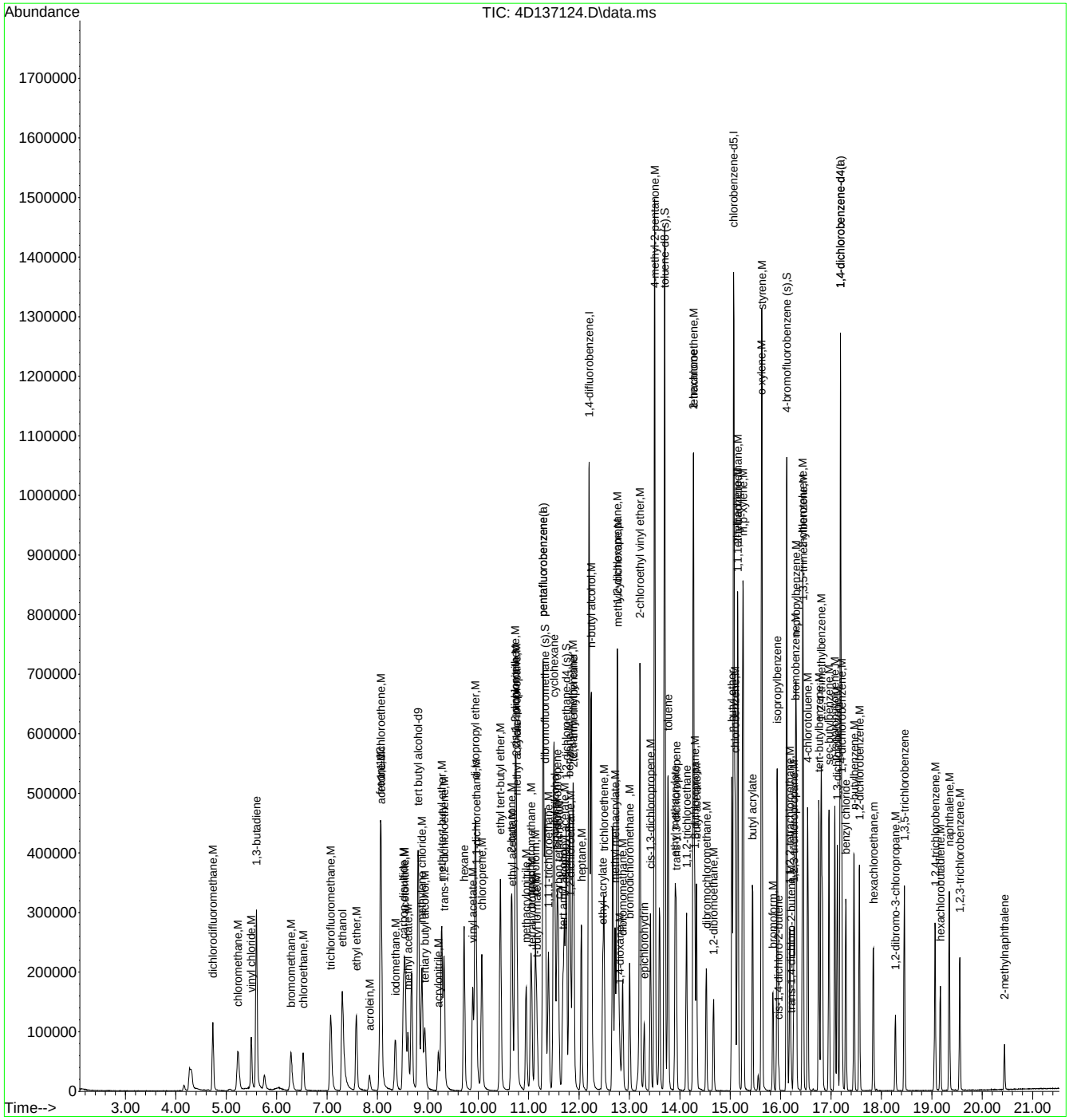
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	17.124	146	153858	17.5989	ug/L	98
110) p-isopropyltoluene	17.077	119	247333	17.2621	ug/L	98
111) 1,4-dichlorobenzene	17.213	146	152068	18.0660	ug/L	99
113) benzyl chloride	17.292	91	207789	18.1541	ug/L	100
114) 1,2-dichlorobenzene	17.564	146	143808	17.4334	ug/L	98
115) n-butylbenzene	17.459	92	113311	17.9381	ug/L	99
116) 1,2-dibromo-3-chloropr...	18.277	157	31766	17.2471	ug/L	96
117) 1,3,5-trichlorobenzene	18.456	180	97883	19.1927	ug/L	100
118) 1,2,4-trichlorobenzene	19.069	180	82157	18.5042	ug/L	96
119) hexachlorobutadiene	19.169	225	34074	19.6605	ug/L	99
120) naphthalene	19.347	128	230576	15.6454	ug/L	99
121) 1,2,3-trichlorobenzene	19.557	180	68262	17.2505	ug/L	95
122) hexachloroethane	17.842	201	40326	18.6769	ug/L	97
123) 2-methylnaphthalene	20.443	142	31444	5.0157	ug/L	98

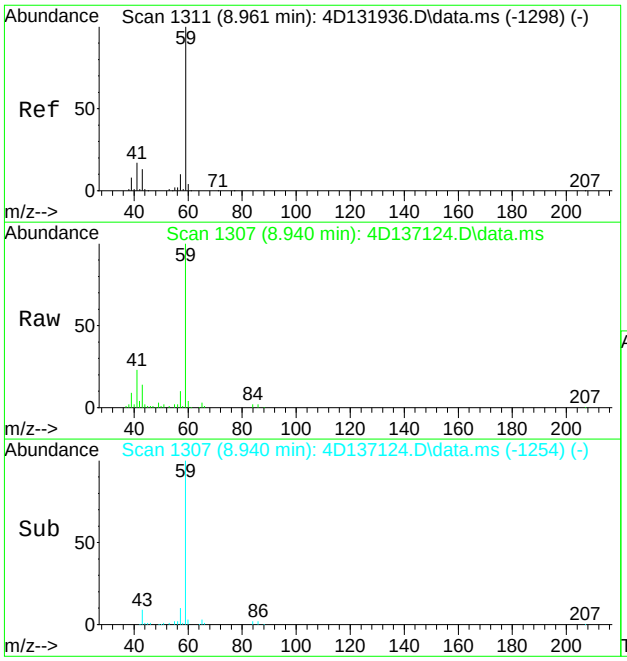
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-06-2024 NS\V4D6052\
Data File : 4D137124.D
Acq On : 6 Jun 2024 10:53 am
Operator : nickw
Sample : bs Inst : GCMS4D
Misc : MS60945,V4D6052,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 20:40:09 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

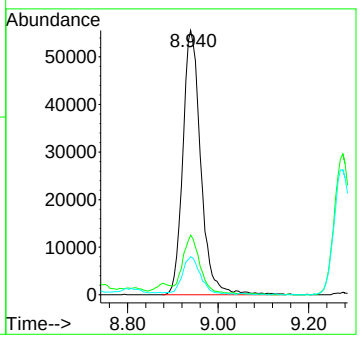


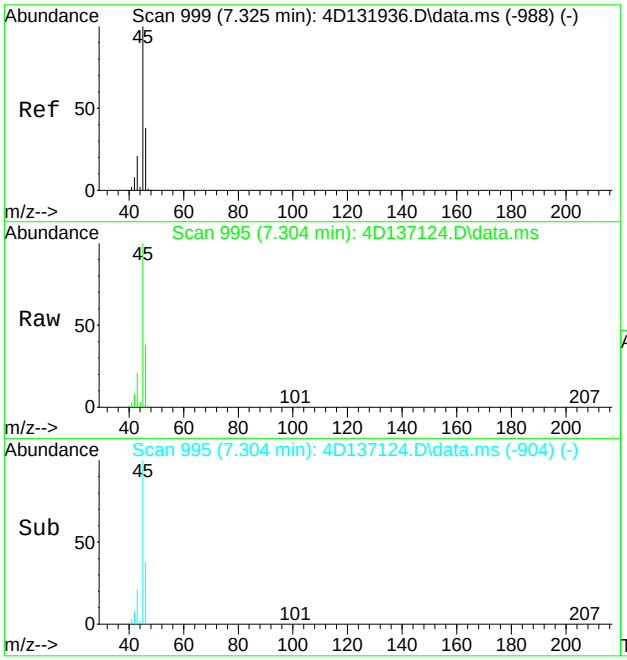


#2
tertiary butyl alcohol
Concen: 77.2161 ug/L
RT: 8.940 min Scan# 1307
Delta R.T. -0.021 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 59 Resp: 153219

Ion	Ratio	Lower	Upper
59	100		
41	22.6	0.0	49.8
43	14.4	0.0	43.7

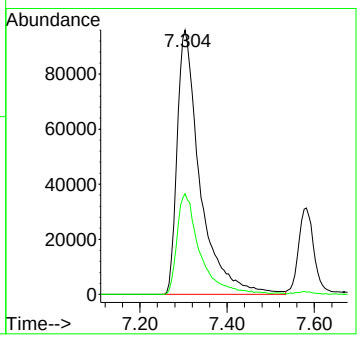


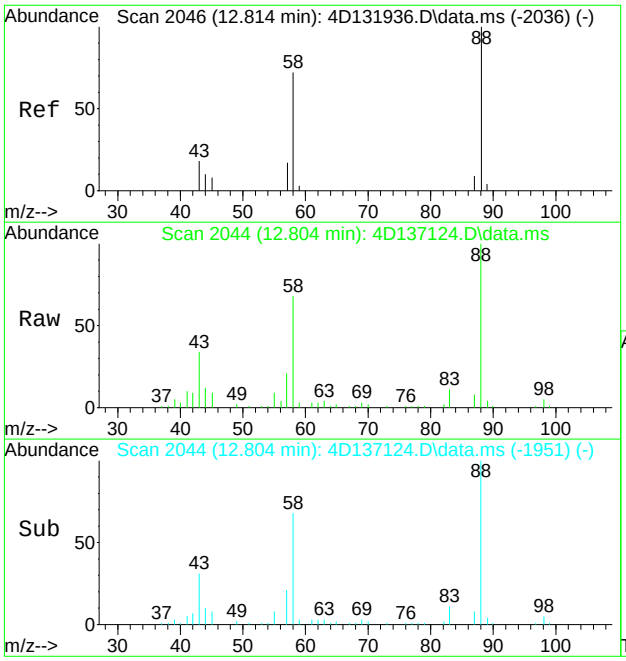


#3
ethanol
Concen: 1854.9408 ug/L
RT: 7.304 min Scan# 995
Delta R.T. -0.021 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 45 Resp: 349597

Ion	Ratio	Lower	Upper
45	100		
46	38.1	8.2	68.2

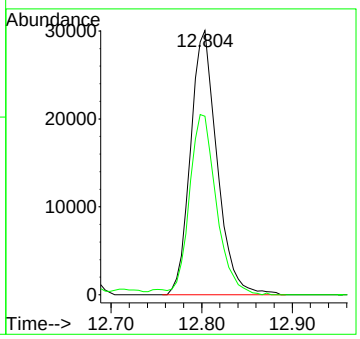


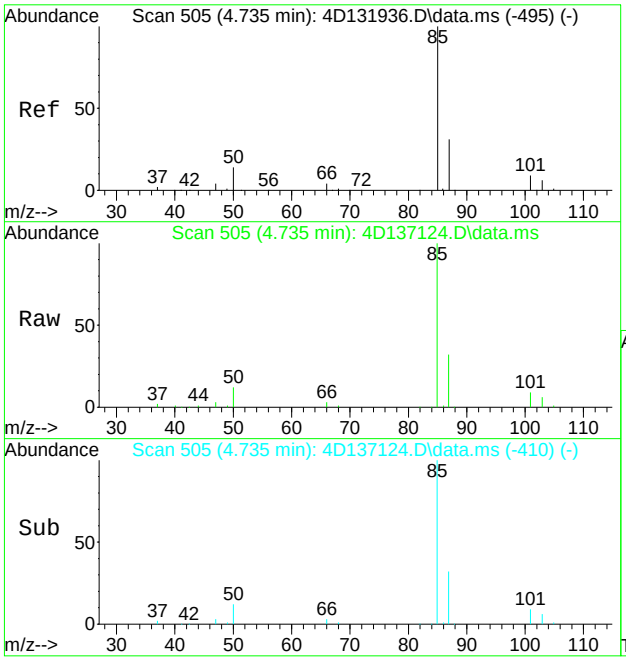


#4
1,4-dioxane
Concen: 489.5807 ug/L
RT: 12.804 min Scan# 2044
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 88 Resp: 61238

Ion	Ratio	Lower	Upper
88	100		
58	67.6	43.1	103.1

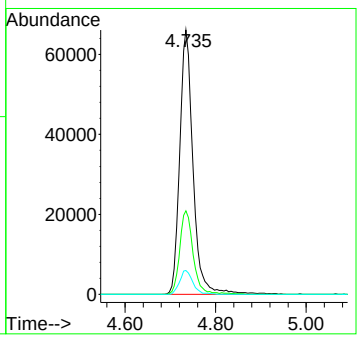


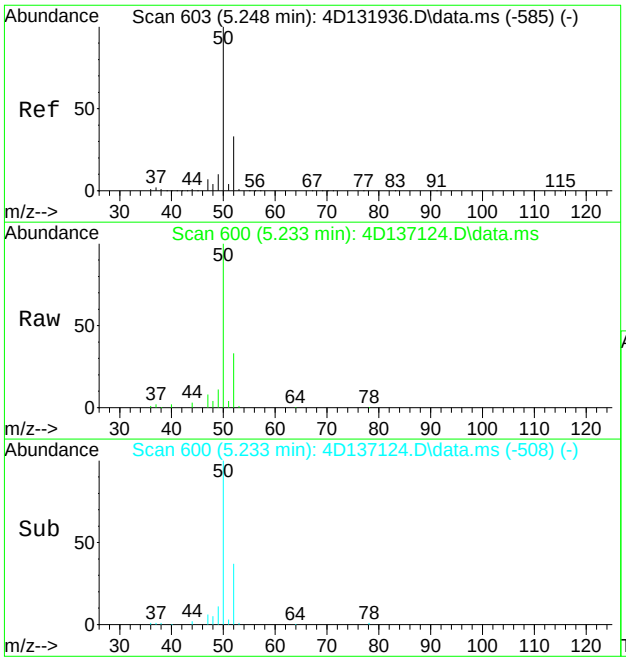


#7
dichlorodifluoromethane
Concen: 17.3096 ug/L
RT: 4.735 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 85 Resp: 135721

Ion	Ratio	Lower	Upper
85	100		
87	31.6	1.4	61.4
101	9.1	0.0	39.3

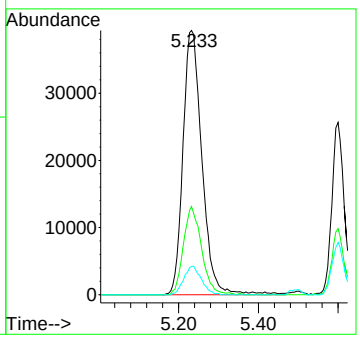


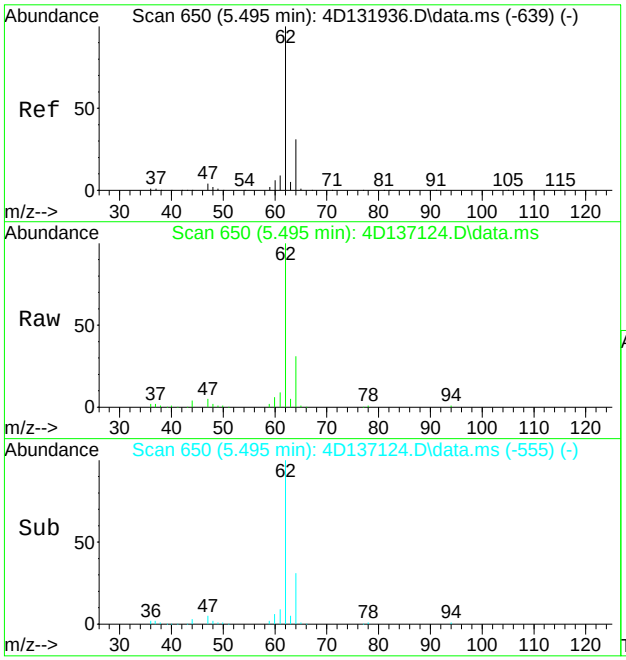


#8
chloromethane
Concen: 15.2006 ug/L
RT: 5.233 min Scan# 600
Delta R.T. -0.015 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 50 Resp: 130021

Ion	Ratio	Lower	Upper
50	100		
52	33.4	2.8	62.8
49	10.8	0.0	40.0

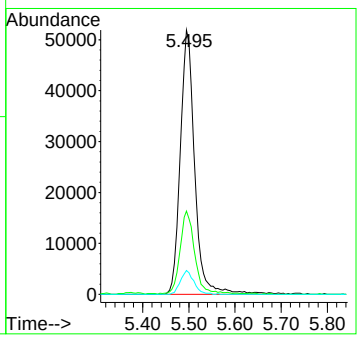


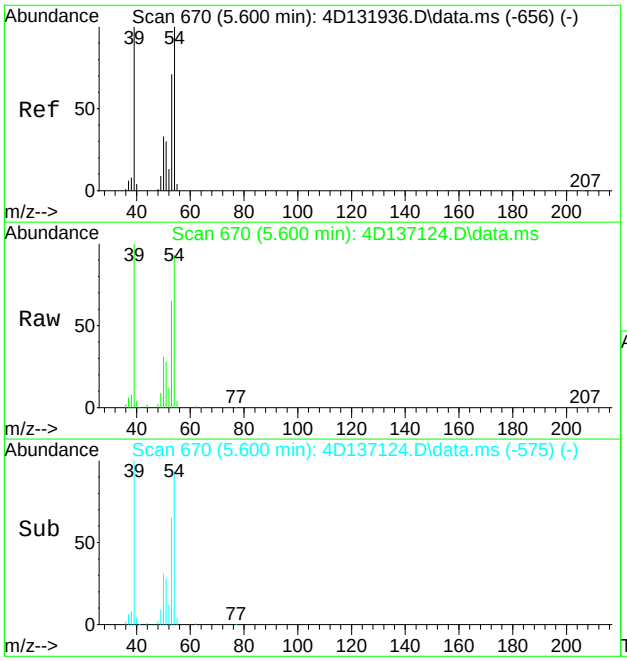


#9
vinyl chloride
Concen: 15.9888 ug/L
RT: 5.495 min Scan# 650
Delta R.T. -0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 62 Resp: 113079

Ion	Ratio	Lower	Upper
62	100		
64	31.5	1.2	61.2
61	9.0	0.0	38.7

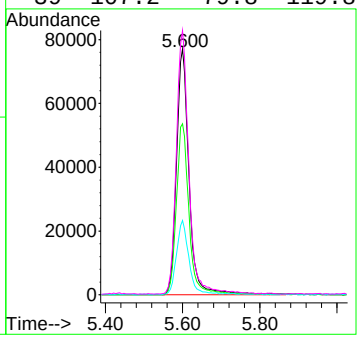


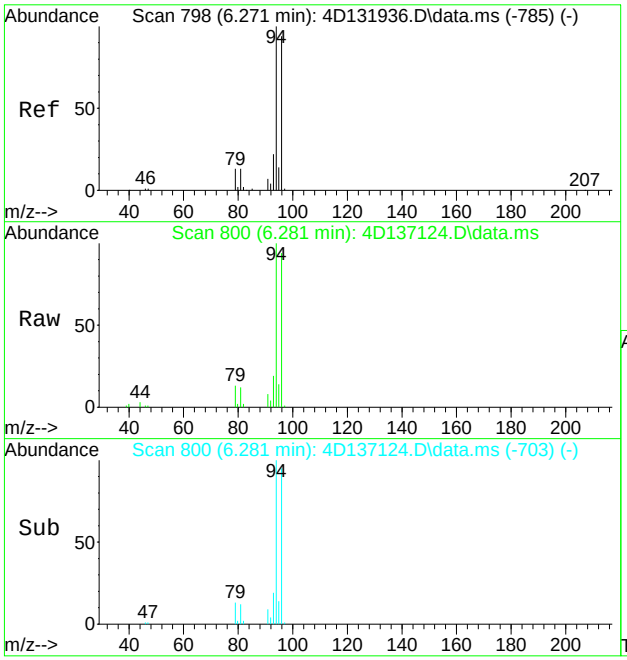


#10
1,3-butadiene
Concen: 31.1533 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 54 Resp: 175091

Ion	Ratio	Lower	Upper
54	100		
53	69.6	41.0	101.0
51	30.0	0.0	59.6
39	107.2	79.8	119.8

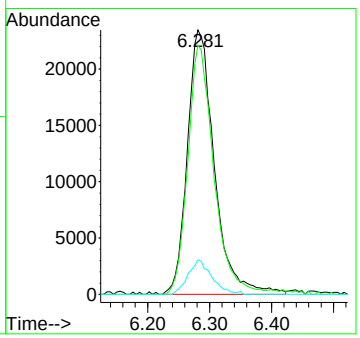


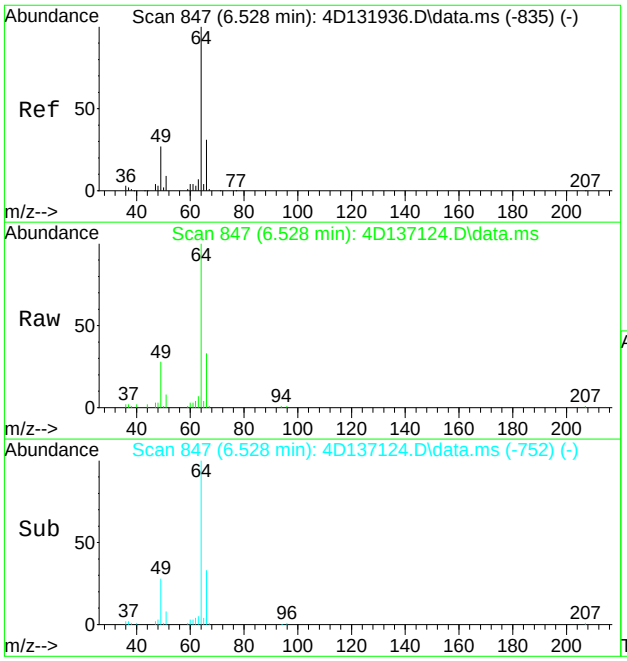


#11
bromomethane
Concen: 18.7291 ug/L
RT: 6.281 min Scan# 800
Delta R.T. 0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 94 Resp: 71384

Ion	Ratio	Lower	Upper
94	100		
96	94.2	63.6	123.6
79	13.1	0.0	43.4

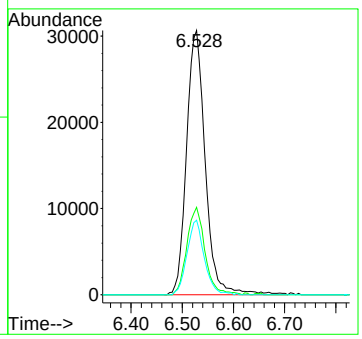


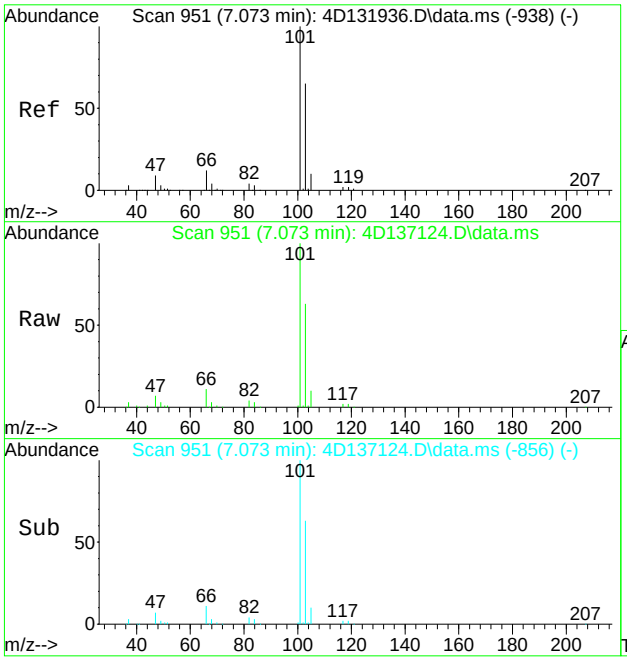


#12
chloroethane
Concen: 19.1551 ug/L
RT: 6.528 min Scan# 847
Delta R.T. -0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 64 Resp: 78048

Ion	Ratio	Lower	Upper
64	100		
66	33.1	1.2	61.2
49	28.2	0.0	57.3

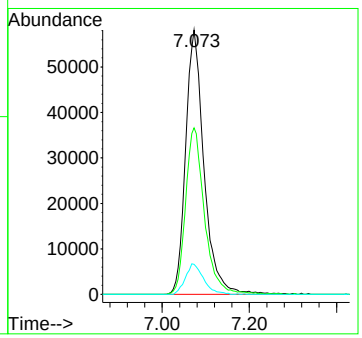


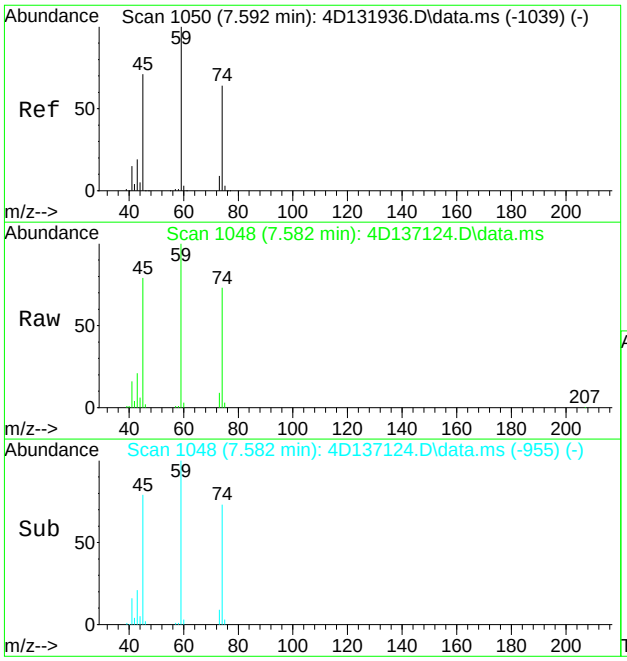


#13
trichlorofluoromethane
Concen: 20.2607 ug/L
RT: 7.073 min Scan# 951
Delta R.T. -0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:101 Resp: 170112

Ion	Ratio	Lower	Upper
101	100		
103	62.9	35.1	95.1
66	11.4	0.0	42.2

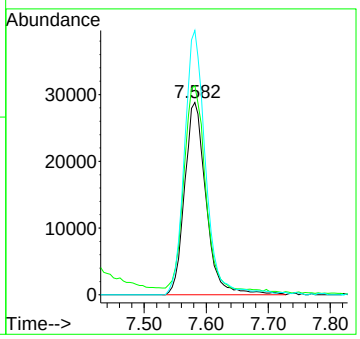


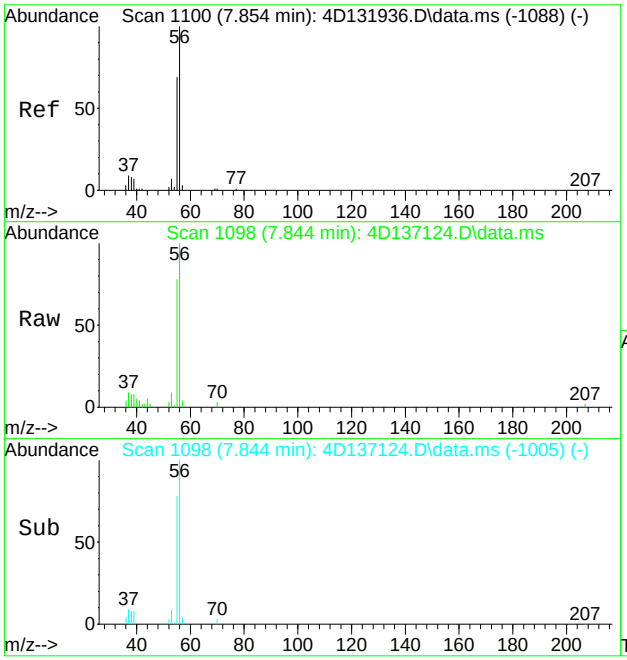


#14
ethyl ether
Concen: 23.9988 ug/L
RT: 7.582 min Scan# 1048
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 74 Resp: 69585

Ion	Ratio	Lower	Upper
74	100		
45	107.1	89.0	149.0
59	137.5	125.8	185.8

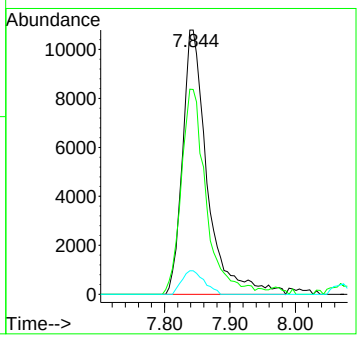


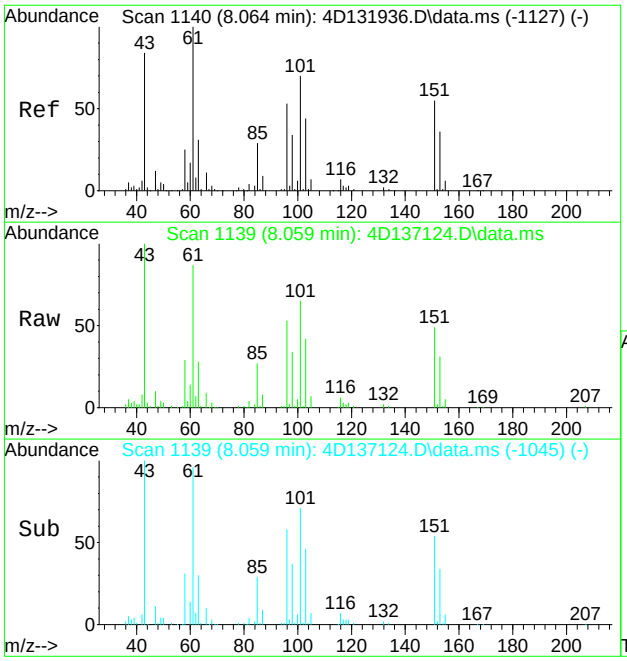


#15
acrolein
Concen: 16.4767 ug/L
RT: 7.844 min Scan# 1098
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 56 Resp: 28357

Ion	Ratio	Lower	Upper
56	100		
55	77.5	38.7	98.7
53	9.0	0.0	37.5

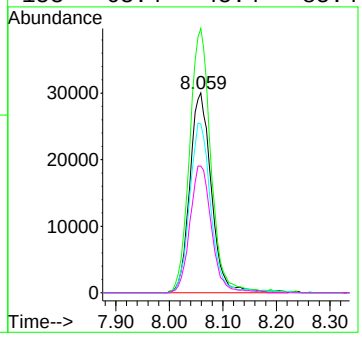


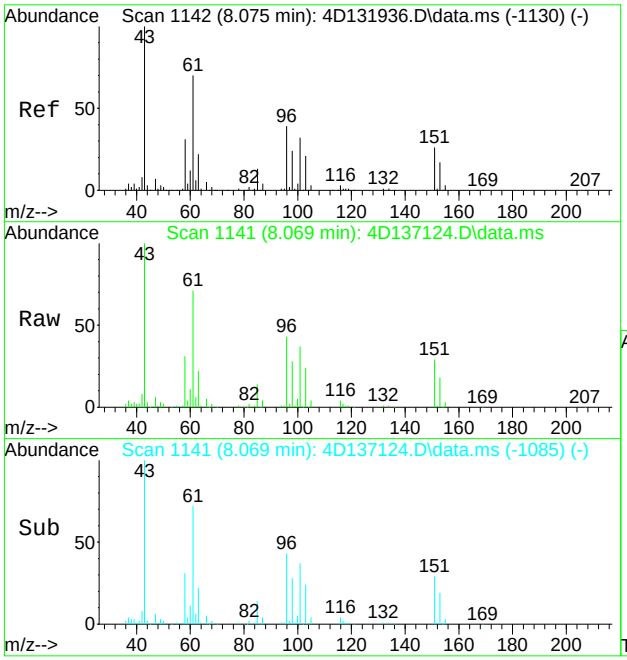


#16
freon 113
Concen: 22.3368 ug/L
RT: 8.059 min Scan# 1139
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:151 Resp: 84413

Ion	Ratio	Lower	Upper
151	100		
101	132.4	107.6	147.6
103	84.6	61.2	101.2
153	63.4	45.4	85.4

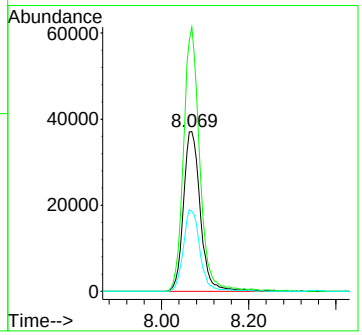


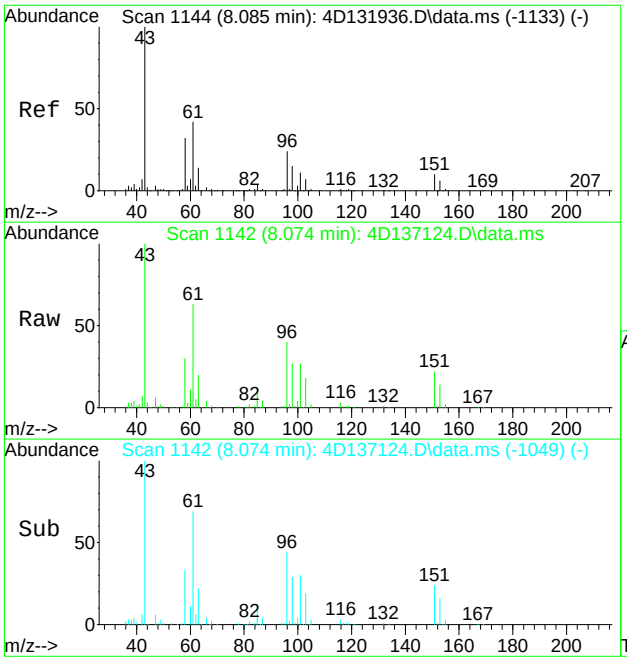


#17
1,1-dichloroethene
Concen: 23.2818 ug/L
RT: 8.069 min Scan# 1141
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 96 Resp: 100206

Ion	Ratio	Lower	Upper
96	100		
61	165.5	149.0	209.0
63	50.0	26.1	86.1

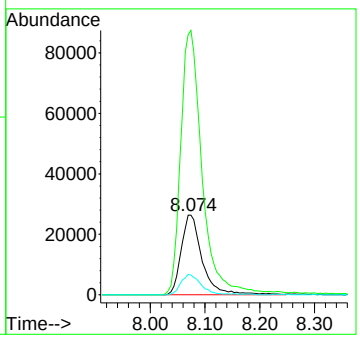


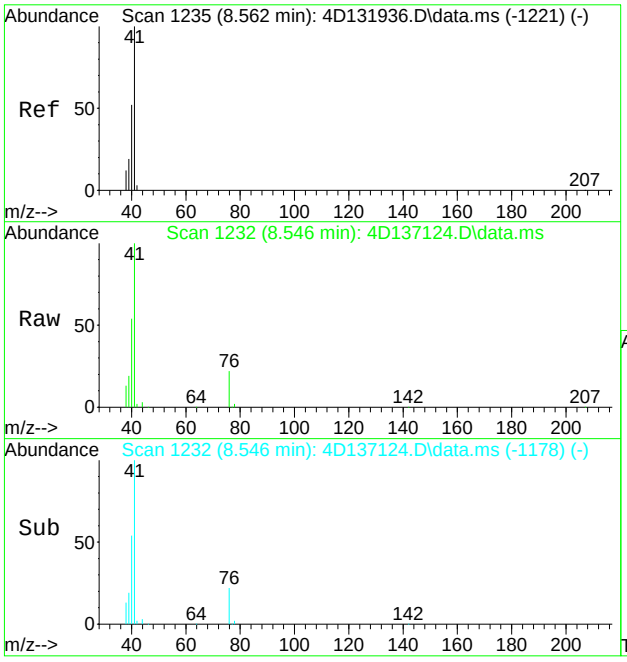


#18
acetone
Concen: 55.3210 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 58 Resp: 70455

Ion	Ratio	Lower	Upper
58	100		
43	332.1	285.1	345.1
42	24.8	0.0	53.5

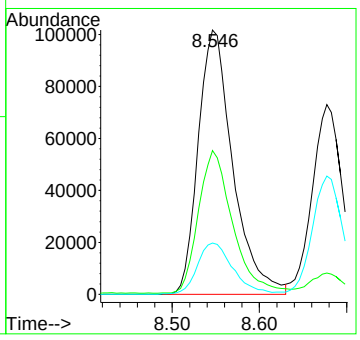


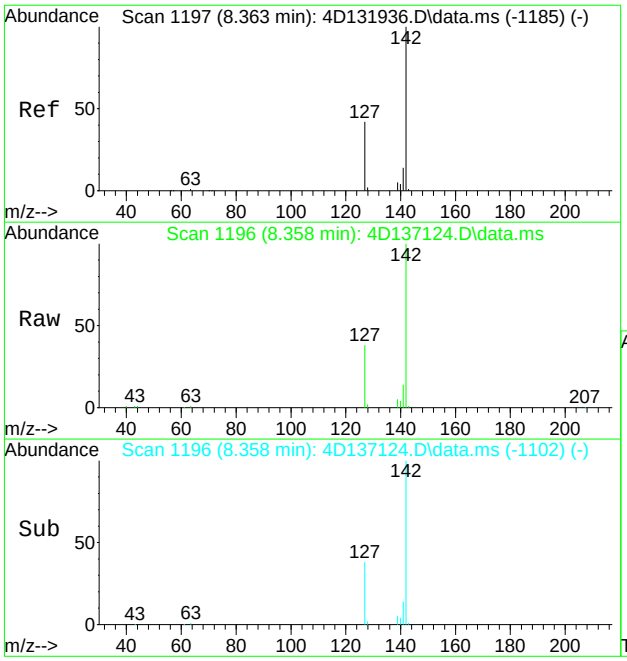


#19
acetonitrile
Concen: 222.2190 ug/L
RT: 8.546 min Scan# 1232
Delta R.T. -0.016 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 41 Resp: 280642

Ion	Ratio	Lower	Upper
41	100		
40	53.8	22.4	82.4
39	19.2	0.0	49.2

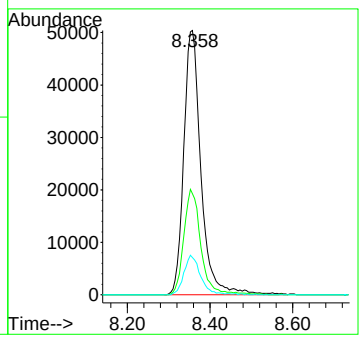


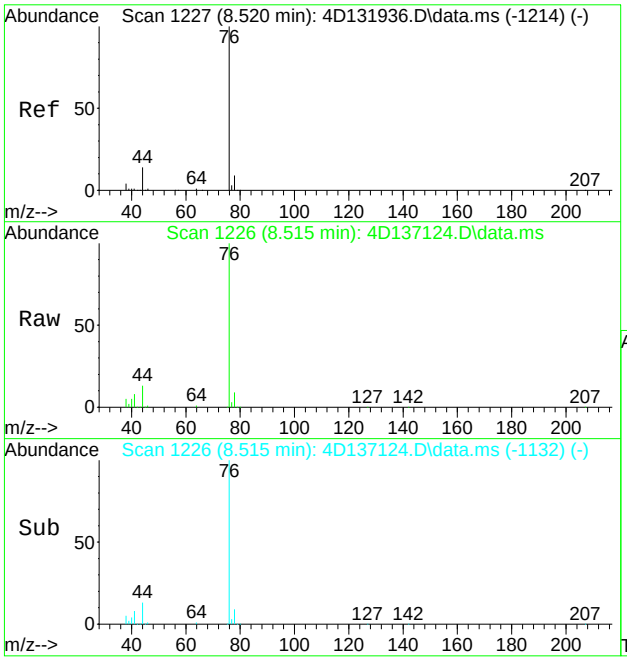


#20
iodomethane
Concen: 23.5034 ug/L
RT: 8.358 min Scan# 1196
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:142 Resp: 146101

Ion	Ratio	Lower	Upper
142	100		
127	38.3	11.7	71.7
141	14.1	0.0	44.4

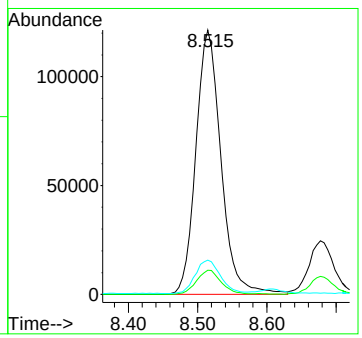


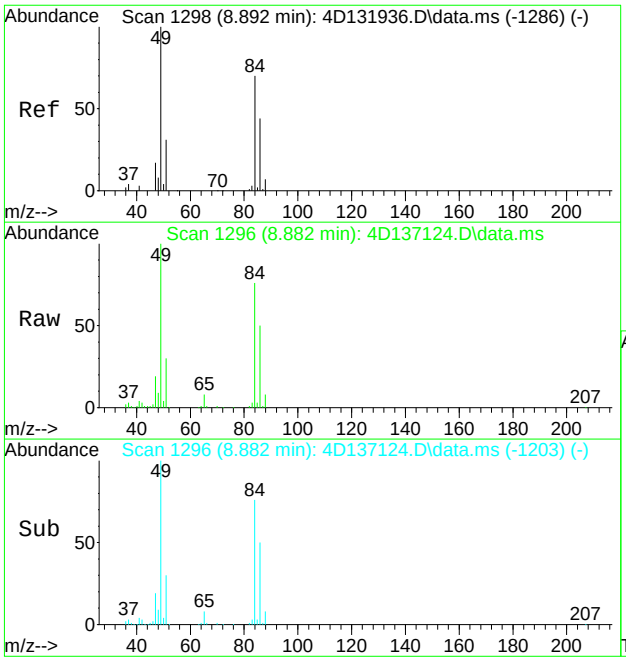


#21
carbon disulfide
Concen: 22.8208 ug/L
RT: 8.515 min Scan# 1226
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 76 Resp: 305273

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	39.2
44	12.6	0.0	44.4

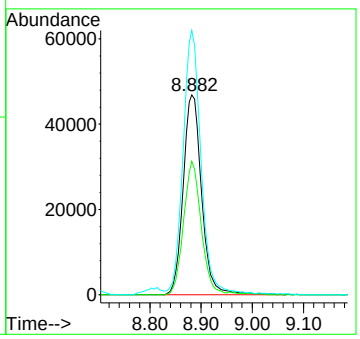


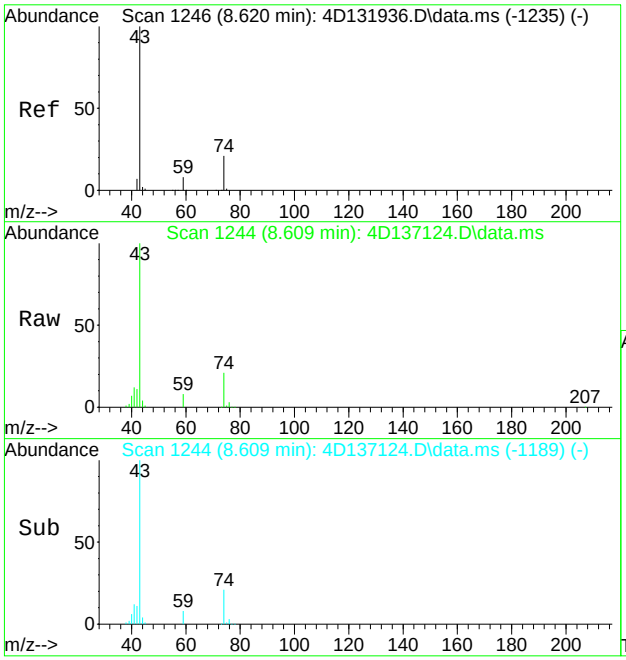


#22
methylene chloride
Concen: 20.5653 ug/L
RT: 8.882 min Scan# 1296
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 84 Resp: 117540

Ion	Ratio	Lower	Upper
84	100		
86	66.8	33.7	93.7
49	131.7	114.9	174.9

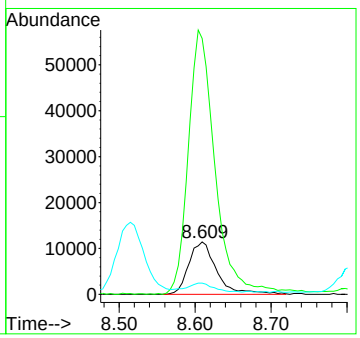


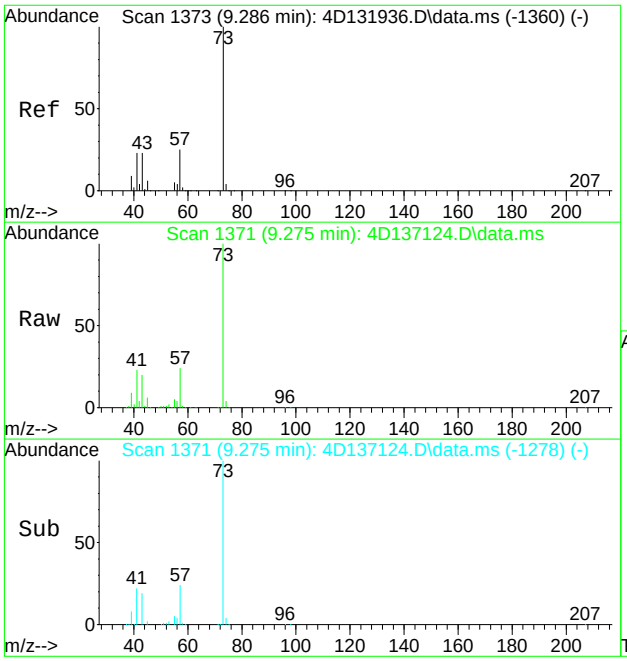


#23
methyl acetate
Concen: 21.8925 ug/L
RT: 8.609 min Scan# 1244
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 74 Resp: 29283

Ion	Ratio	Lower	Upper
74	100		
43	487.5	453.1	513.1
44	17.4	0.0	45.1

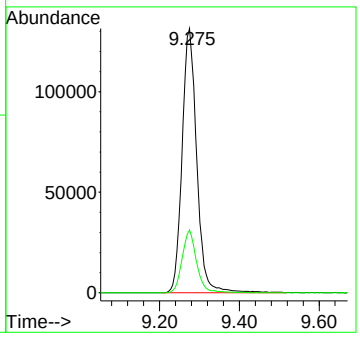


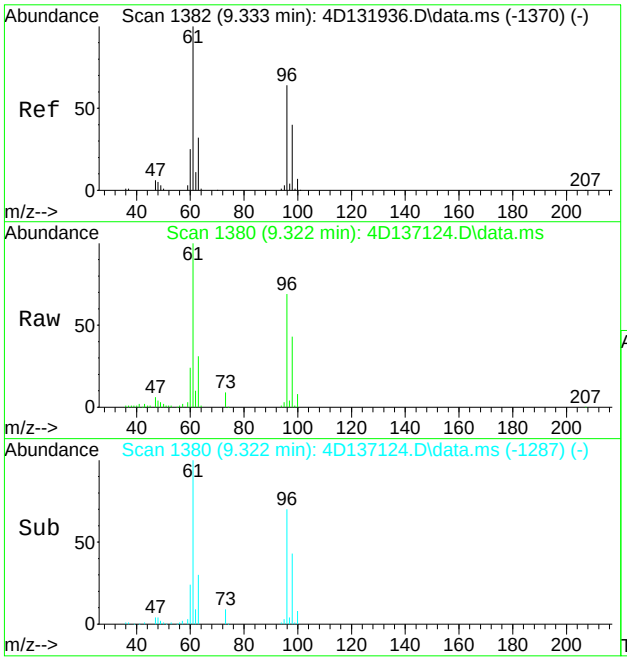


#24
methyl tert butyl ether
Concen: 20.8695 ug/L
RT: 9.275 min Scan# 1371
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 73 Resp: 334462

Ion	Ratio	Lower	Upper
73	100		
57	23.7	0.0	224.6

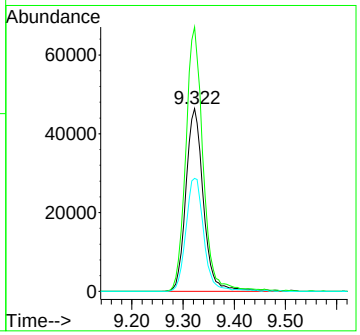


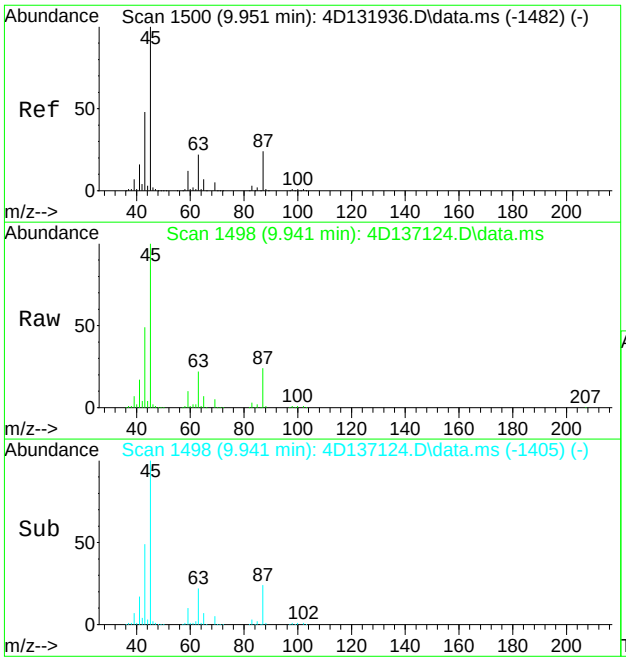


#25
trans-1,2-dichloroethene
Concen: 22.8331 ug/L
RT: 9.322 min Scan# 1380
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 96 Resp: 110821

Ion	Ratio	Lower	Upper
96	100		
61	144.6	126.5	186.5
98	61.8	33.3	93.3

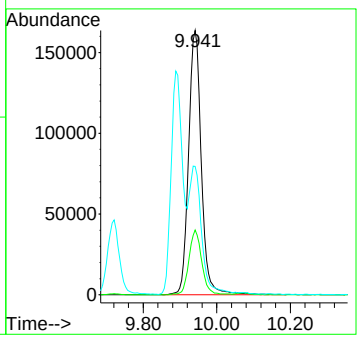


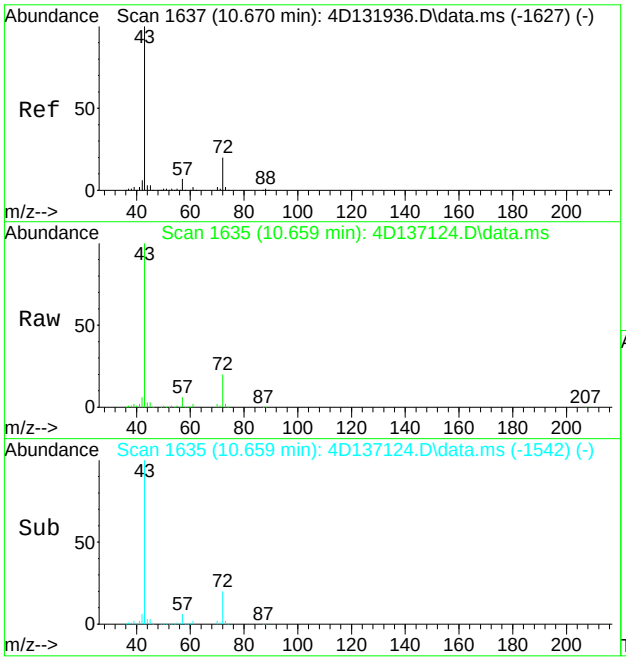


#26
di-isopropyl ether
Concen: 20.6578 ug/L
RT: 9.941 min Scan# 1498
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 45 Resp: 394360

Ion	Ratio	Lower	Upper
45	100		
87	24.5	0.0	54.4
43	48.3	18.8	78.8

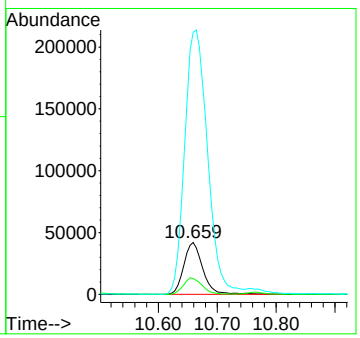


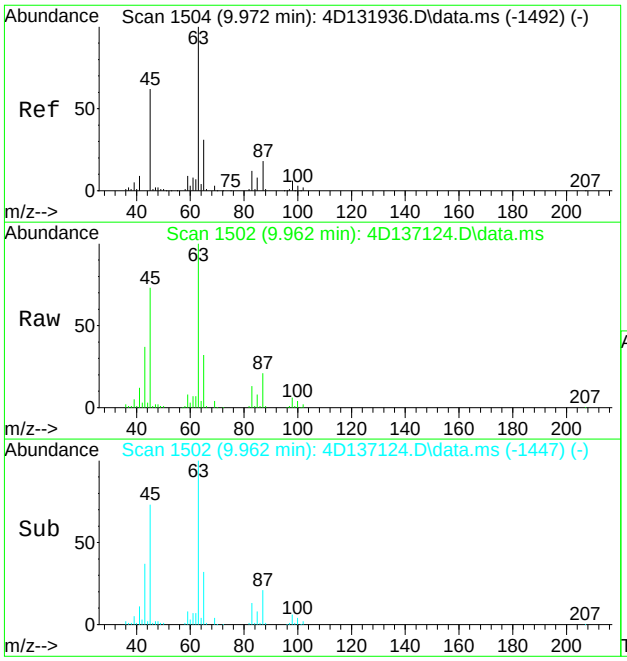


#27
2-butanone
Concen: 81.8766 ug/L
RT: 10.659 min Scan# 1635
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 72 Resp: 94818

Ion	Ratio	Lower	Upper
72	100		
57	30.6	3.7	63.7
43	504.8	475.8	535.8

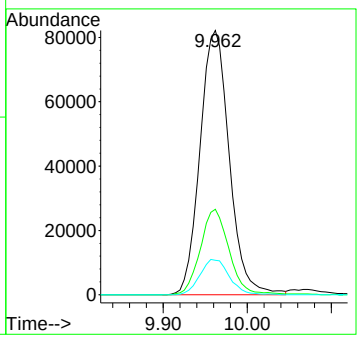


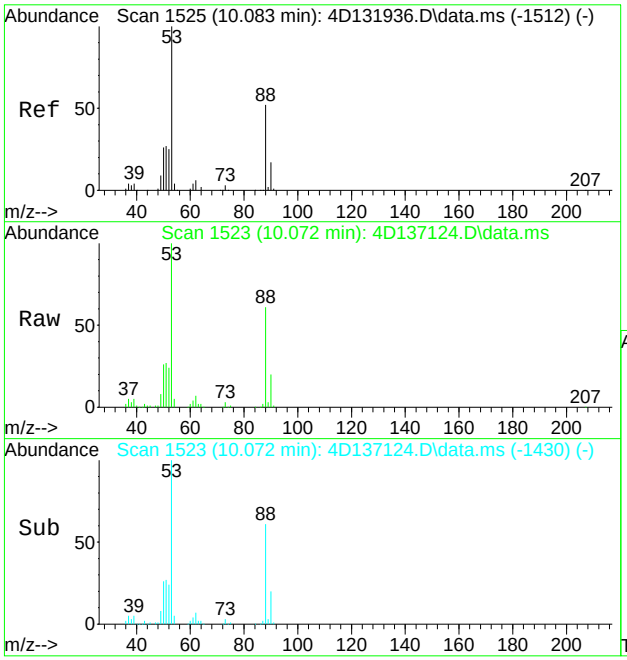


#28
1,1-dichloroethane
Concen: 20.2978 ug/L
RT: 9.962 min Scan# 1502
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 63 Resp: 199222

Ion	Ratio	Lower	Upper
63	100		
65	32.3	0.9	60.9
83	13.1	0.0	42.3

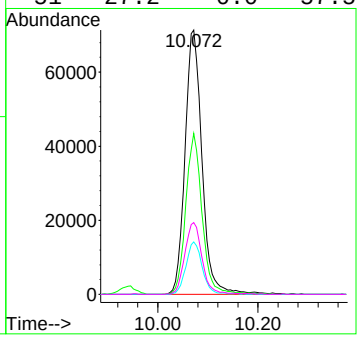


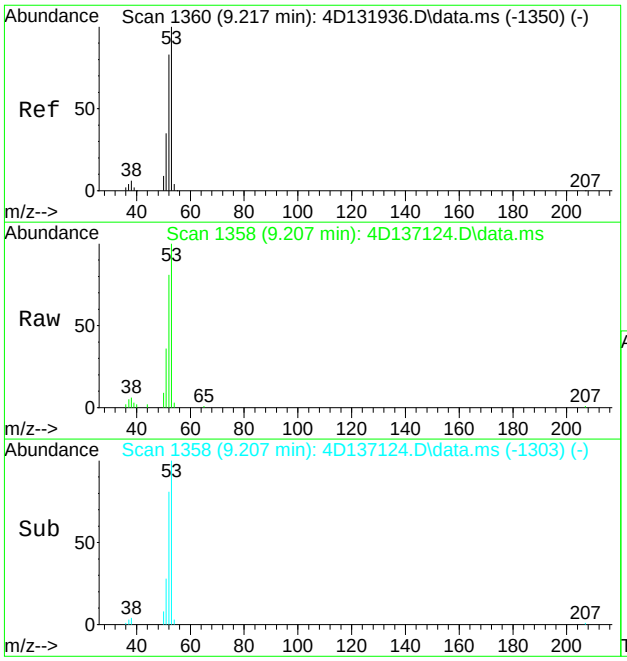


#29
chloroprene
Concen: 19.0032 ug/L
RT: 10.072 min Scan# 1523
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 53 Resp: 169016

Ion	Ratio	Lower	Upper
53	100		
88	60.8	21.8	81.8
90	19.9	0.0	47.2
51	27.2	0.0	57.5

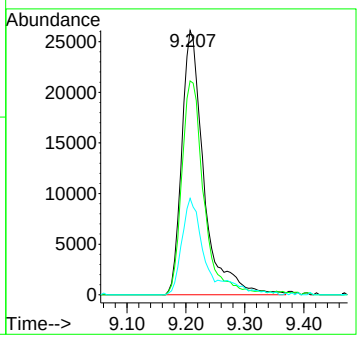


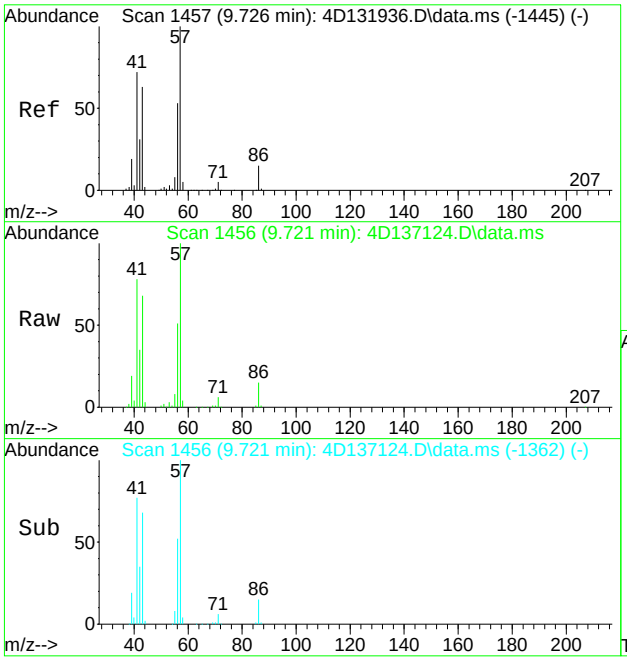


#30
acrylonitrile
Concen: 20.5857 ug/L
RT: 9.207 min Scan# 1358
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 53 Resp: 68587

Ion	Ratio	Lower	Upper
53	100		
52	80.8	53.4	113.4
51	36.5	5.0	65.0

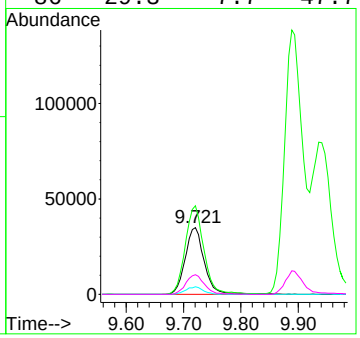


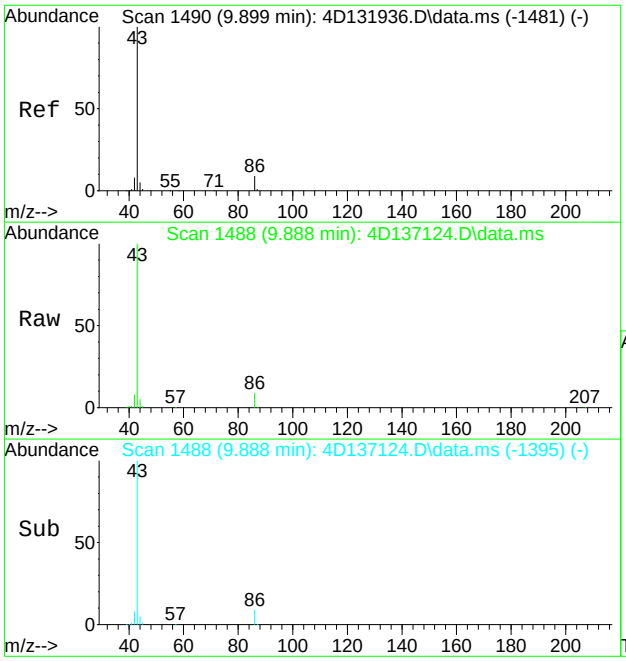


#31
hexane
Concen: 17.6570 ug/L
RT: 9.721 min Scan# 1456
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 56 Resp: 80703

Ion	Ratio	Lower	Upper
56	100		
43	132.6	98.5	138.5
71	11.6	0.0	30.3
86	29.3	7.7	47.7

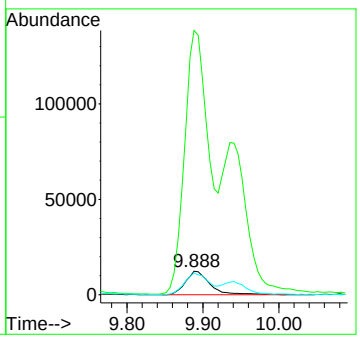


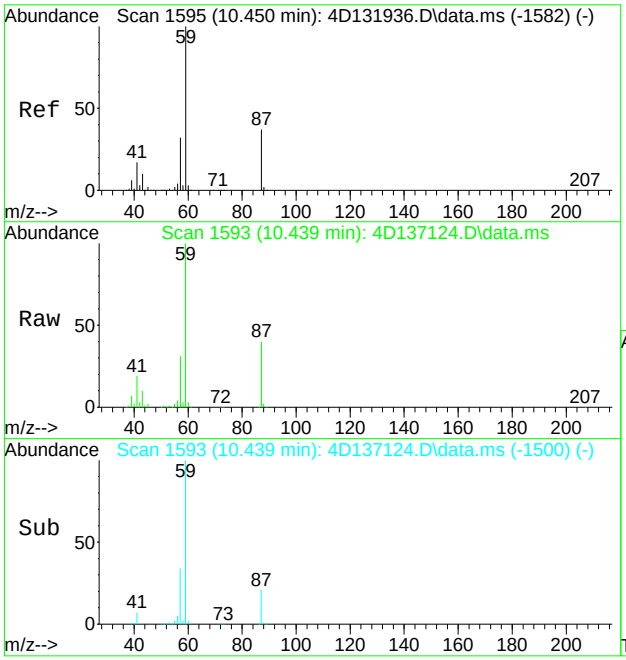


#32
vinyl acetate
Concen: 24.8727 ug/L
RT: 9.888 min Scan# 1488
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 86 Resp: 27766

Ion	Ratio	Lower	Upper
86	100		
43	1111.4	1142.7	1202.7#
42	92.6	69.4	129.4

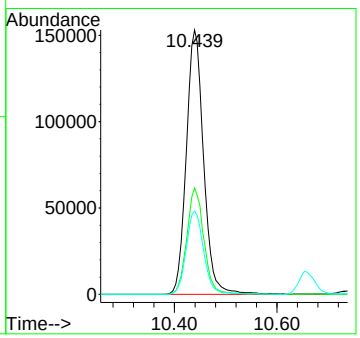


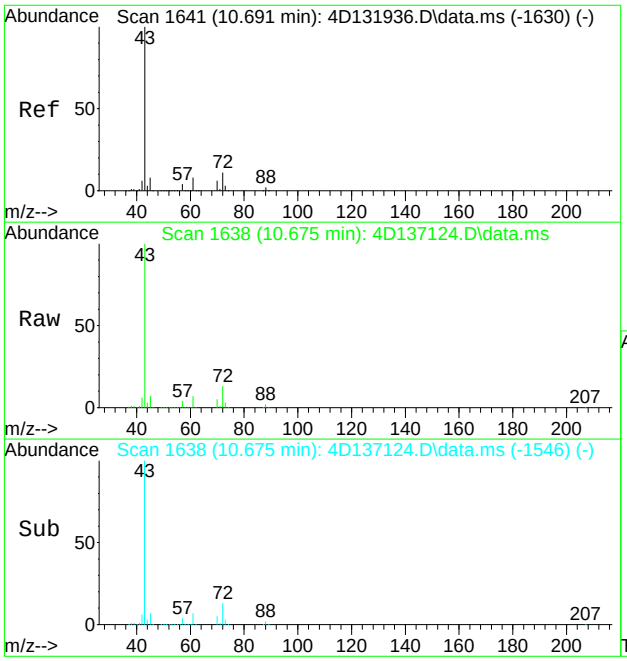


#33
ethyl tert-butyl ether
Concen: 18.9224 ug/L
RT: 10.439 min Scan# 1593
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 59 Resp: 359583

Ion	Ratio	Lower	Upper
59	100		
87	40.3	6.6	66.6
57	31.4	2.2	62.2

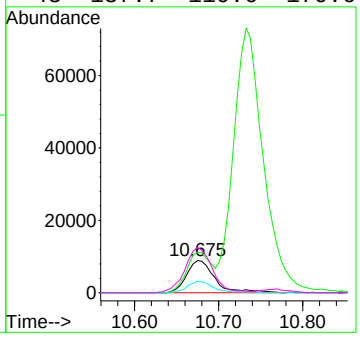


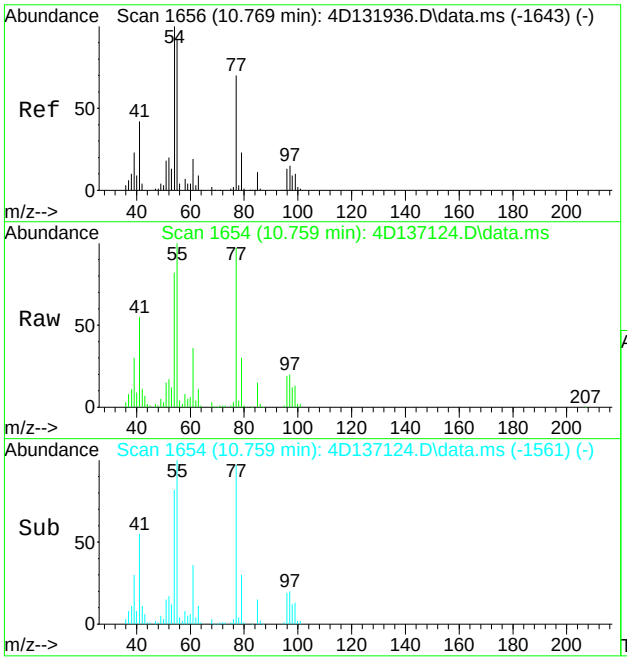


#34
ethyl acetate
Concen: 18.8963 ug/L
RT: 10.675 min Scan# 1638
Delta R.T. -0.016 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 70 Resp: 20811

Ion	Ratio	Lower	Upper
70	100		
61	125.7	108.4	168.4
88	35.7	5.9	65.9
45	137.7	110.6	170.6

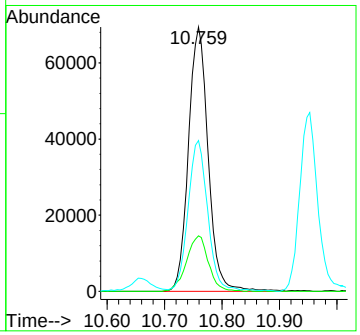


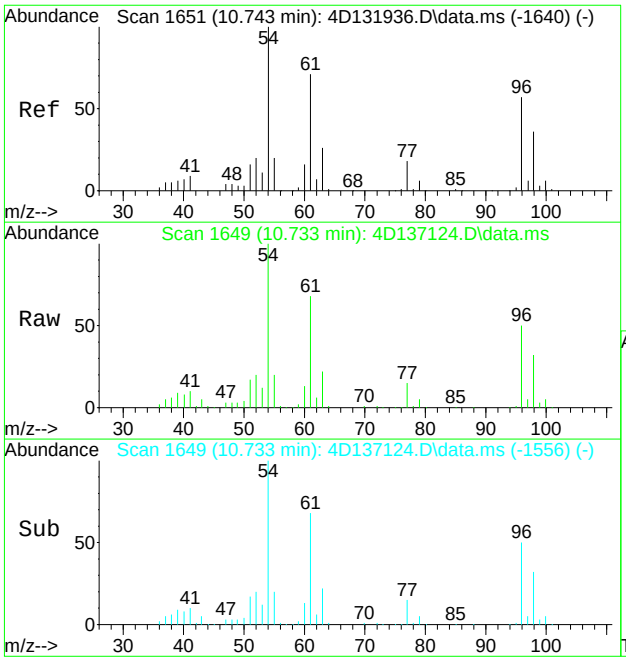


#35
2,2-dichloropropane
Concen: 21.5063 ug/L
RT: 10.759 min Scan# 1654
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 77 Resp: 165406

Ion	Ratio	Lower	Upper
77	100		
97	21.0	0.0	51.9
41	56.2	29.6	89.6

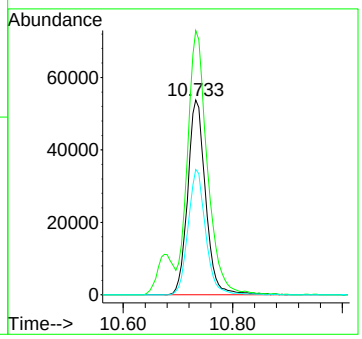


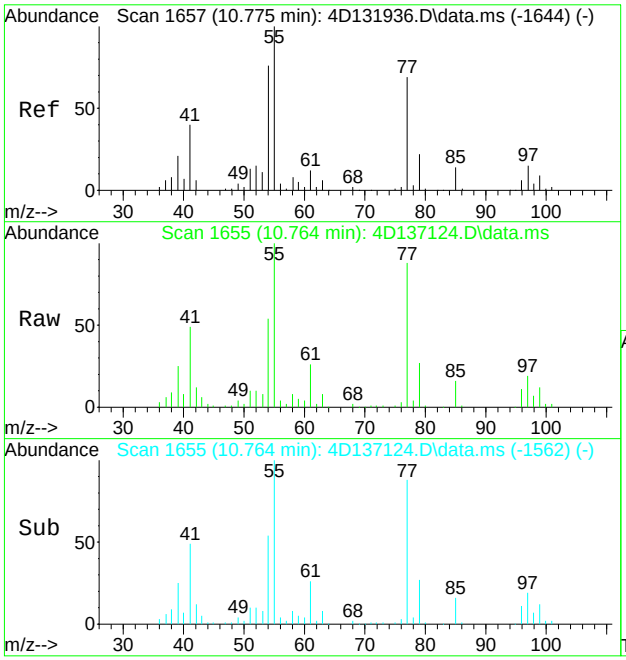


#36
cis-1,2-dichloroethene
Concen: 21.5597 ug/L
RT: 10.733 min Scan# 1649
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 96 Resp: 122081

Ion	Ratio	Lower	Upper
96	100		
61	135.4	119.6	179.6
98	64.3	34.3	94.3

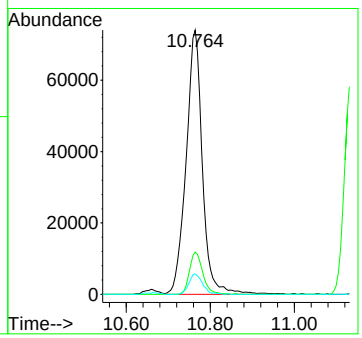


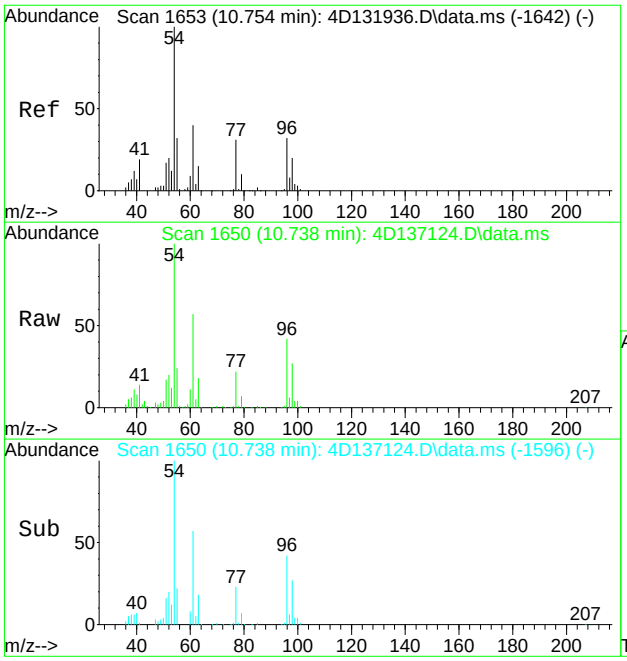


#37
methyl acrylate
Concen: 19.6918 ug/L
RT: 10.764 min Scan# 1655
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 55 Resp: 199637

Ion	Ratio	Lower	Upper
55	100		
85	16.0	0.0	43.7
58	7.7	0.0	38.0

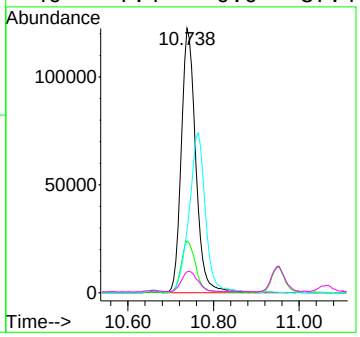


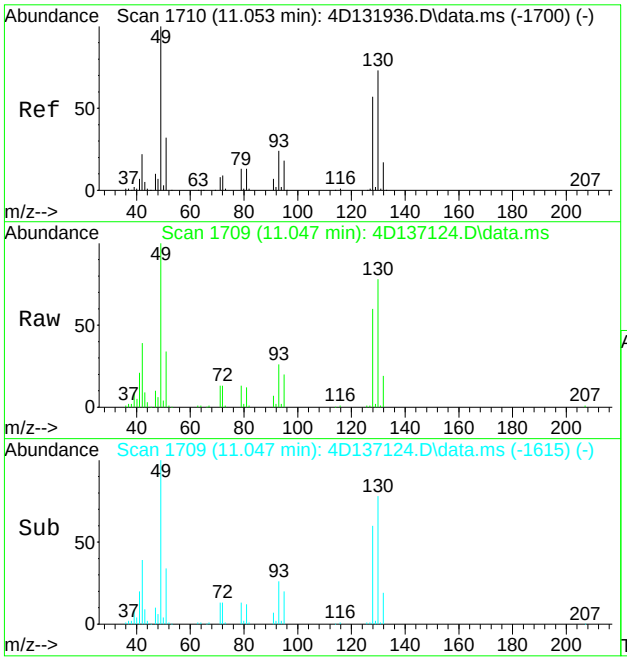


#38
propionitrile
Concen: 195.6889 ug/L
RT: 10.738 min Scan# 1650
Delta R.T. -0.016 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 54 Resp: 289503

Ion	Ratio	Lower	Upper
54	100		
52	19.5	0.0	49.8
55	23.7	2.6	62.6
40	7.4	0.0	37.4

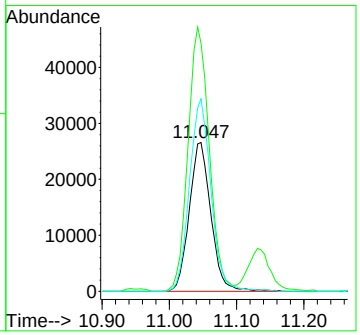


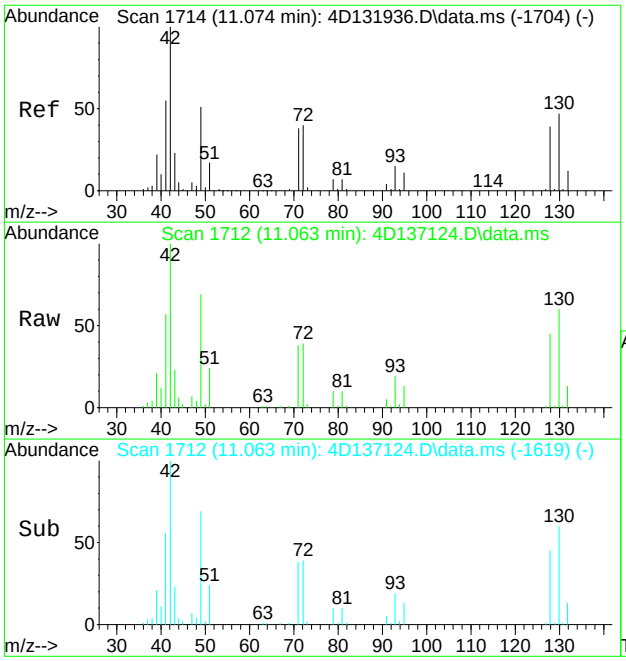


#39
bromochloromethane
Concen: 21.0091 ug/L
RT: 11.047 min Scan# 1709
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:128 Resp: 59464

Ion	Ratio	Lower	Upper
128	100		
49	166.5	145.9	205.9
130	129.2	97.8	157.8

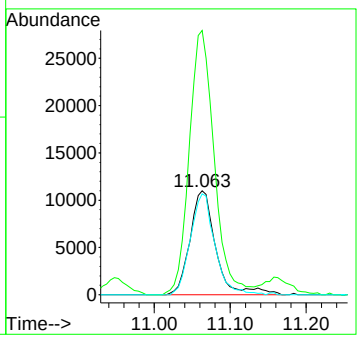


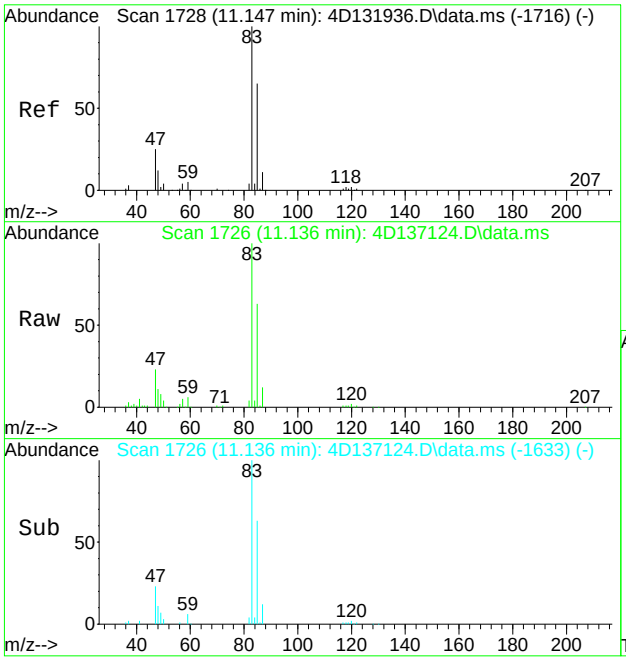


#40
tetrahydrofuran
Concen: 21.6885 ug/L
RT: 11.063 min Scan# 1712
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 72 Resp: 25958

Ion	Ratio	Lower	Upper
72	100		
42	254.6	219.9	279.9
71	97.1	66.1	126.1

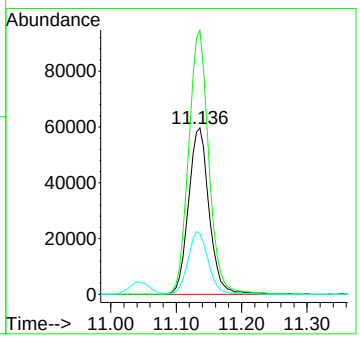


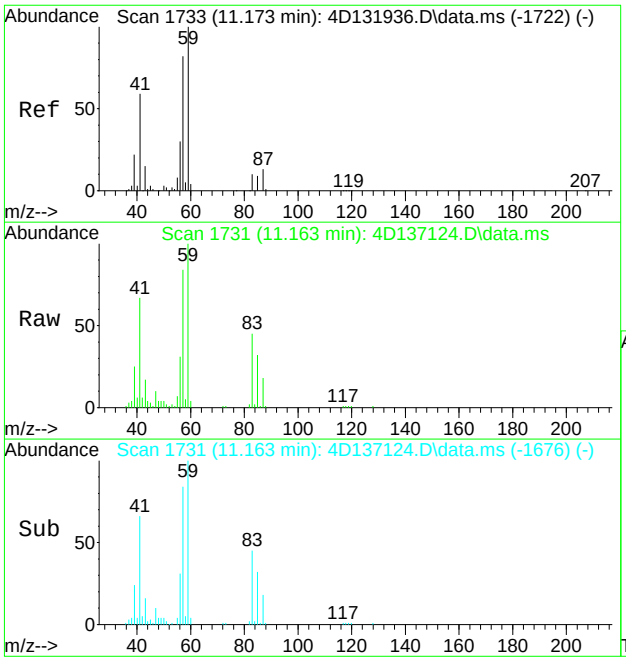


#41
chloroform
Concen: 22.7403 ug/L
RT: 11.136 min Scan# 1726
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 85 Resp: 130619

Ion	Ratio	Lower	Upper
85	100		
83	158.8	123.5	183.5
47	36.5	9.8	69.8

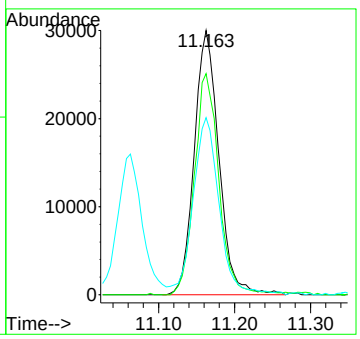


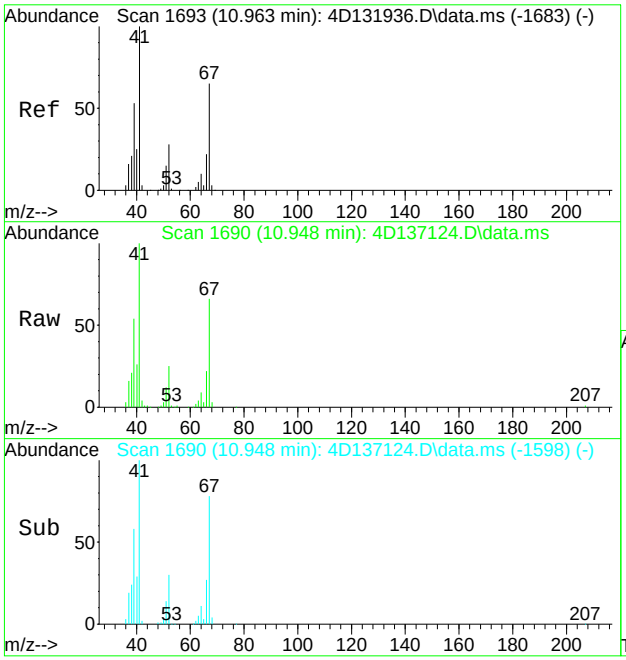


#42
t-butyl formate
Concen: 27.2794 ug/L
RT: 11.163 min Scan# 1731
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 59 Resp: 67568

Ion	Ratio	Lower	Upper
59	100		
57	83.6	51.8	111.8
41	67.0	32.4	92.4

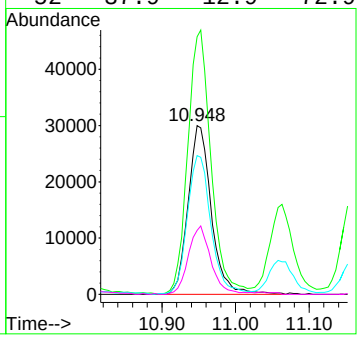


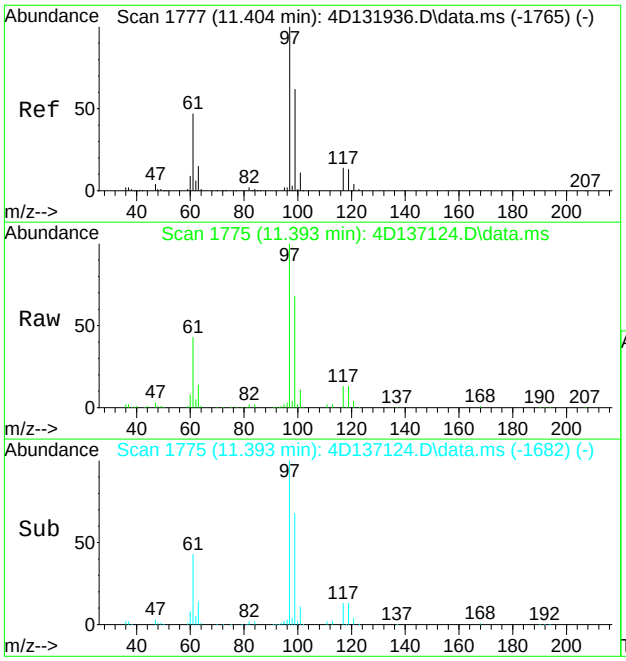


#44
methacrylonitrile
Concen: 20.6600 ug/L
RT: 10.948 min Scan# 1690
Delta R.T. -0.016 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 67 Resp: 65917

Ion	Ratio	Lower	Upper
67	100		
41	152.5	123.0	183.0
39	81.6	50.9	110.9
52	37.9	12.9	72.9

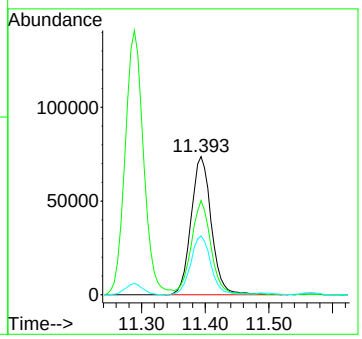


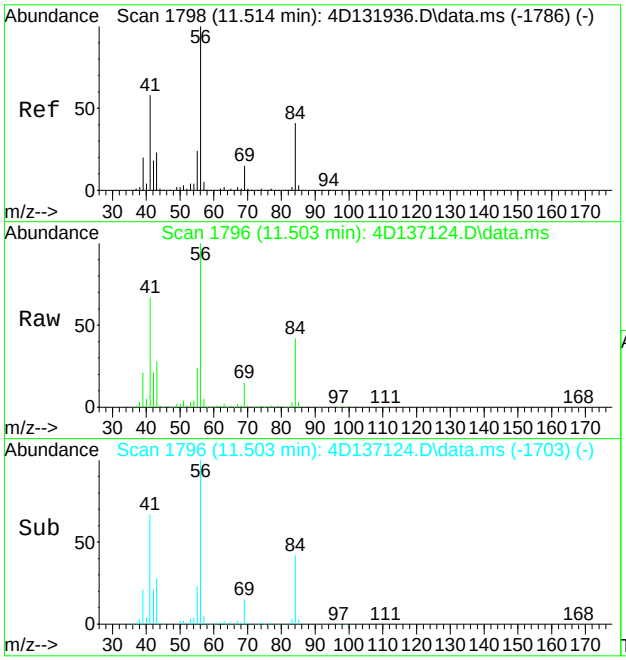


#45
1,1,1-trichloroethane
Concen: 20.9746 ug/L
RT: 11.393 min Scan# 1775
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 97 Resp: 163529

Ion	Ratio	Lower	Upper
97	100		
99	68.0	34.4	94.4
61	42.5	16.6	76.6

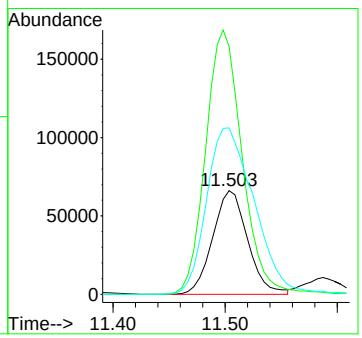


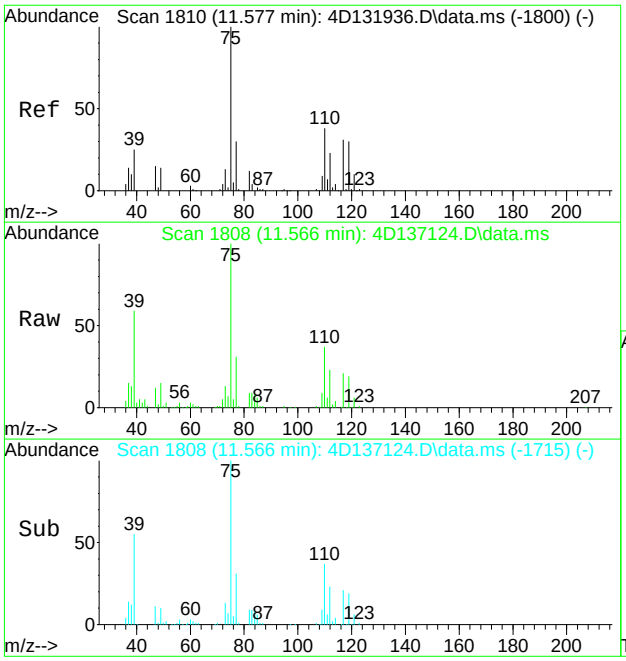


#46
cyclohexane
Concen: 20.5177 ug/L
RT: 11.503 min Scan# 1796
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 84 Resp: 144139

Ion	Ratio	Lower	Upper
84	100		
56	238.6	225.3	265.3
41	160.1	121.5	161.5

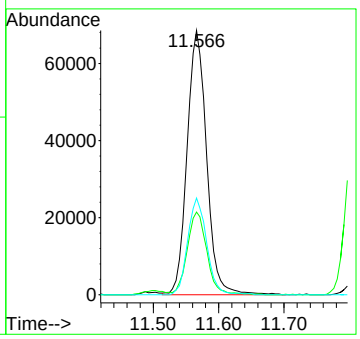


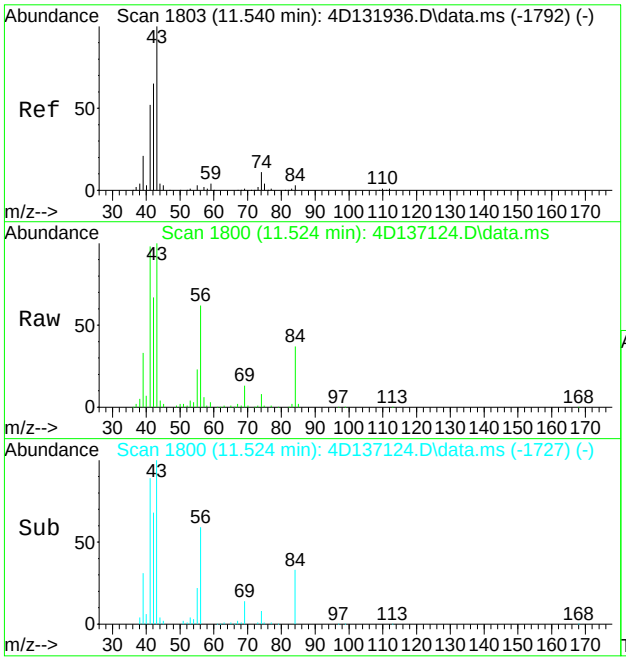


#47
1,1-dichloropropene
Concen: 21.7269 ug/L
RT: 11.566 min Scan# 1808
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 75 Resp: 142543

Ion	Ratio	Lower	Upper
75	100		
77	31.1	11.0	51.0
110	36.5	17.6	57.6

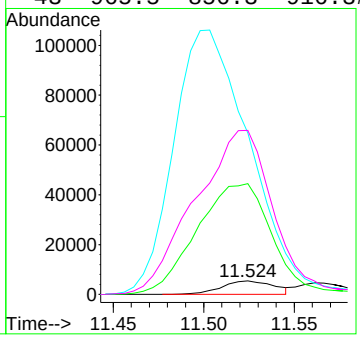


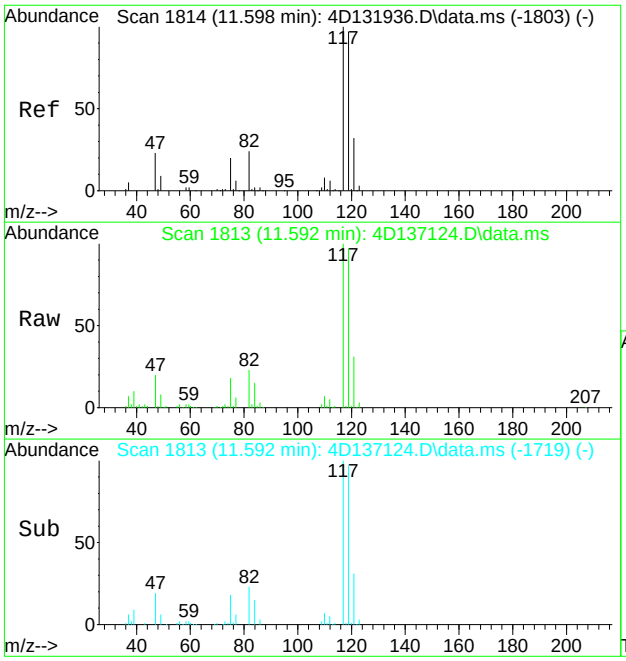


#48
isobutyl alcohol
Concen: 182.9286 ug/L
RT: 11.524 min Scan# 1800
Delta R.T. -0.016 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 74 Resp: 11056

Ion	Ratio	Lower	Upper
74	100		
42	725.0	546.1	606.1#
41	892.1	593.5	653.5#
43	965.5	856.3	916.3#

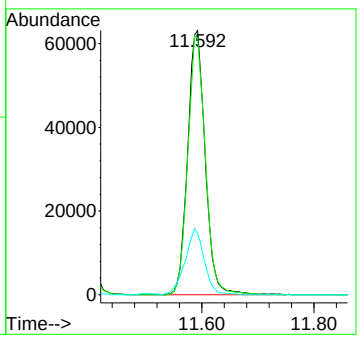


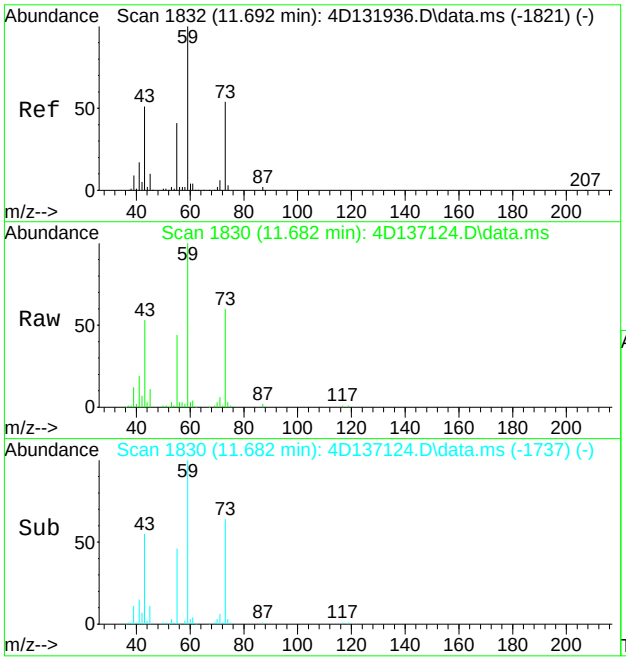


#49
carbon tetrachloride
Concen: 20.4793 ug/L
RT: 11.592 min Scan# 1813
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:117 Resp: 137468

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.2	117.2
82	23.1	4.2	44.2

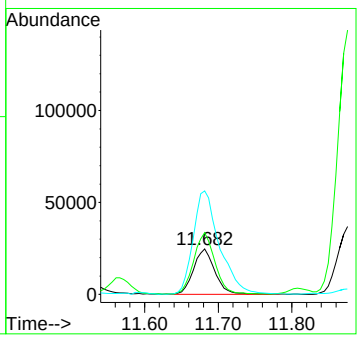


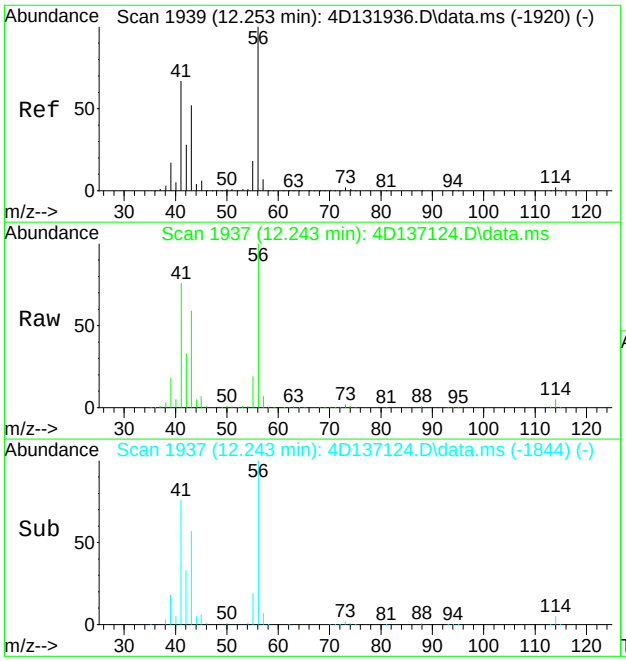


#50
tert amyl alcohol
Concen: 88.1460 ug/L
RT: 11.682 min Scan# 1830
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 55 Resp: 50025

Ion	Ratio	Lower	Upper
55	100		
73	135.5	100.3	160.3
59	227.4	213.3	273.3

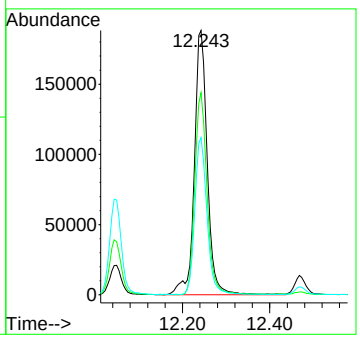


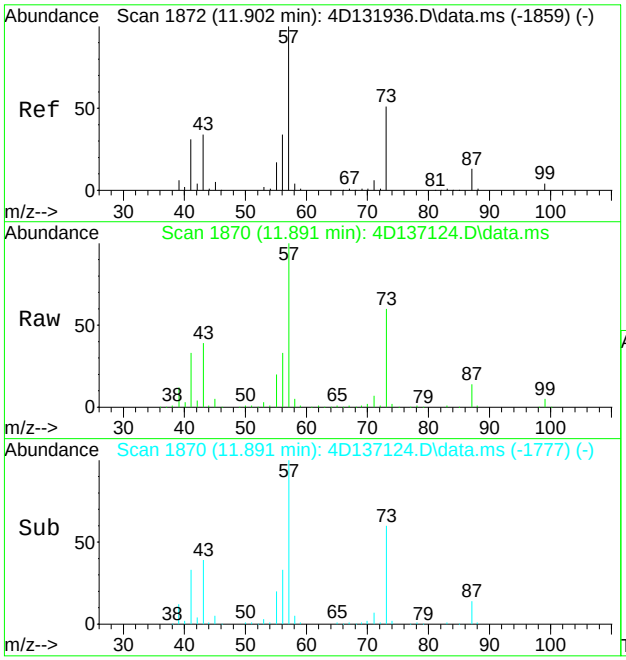


#53
n-butyl alcohol
Concen: 870.9097 ug/L
RT: 12.243 min Scan# 1937
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 56 Resp: 387728

Ion	Ratio	Lower	Upper
56	100		
41	76.3	36.6	96.6
43	59.3	22.4	82.4

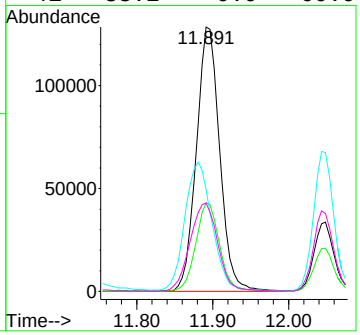


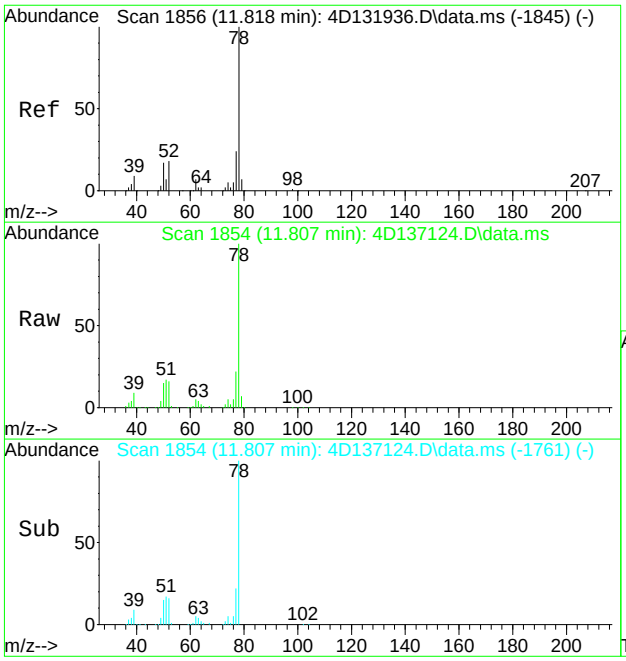


#54
2,2,4-trimethylpentane
Concen: 18.2197 ug/L
RT: 11.891 min Scan# 1870
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 57 Resp: 274569

Ion	Ratio	Lower	Upper
57	100		
56	33.5	3.6	63.6
43	38.3	4.6	64.6
41	33.2	0.9	60.9

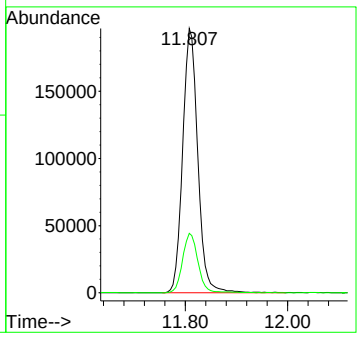


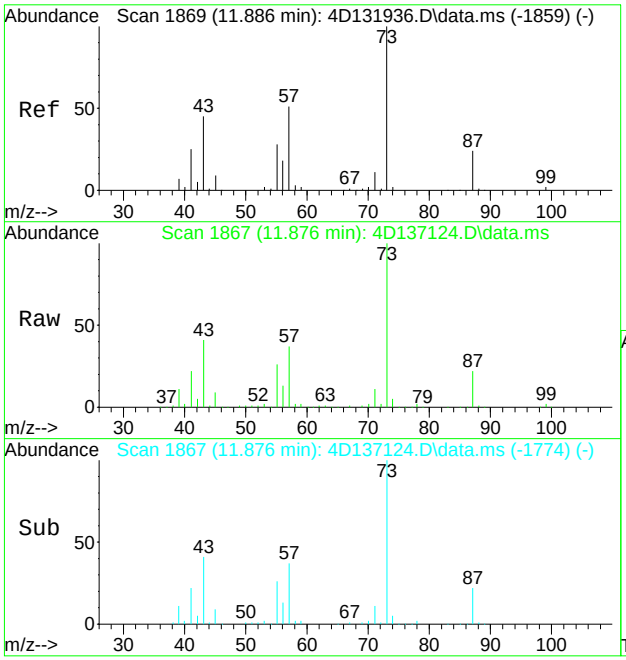


#55
benzene
Concen: 20.3588 ug/L
RT: 11.807 min Scan# 1854
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 78 Resp: 402845

Ion	Ratio	Lower	Upper
78	100		
77	22.5	0.0	53.7

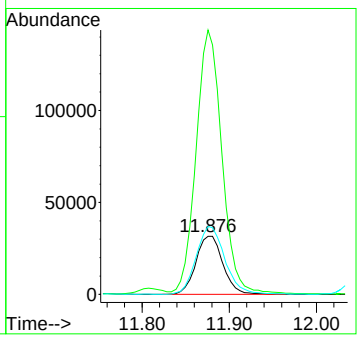


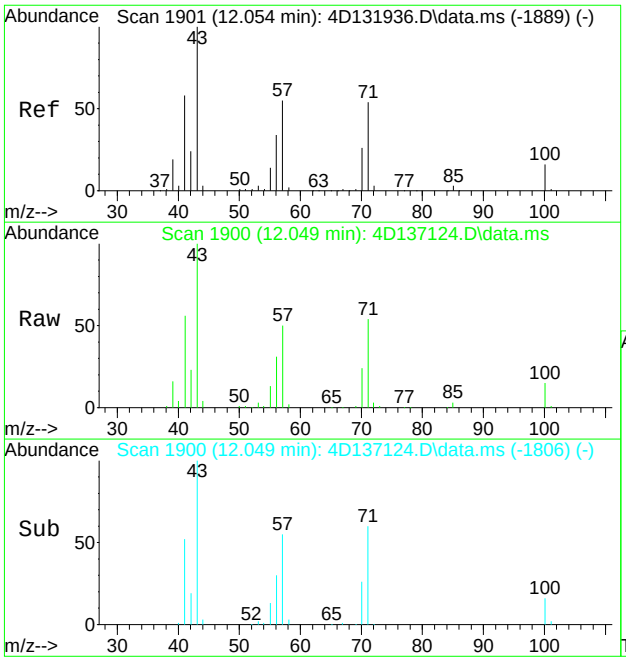


#56
tert-amyl methyl ether
Concen: 18.0698 ug/L
RT: 11.876 min Scan# 1867
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 87 Resp: 68257

Ion	Ratio	Lower	Upper
87	100		
73	452.7	382.6	442.6#
55	117.0	85.4	145.4

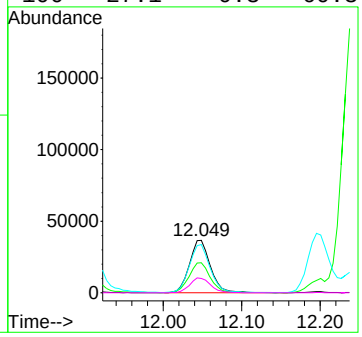


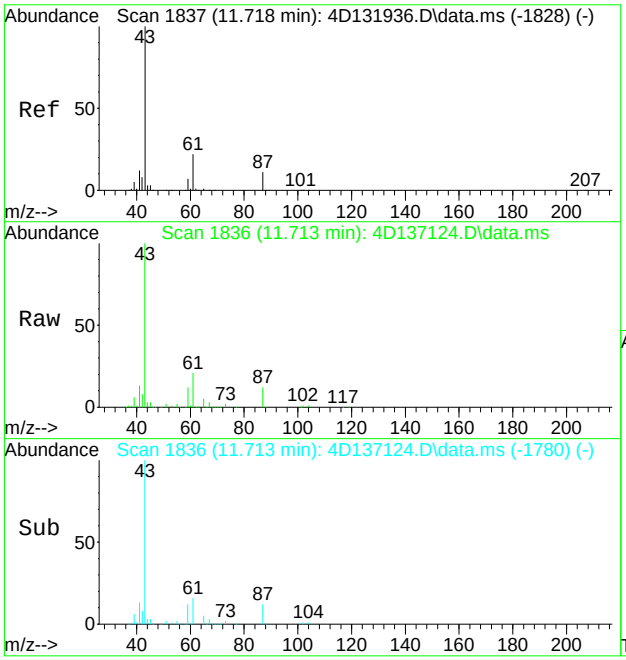


#57
heptane
Concen: 20.8063 ug/L
RT: 12.049 min Scan# 1900
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 71 Resp: 68285

Ion	Ratio	Lower	Upper
71	100		
56	57.3	33.0	93.0
57	90.9	72.2	132.2
100	27.1	0.3	60.3

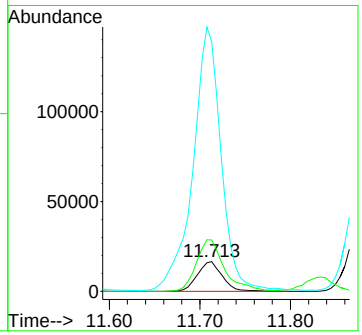


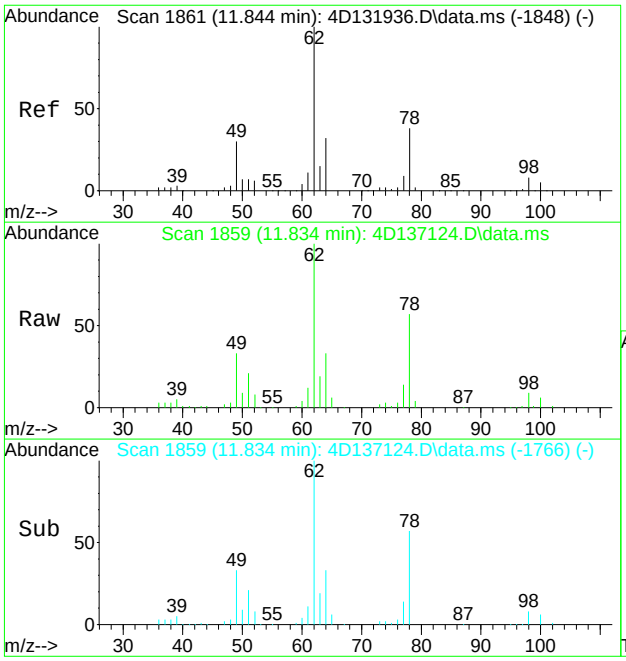


#58
isopropyl acetate
Concen: 20.9611 ug/L
RT: 11.713 min Scan# 1836
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 87 Resp: 31563

Ion	Ratio	Lower	Upper
87	100		
61	172.5	170.1	230.1
43	832.6	919.0	979.0#

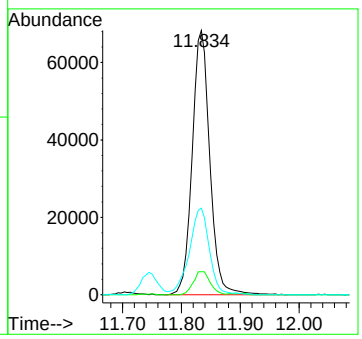


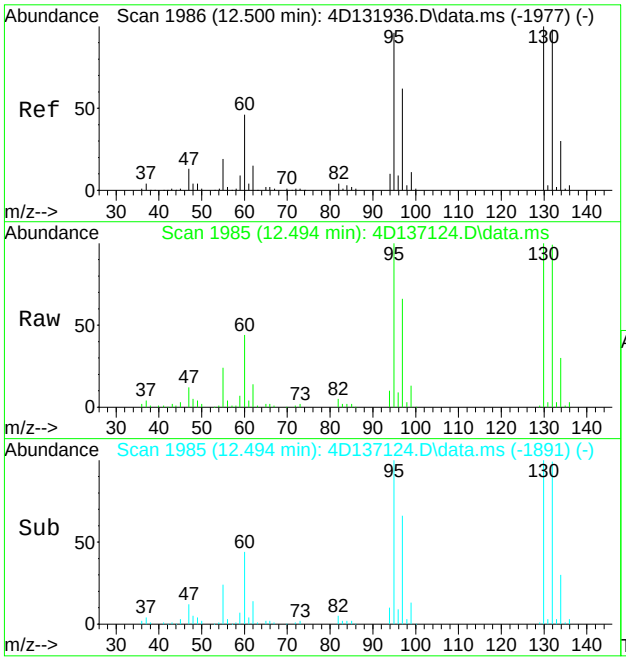


#59
1,2-dichloroethane
Concen: 17.3532 ug/L
RT: 11.834 min Scan# 1859
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 62 Resp: 142423

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	38.5
49	32.7	1.1	61.1

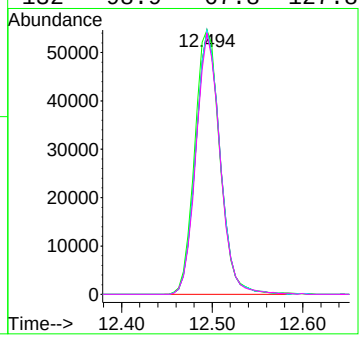


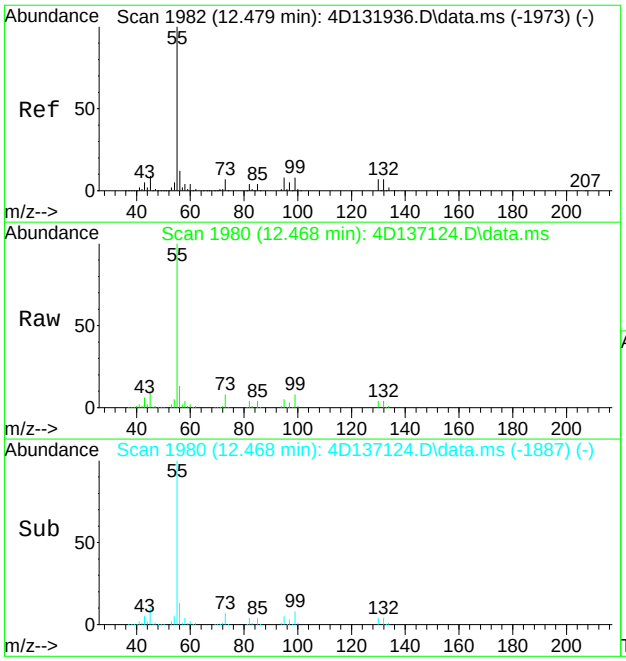


#60
trichloroethene
Concen: 18.5483 ug/L
RT: 12.494 min Scan# 1985
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:130 Resp: 101548

Ion	Ratio	Lower	Upper
130	100		
95	100.2	65.8	125.8
130	100.0	70.0	130.0
132	98.9	67.8	127.8

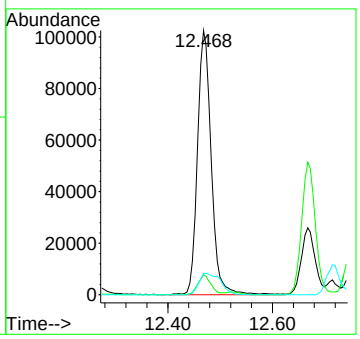


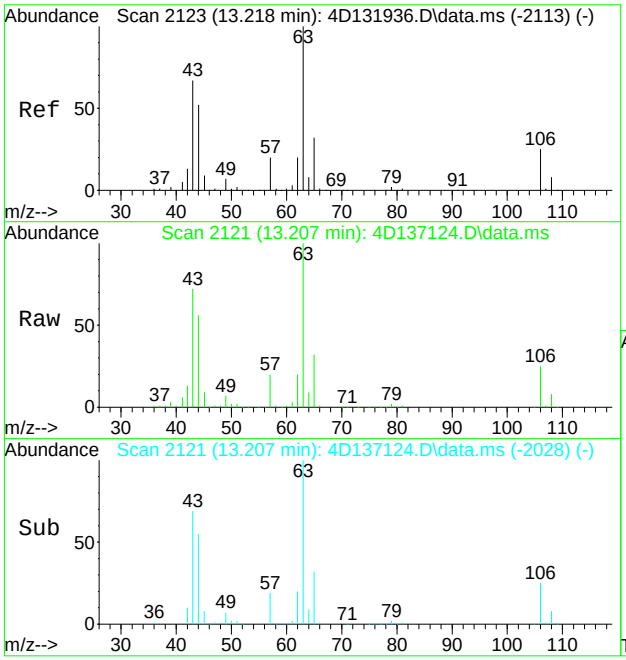


#61
ethyl acrylate
Concen: 17.8366 ug/L
RT: 12.468 min Scan# 1980
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 55 Resp: 187678

Ion	Ratio	Lower	Upper
55	100		
73	7.6	0.0	26.5
99	8.1	0.0	27.5

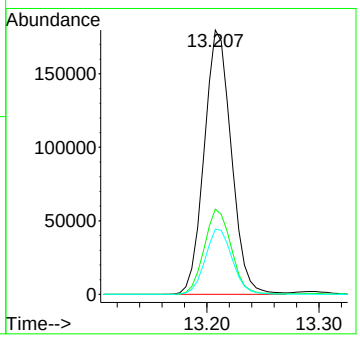


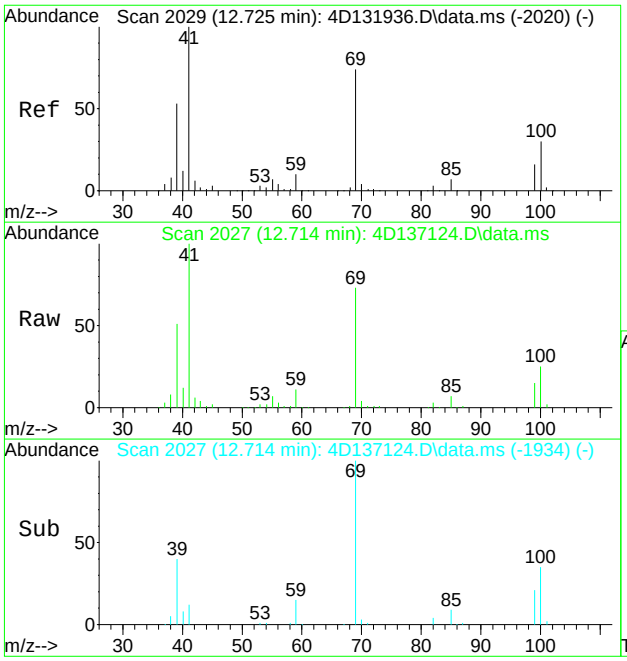


#63
2-chloroethyl vinyl ether
Concen: 99.2484 ug/L
RT: 13.207 min Scan# 2121
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 63 Resp: 302394

Ion	Ratio	Lower	Upper
63	100		
65	32.2	1.7	61.7
106	24.7	0.0	55.3

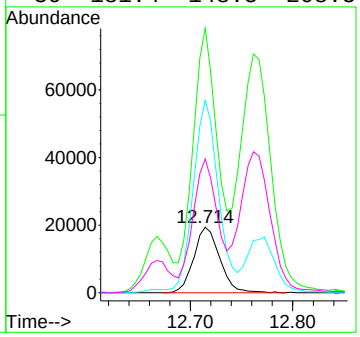


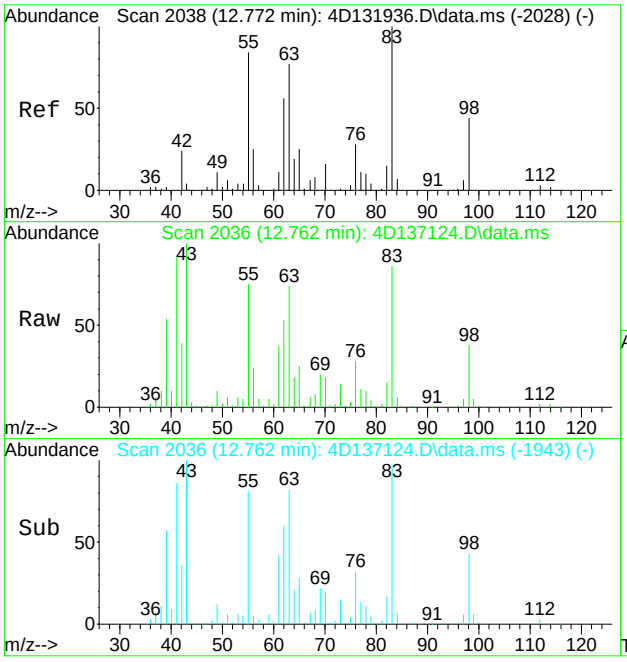


#64
methyl methacrylate
Concen: 18.1689 ug/L
RT: 12.714 min Scan# 2027
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:100 Resp: 34300

Ion	Ratio	Lower	Upper
100	100		
41	362.9	304.3	364.3
69	288.8	217.8	277.8#
39	181.4	148.5	208.5

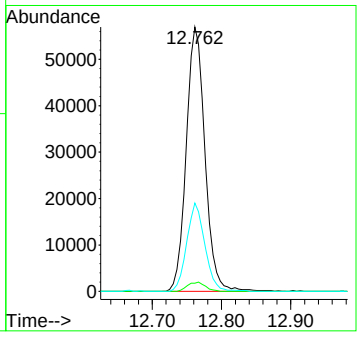


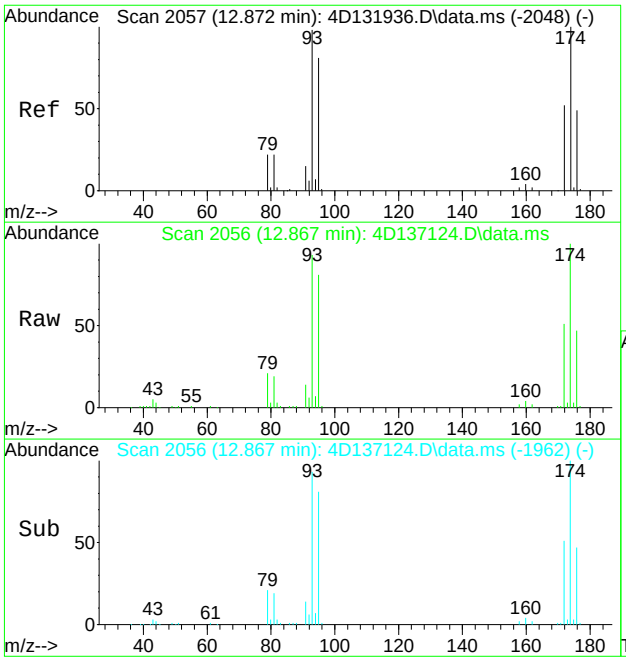


#65
1,2-dichloropropane
Concen: 18.9188 ug/L
RT: 12.762 min Scan# 2036
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 63 Resp: 107039

Ion	Ratio	Lower	Upper
63	100		
112	3.1	0.0	33.7
65	33.4	1.9	61.9

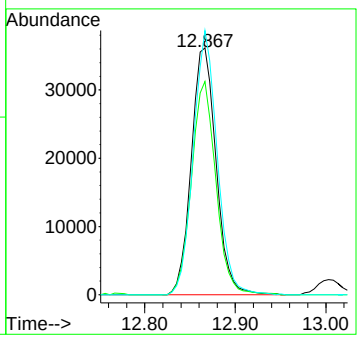


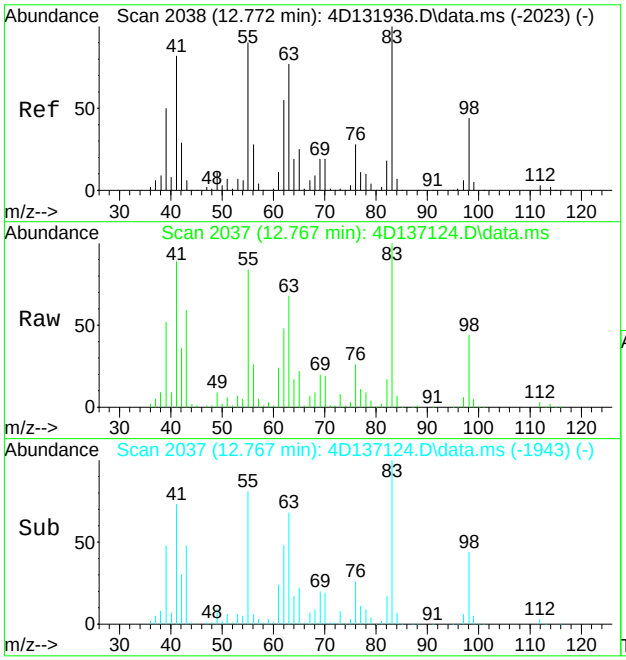


#66
dibromomethane
Concen: 19.3652 ug/L
RT: 12.867 min Scan# 2056
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 93 Resp: 69012

Ion	Ratio	Lower	Upper
93	100		
95	86.4	52.6	112.6
174	107.0	72.4	132.4

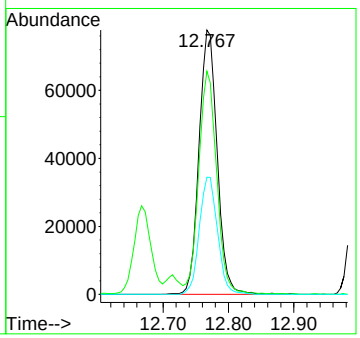


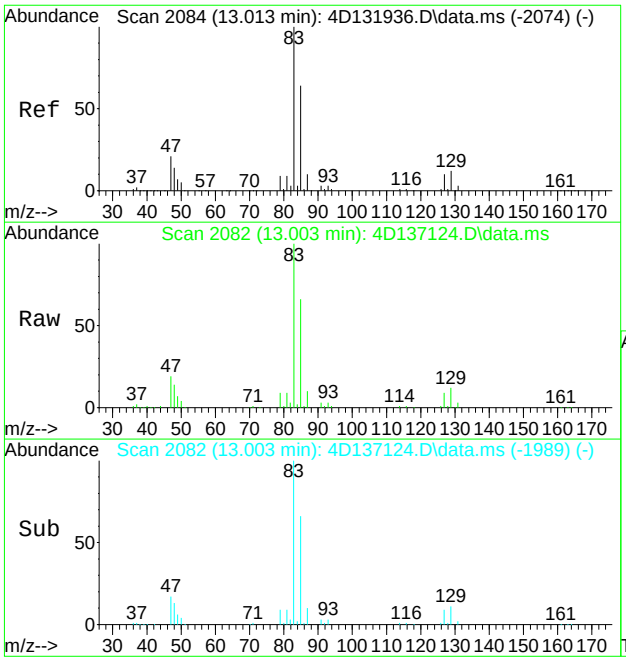


#67
methylcyclohexane
Concen: 19.1889 ug/L
RT: 12.767 min Scan# 2037
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 83 Resp: 149892

Ion	Ratio	Lower	Upper
83	100		
55	84.1	60.5	120.5
98	44.3	14.1	74.1

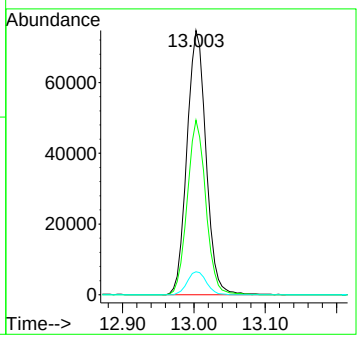


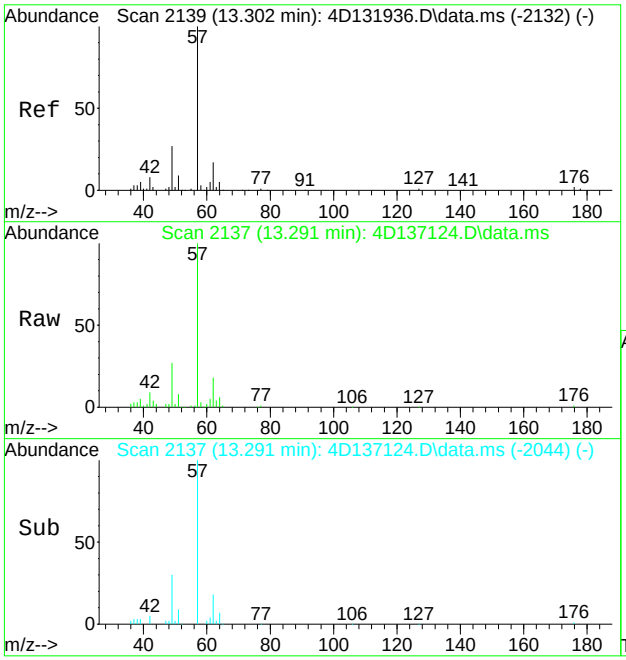


#68
bromodichloromethane
Concen: 19.0492 ug/L
RT: 13.003 min Scan# 2082
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 83 Resp: 138755

Ion	Ratio	Lower	Upper
83	100		
85	66.0	34.4	94.4
127	8.7	0.0	39.7

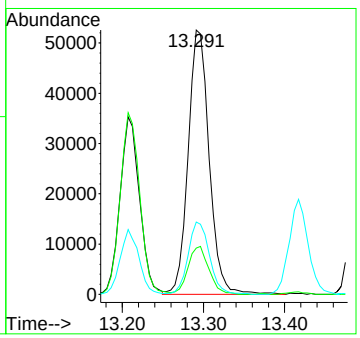


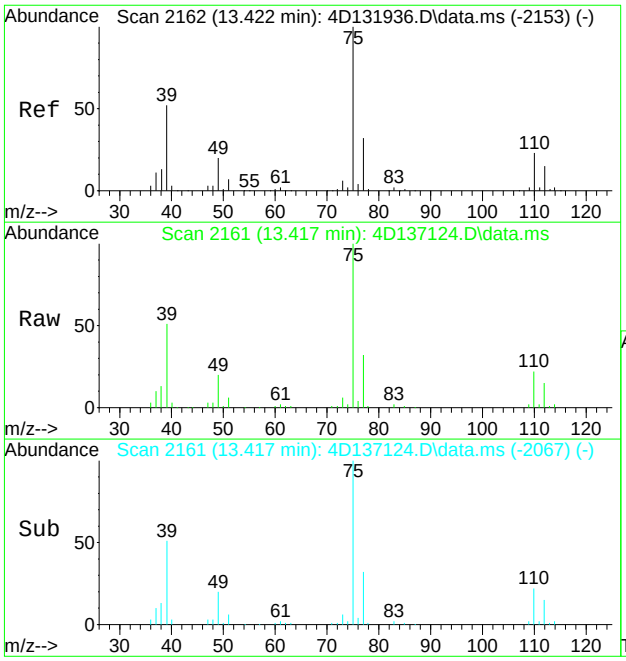


#69
epichlorohydrin
Concen: 87.9404 ug/L
RT: 13.291 min Scan# 2137
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 57 Resp: 94910

Ion	Ratio	Lower	Upper
57	100		
62	17.1	0.0	37.4
49	27.0	6.8	46.8

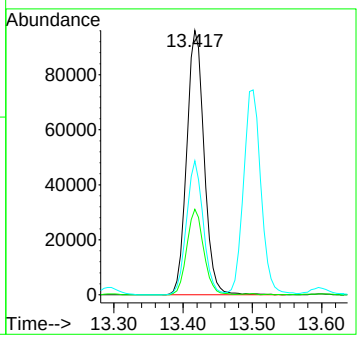


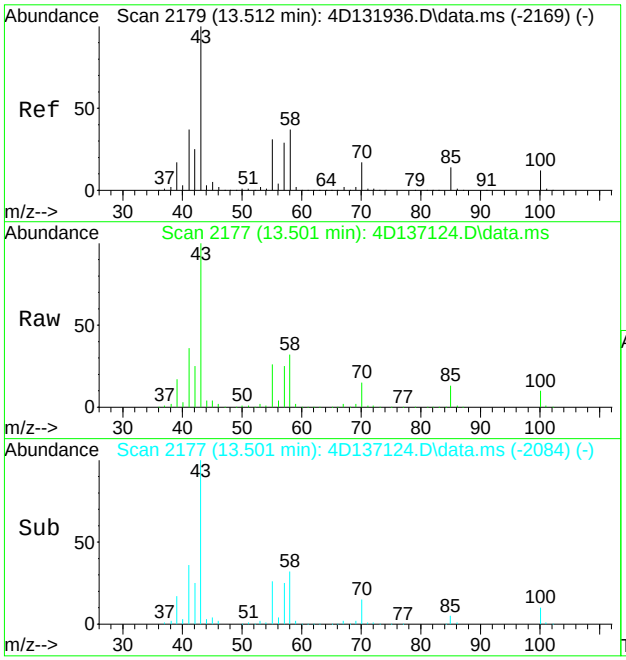


#70
cis-1,3-dichloropropene
Concen: 19.3151 ug/L
RT: 13.417 min Scan# 2161
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 75 Resp: 167375

Ion	Ratio	Lower	Upper
75	100		
77	32.4	1.9	61.9
39	50.7	22.1	82.1

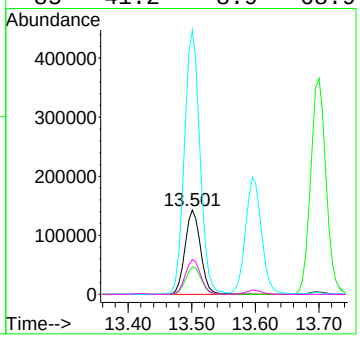


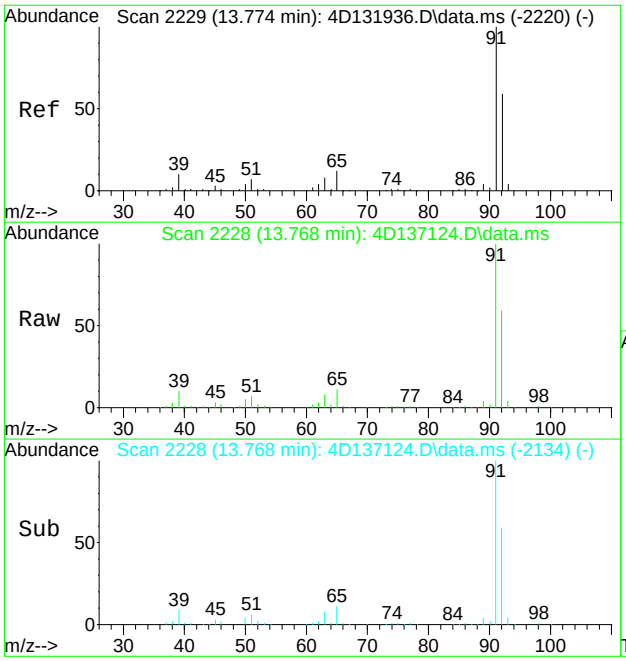


#71
4-methyl-2-pentanone
Concen: 70.9102 ug/L
RT: 13.501 min Scan# 2177
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 58 Resp: 241430

Ion	Ratio	Lower	Upper
58	100		
100	32.6	2.6	62.6
43	313.5	244.0	304.0#
85	41.2	8.9	68.9

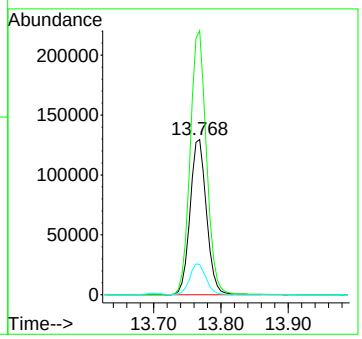


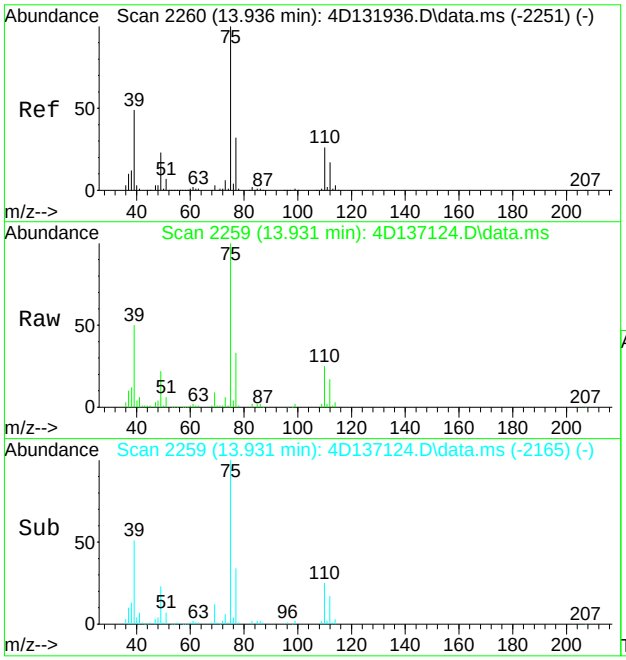


#75
toluene
Concen: 18.9178 ug/L
RT: 13.768 min Scan# 2228
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 92 Resp: 219845

Ion	Ratio	Lower	Upper
92	100		
91	170.4	150.1	190.1
65	19.6	0.0	39.8

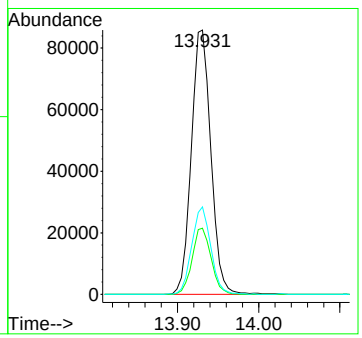


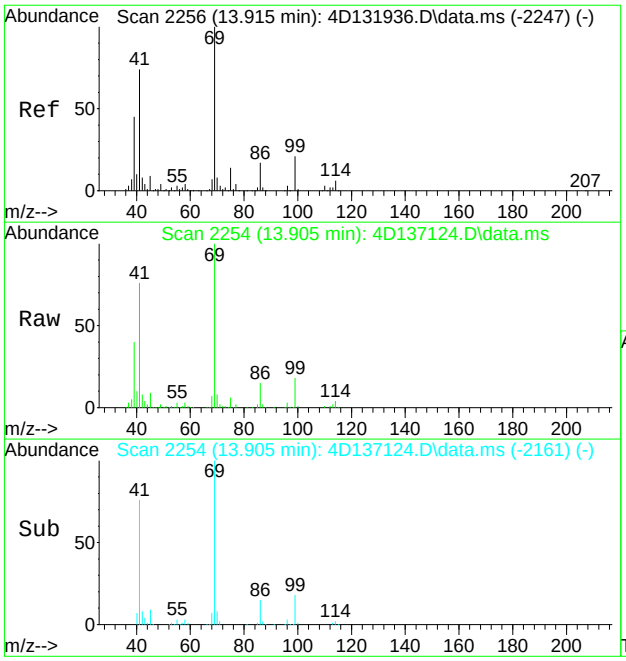


#76
trans-1,3-dichloropropene
Concen: 18.7794 ug/L
RT: 13.931 min Scan# 2259
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 75 Resp: 143903

Ion	Ratio	Lower	Upper
75	100		
110	25.1	5.6	45.6
77	33.0	12.5	52.5

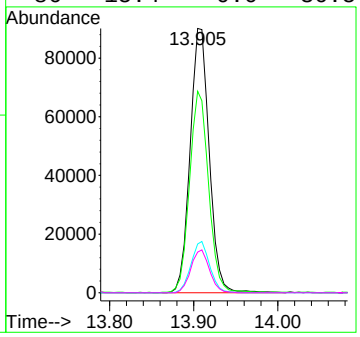


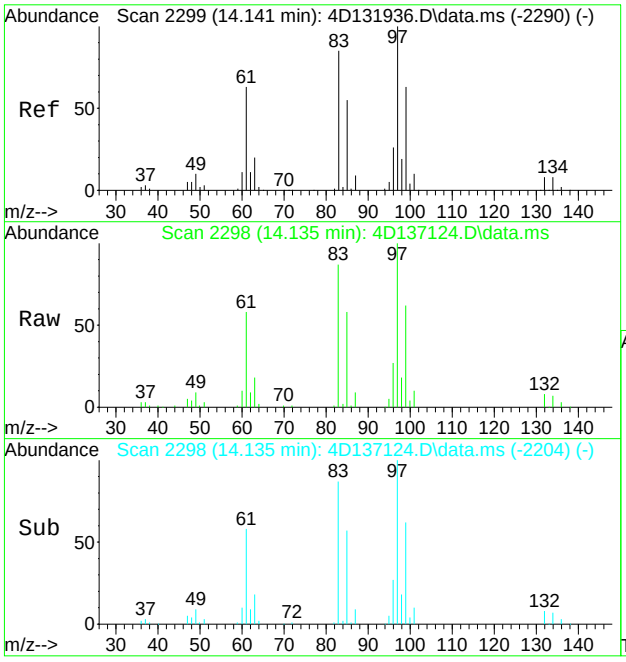


#77
ethyl methacrylate
Concen: 18.8723 ug/L
RT: 13.905 min Scan# 2254
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 69 Resp: 142427

Ion	Ratio	Lower	Upper
69	100		
41	76.0	53.7	93.7
99	18.4	0.5	40.5
86	15.4	0.0	36.5

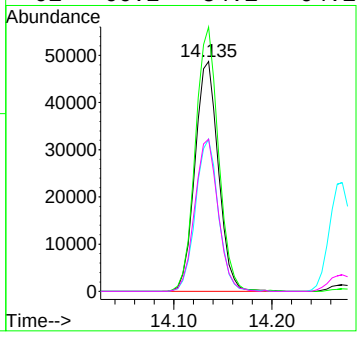


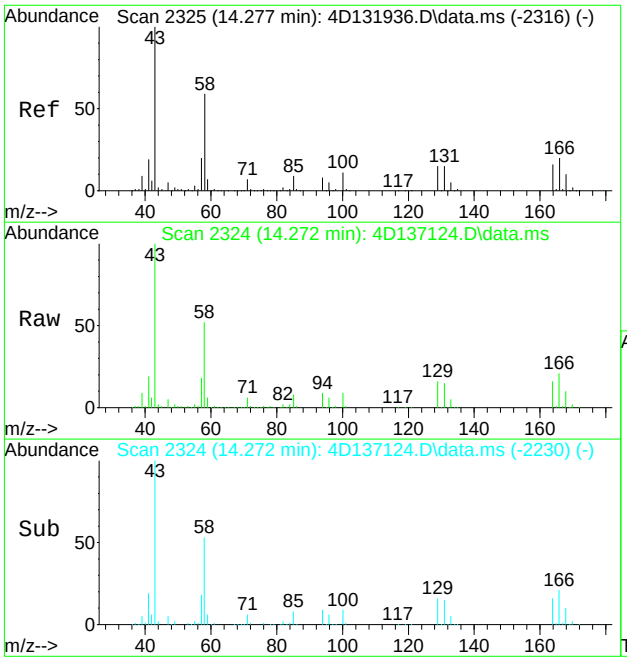


#78
1,1,2-trichloroethane
Concen: 19.5104 ug/L
RT: 14.135 min Scan# 2298
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 83 Resp: 80767

Ion	Ratio	Lower	Upper
83	100		
97	115.1	98.0	138.0
85	66.3	44.8	84.8
61	66.2	54.1	94.1

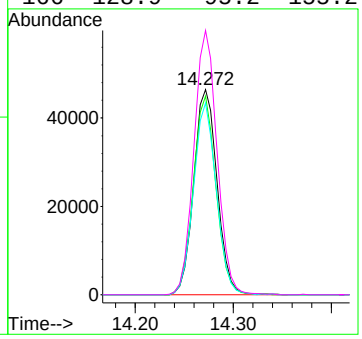


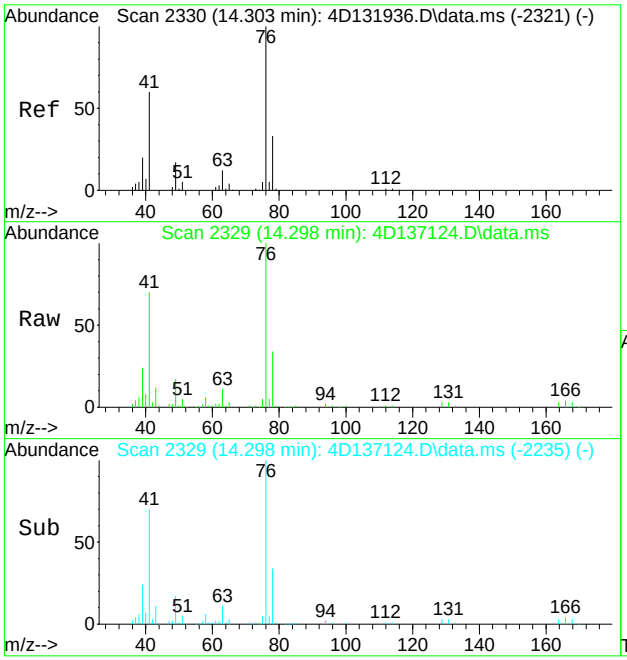


#79
tetrachloroethene
Concen: 19.0137 ug/L
RT: 14.272 min Scan# 2324
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:164 Resp: 76796

Ion	Ratio	Lower	Upper
164	100		
129	96.9	63.3	123.3
131	93.5	59.8	119.8
166	128.9	95.2	155.2

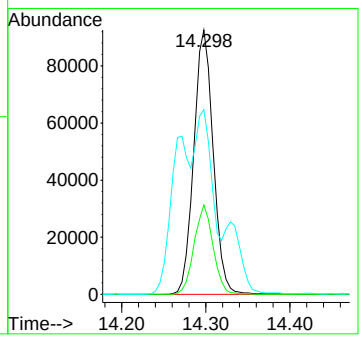


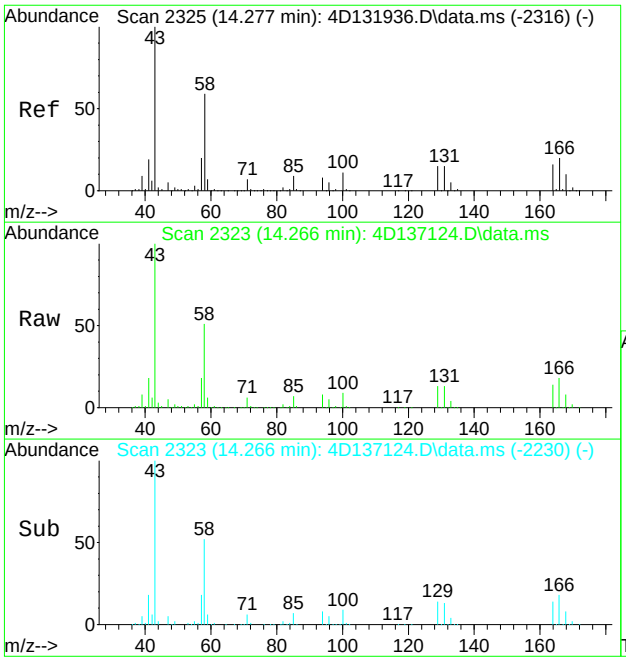


#80
1,3-dichloropropane
Concen: 20.3657 ug/L
RT: 14.298 min Scan# 2329
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 76 Resp: 148599

Ion	Ratio	Lower	Upper
76	100		
78	33.8	2.5	62.5
41	69.5	40.0	100.0

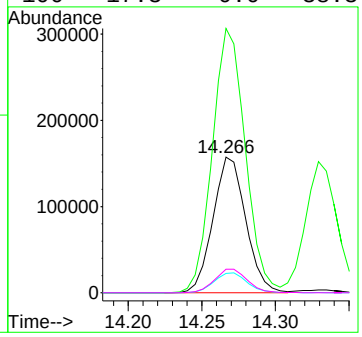


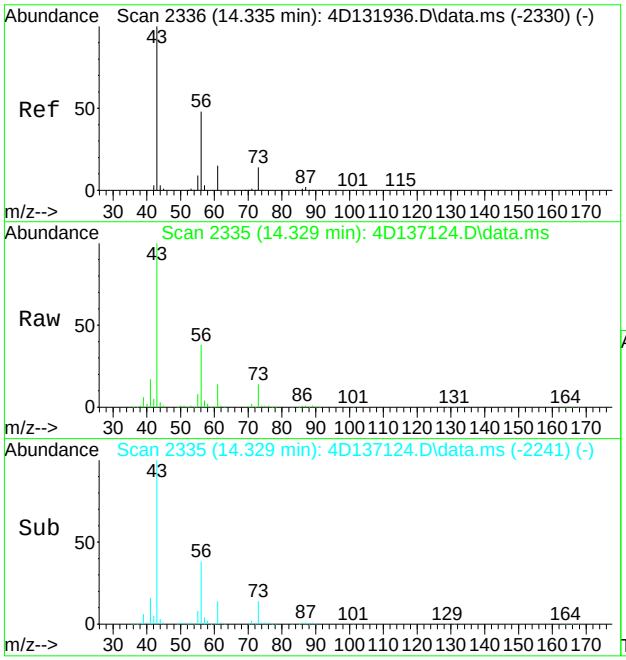


#81
2-hexanone
Concen: 67.0000 ug/L
RT: 14.266 min Scan# 2323
Delta R.T. -0.011 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 58 Resp: 243422

Ion	Ratio	Lower	Upper
58	100		
43	194.8	149.1	189.1#
85	14.4	0.0	34.7
100	17.3	0.0	38.3

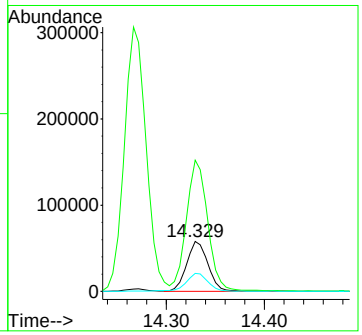


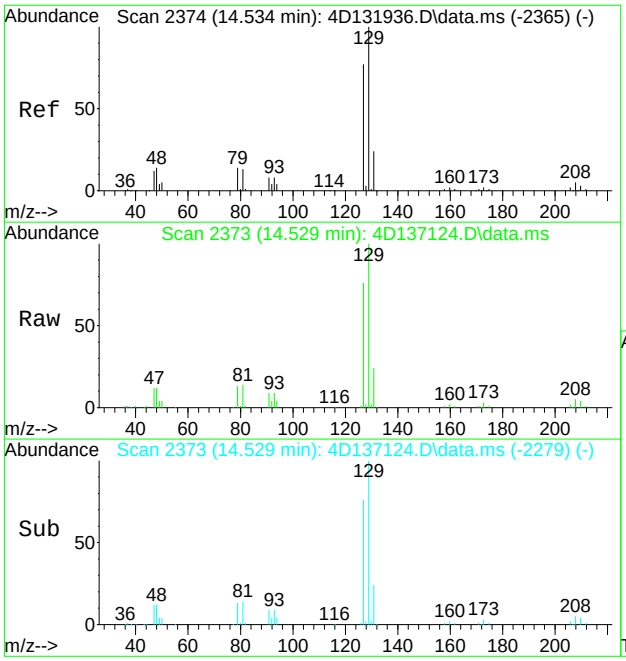


#82
butyl acetate
Concen: 16.9880 ug/L
RT: 14.329 min Scan# 2335
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 56 Resp: 87806

Ion	Ratio	Lower	Upper
56	100		
43	262.0	196.2	256.2#
73	36.2	0.0	59.9

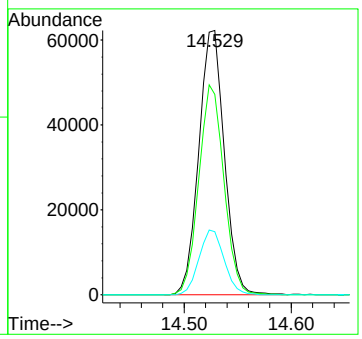


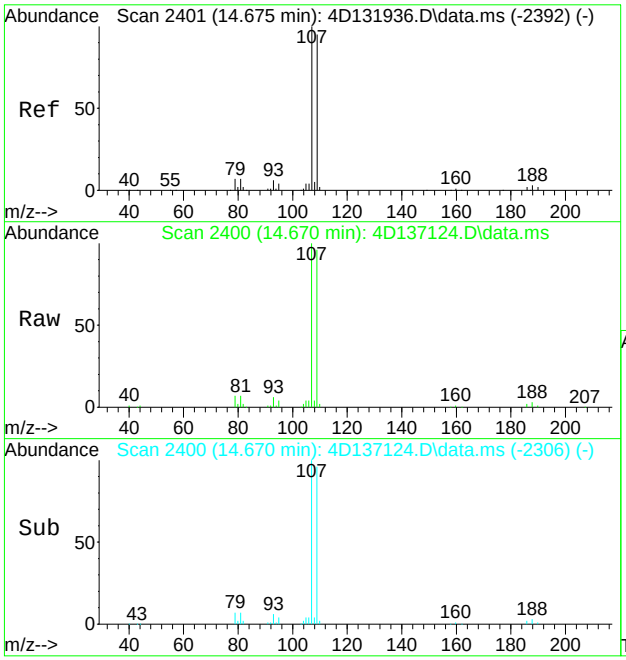


#83
dibromochloromethane
Concen: 17.9793 ug/L
RT: 14.529 min Scan# 2373
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:129 Resp: 103600

Ion	Ratio	Lower	Upper
129	100		
127	75.8	47.2	107.2
131	23.9	0.0	54.4

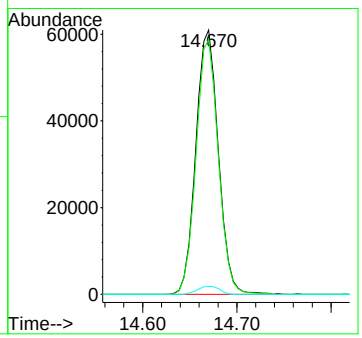


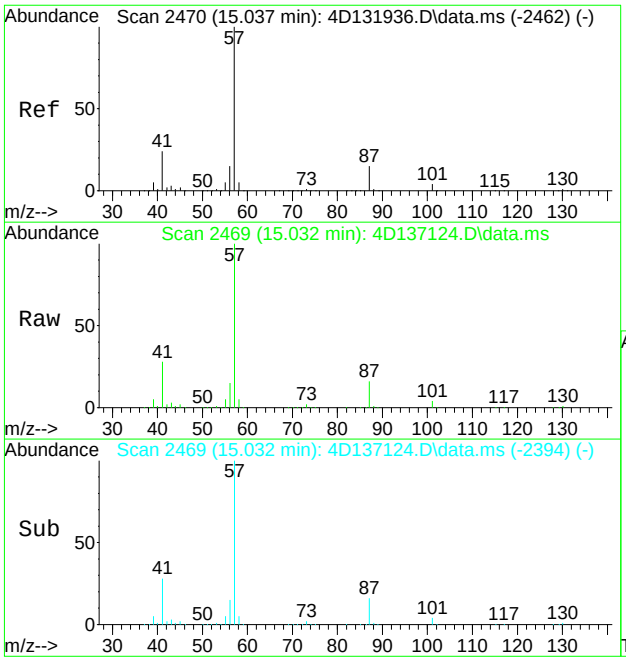


#84
1,2-dibromoethane
Concen: 19.1241 ug/L
RT: 14.670 min Scan# 2400
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:107 Resp: 100977

Ion	Ratio	Lower	Upper
107	100		
109	96.3	65.1	125.1
188	3.0	0.0	33.2

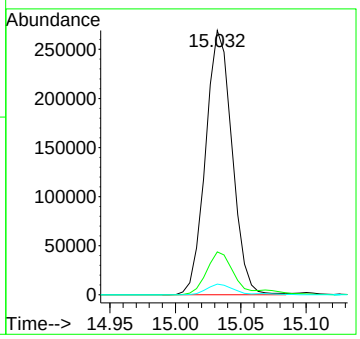


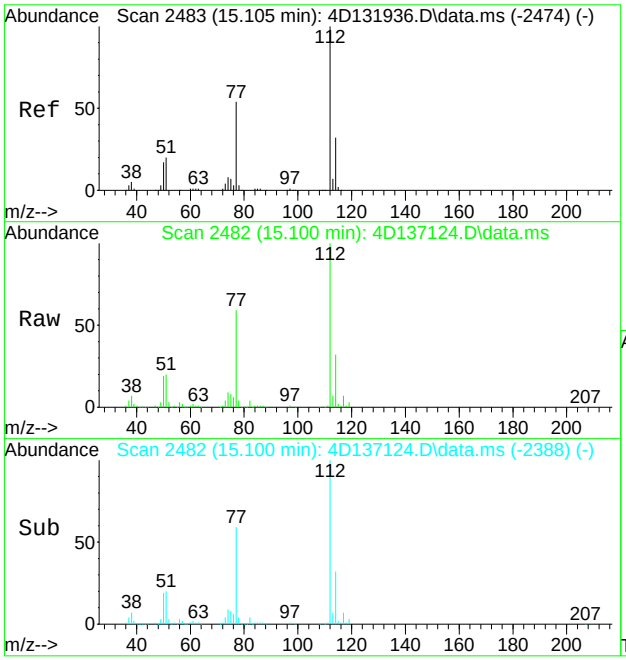


#85
n-butyl ether
Concen: 17.4262 ug/L
RT: 15.032 min Scan# 2469
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 57 Resp: 380911

Ion	Ratio	Lower	Upper
57	100		
87	16.3	0.0	44.7
101	4.0	0.0	33.8

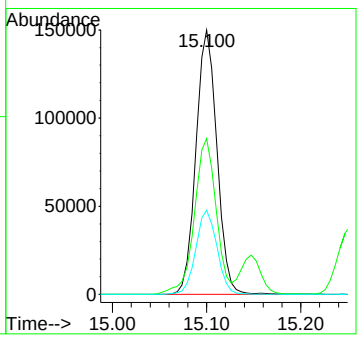


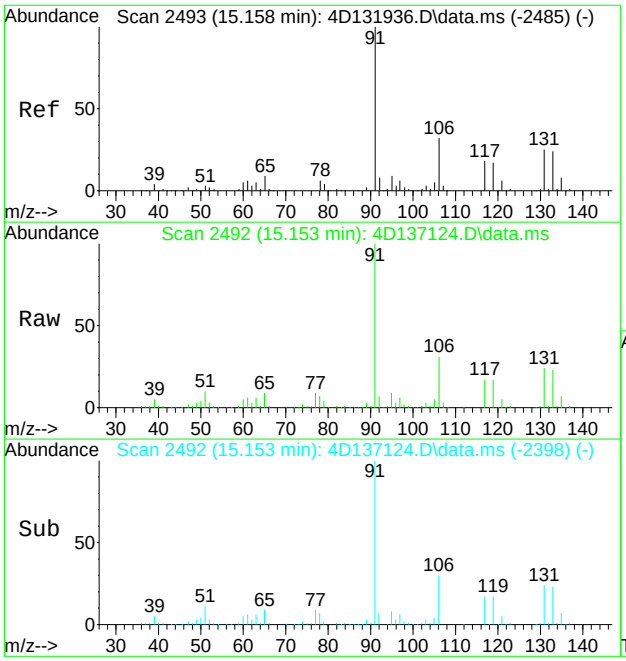


#86
chlorobenzene
Concen: 18.1763 ug/L
RT: 15.100 min Scan# 2482
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:112 Resp: 232356

Ion	Ratio	Lower	Upper
112	100		
77	58.7	23.8	83.8
114	31.8	2.2	62.2

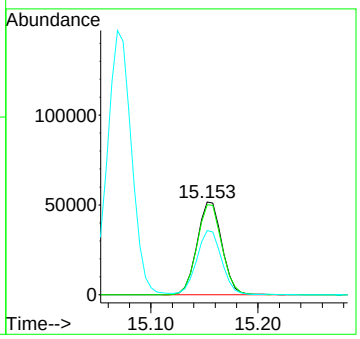


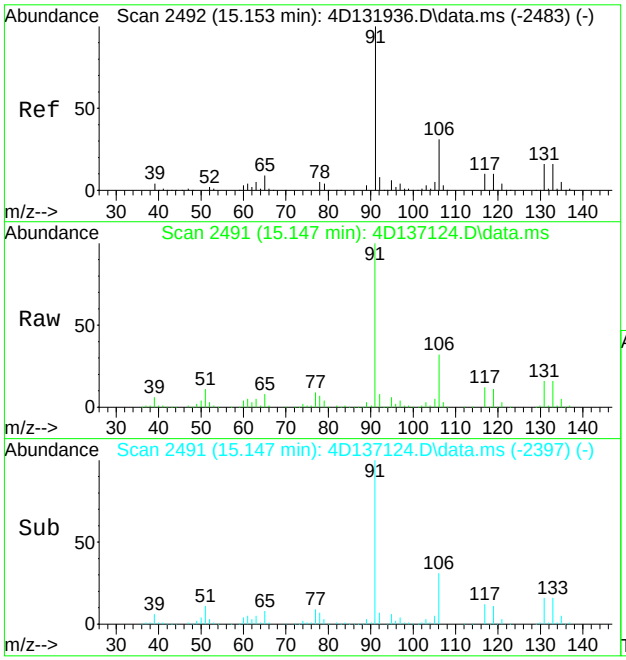


#87
1,1,1,2-tetrachloroethane
Concen: 18.1100 ug/L
RT: 15.153 min Scan# 2492
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:131 Resp: 83578

Ion	Ratio	Lower	Upper
131	100		
133	96.9	66.4	126.4
119	68.9	37.8	97.8

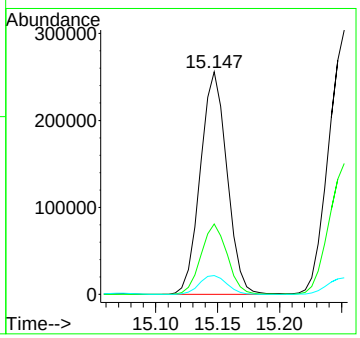


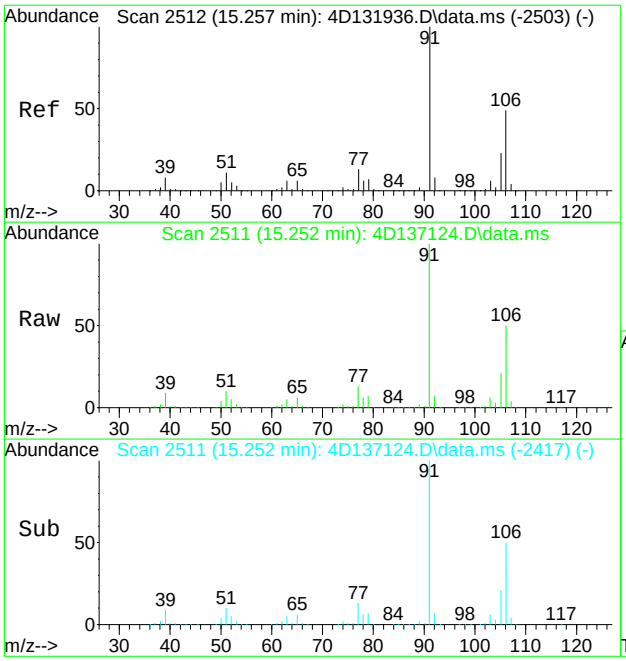


#88
ethylbenzene
Concen: 18.3817 ug/L
RT: 15.147 min Scan# 2491
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 91 Resp: 383520

Ion	Ratio	Lower	Upper
91	100		
106	31.7	1.3	61.3
65	8.4	0.0	39.1

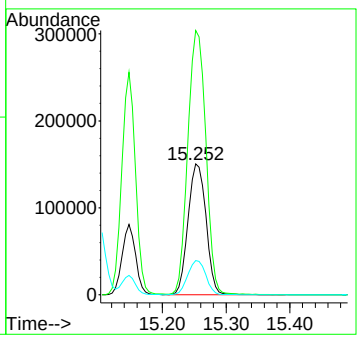


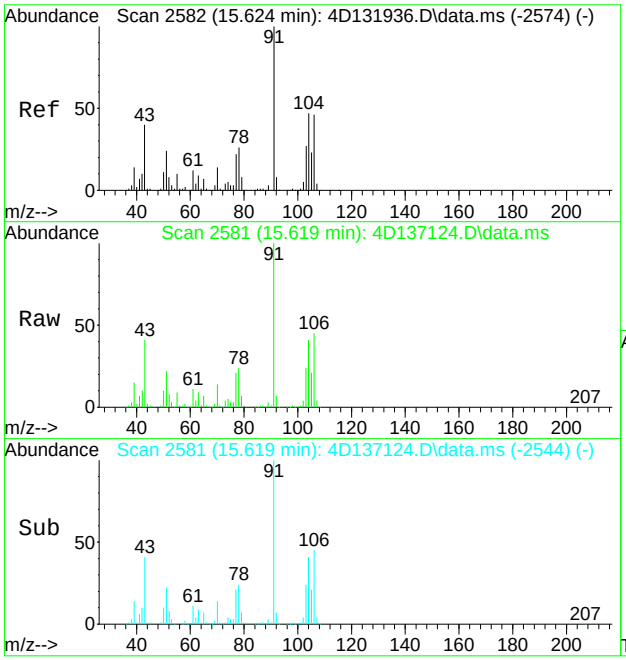


#89
m,p-xylene
Concen: 36.9764 ug/L
RT: 15.252 min Scan# 2511
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:106 Resp: 296775

Ion	Ratio	Lower	Upper
106	100		
91	201.8	173.6	233.6
77	26.1	5.6	45.6

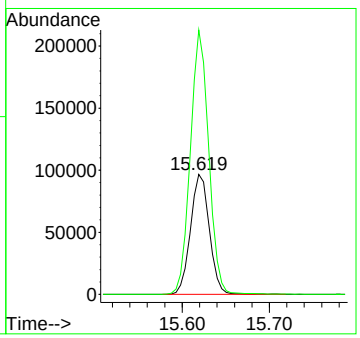


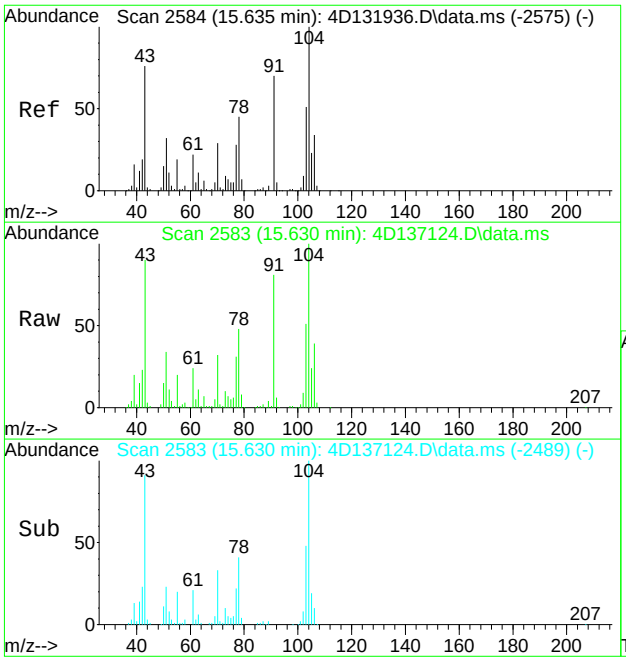


#90
o-xylene
Concen: 18.4700 ug/L
RT: 15.619 min Scan# 2581
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:106 Resp: 145147

Ion	Ratio	Lower	Upper
106	100		
91	220.5	188.2	248.2

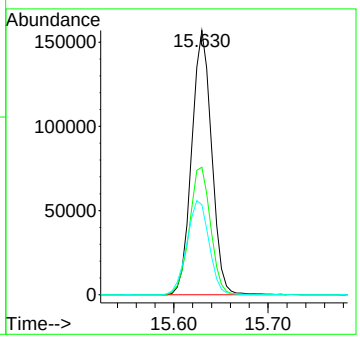


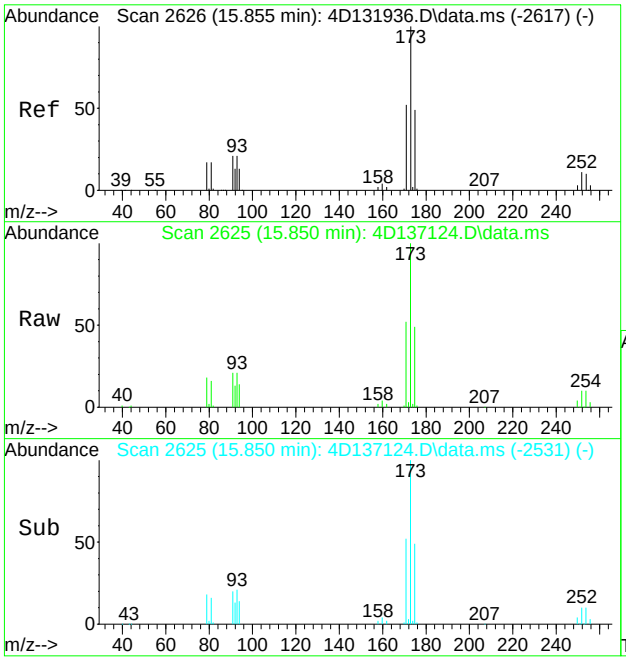


#91
styrene
Concen: 17.4847 ug/L
RT: 15.630 min Scan# 2583
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:104 Resp: 230651

Ion	Ratio	Lower	Upper
104	100		
78	48.2	14.9	74.9
51	34.0	2.1	62.1

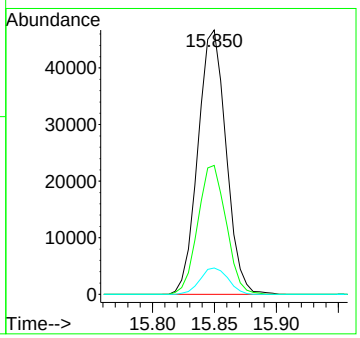


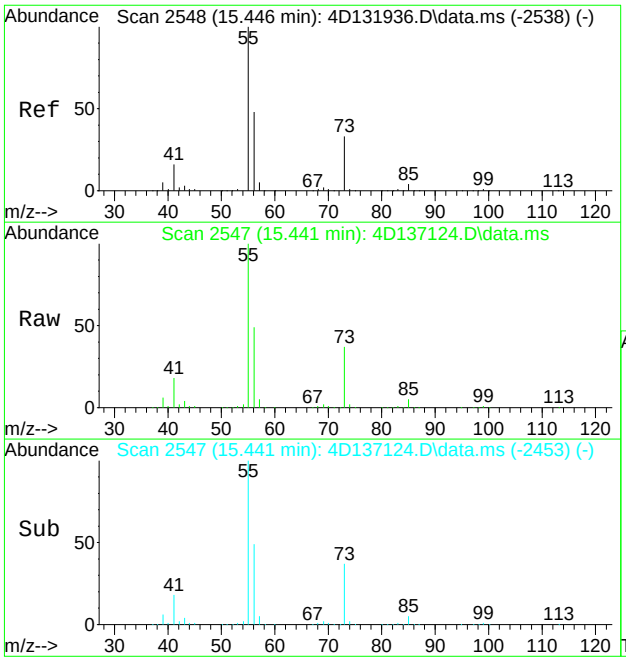


#92
bromoform
Concen: 17.9794 ug/L
RT: 15.850 min Scan# 2625
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:173 Resp: 73981

Ion	Ratio	Lower	Upper
173	100		
175	48.8	18.7	78.7
254	10.0	0.0	40.1

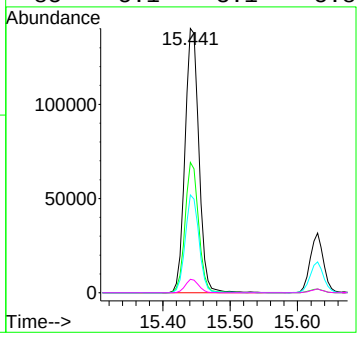


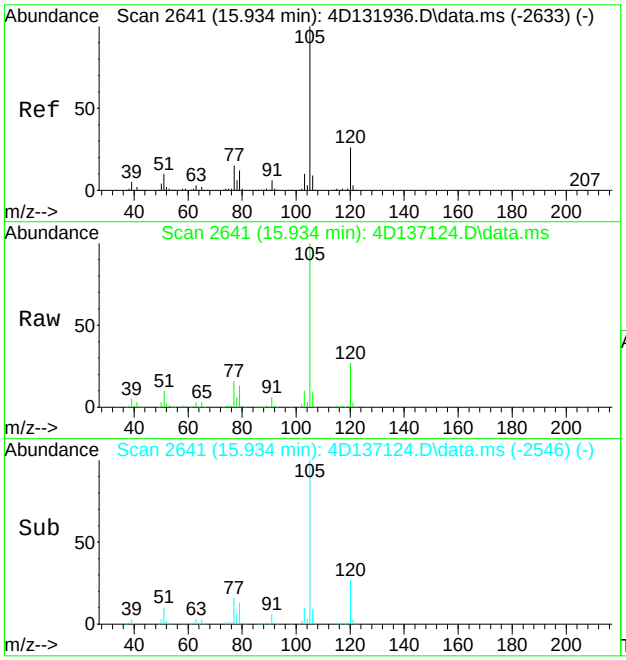


#93
butyl acrylate
Concen: 16.3566 ug/L
RT: 15.441 min Scan# 2547
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 55 Resp: 201794

Ion	Ratio	Lower	Upper
55	100		
56	49.3	33.5	62.1
73	37.0	23.2	43.2
85	5.1	3.1	5.8

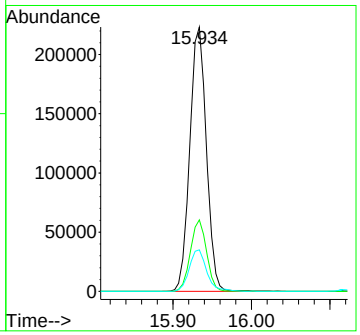


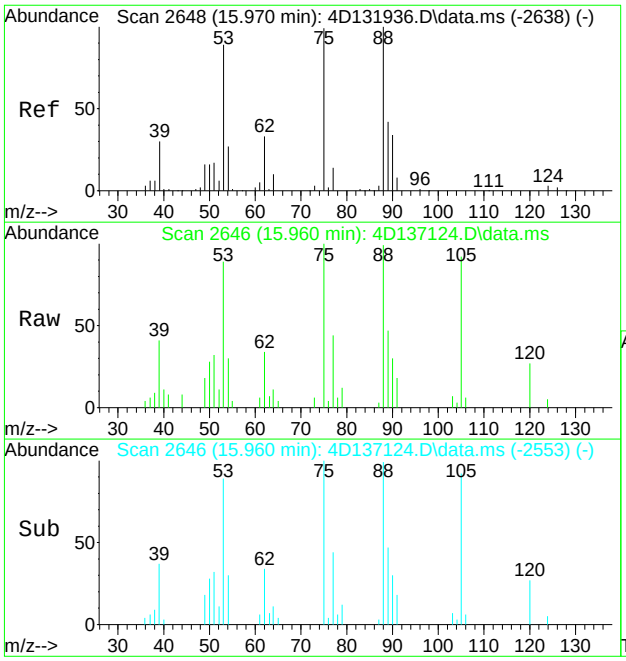


#94
isopropylbenzene
Concen: 18.0385 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:105 Resp: 328486

Ion	Ratio	Lower	Upper
105	100		
120	27.1	5.9	45.9
77	15.7	0.0	34.7

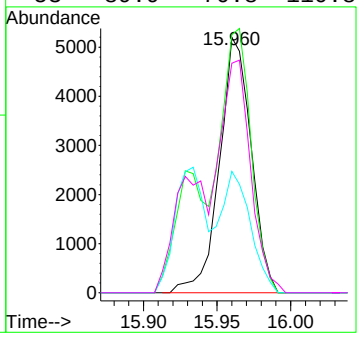


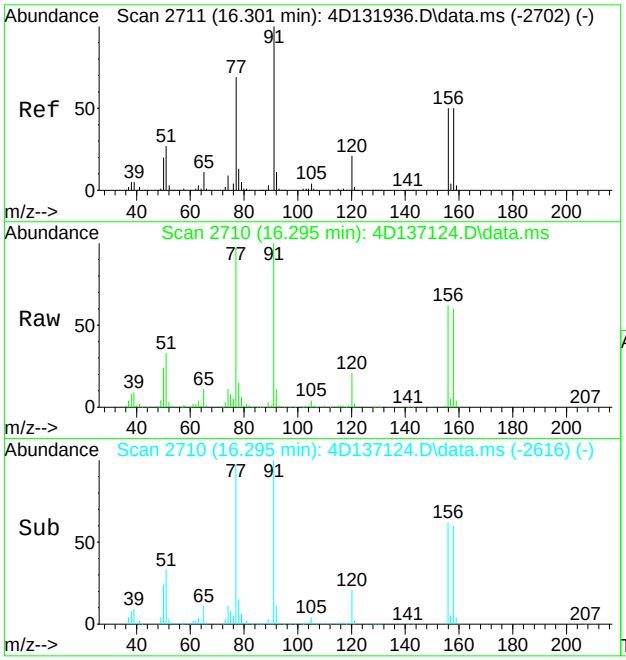


#95
cis-1,4-dichloro-2-butene
Concen: 3.2412 ug/L
RT: 15.960 min Scan# 2646
Delta R.T. -0.010 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 88 Resp: 7780

Ion	Ratio	Lower	Upper
88	100		
75	101.2	80.4	120.4
89	47.6	23.8	63.8
53	89.9	70.8	110.8

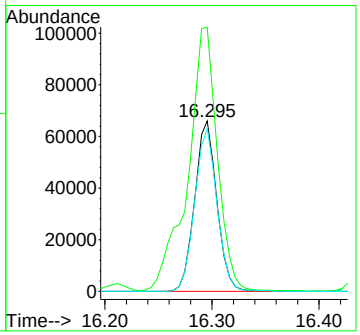


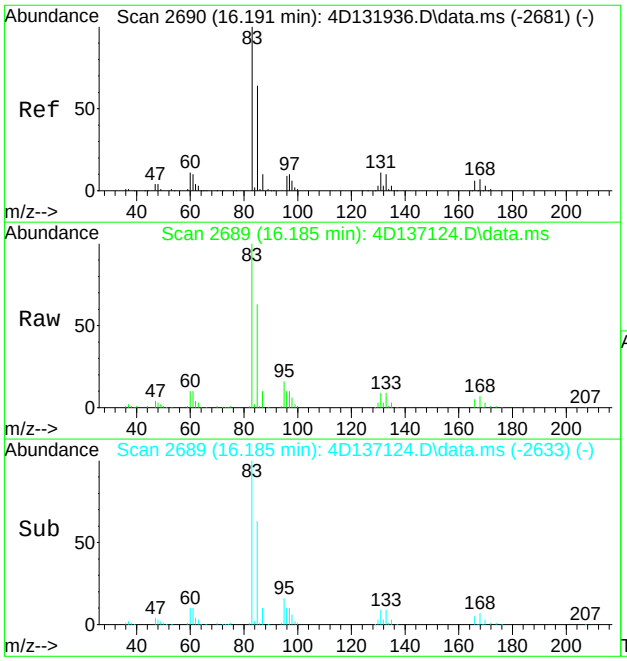


#98
bromobenzene
Concen: 18.7201 ug/L
RT: 16.295 min Scan# 2710
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:156 Resp: 94740

Ion	Ratio	Lower	Upper
156	100		
77	154.8	114.1	174.1
158	95.6	69.3	129.3

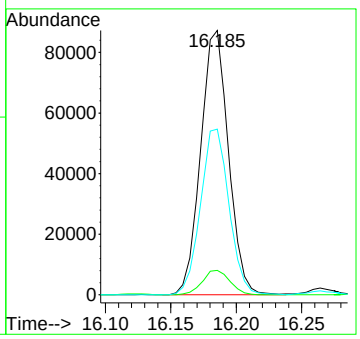


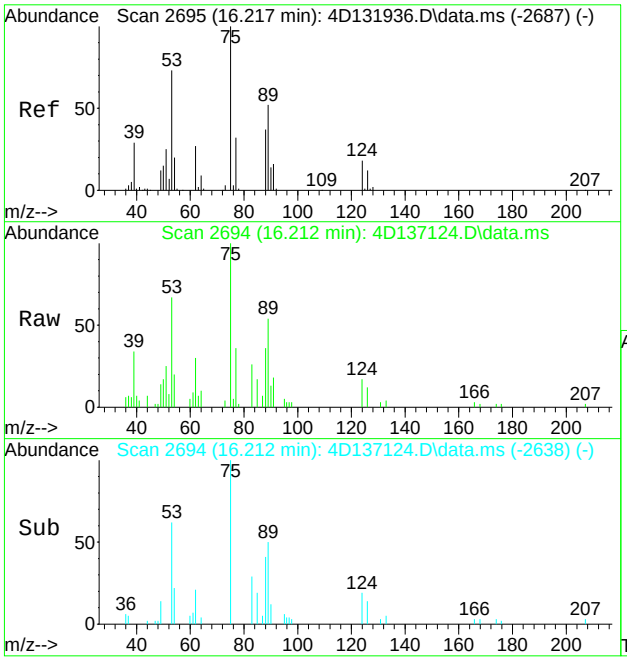


#99
1,1,2,2-tetrachloroethane
Concen: 19.2884 ug/L
RT: 16.185 min Scan# 2689
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 83 Resp: 129312

Ion	Ratio	Lower	Upper
83	100		
131	9.3	0.0	40.7
85	62.6	33.7	93.7

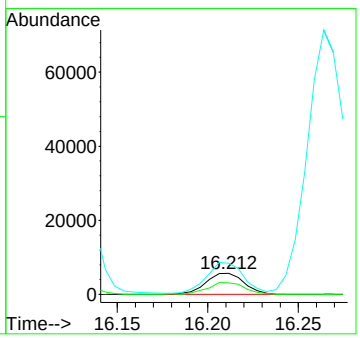


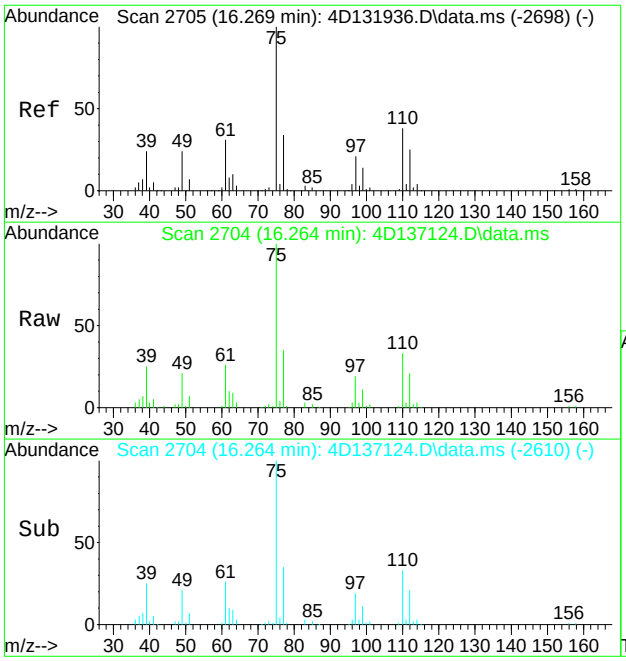


#100
trans-1,4-dichloro-2-butene
Concen: 4.0882 ug/L
RT: 16.212 min Scan# 2694
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 53 Resp: 8341

Ion	Ratio	Lower	Upper
53	100		
88	54.1	20.8	80.8
75	142.1	106.5	166.5

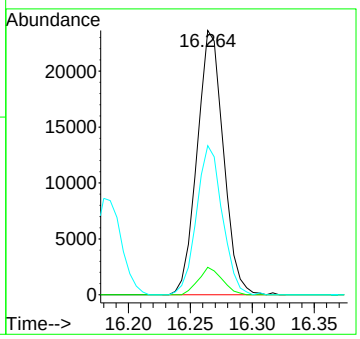


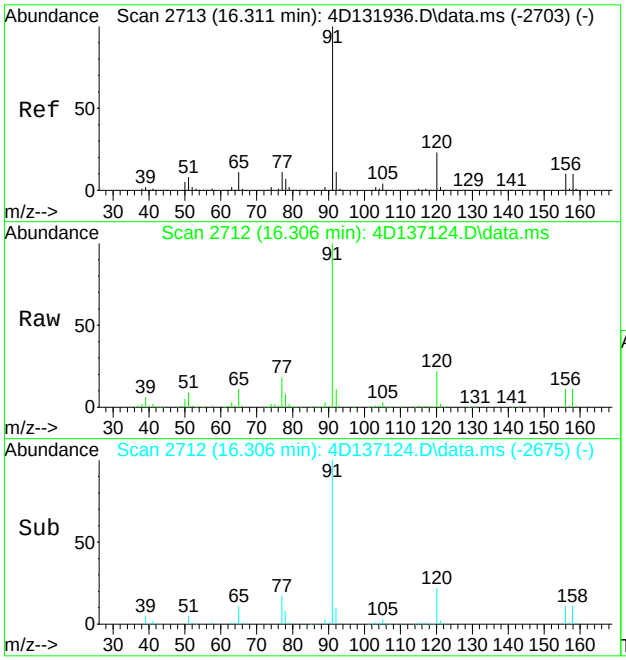


#101
1,2,3-trichloropropane
Concen: 19.4879 ug/L
RT: 16.264 min Scan# 2704
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:110 Resp: 35030

Ion	Ratio	Lower	Upper
110	100		
111	10.4	0.0	40.4
97	56.4	25.6	85.6

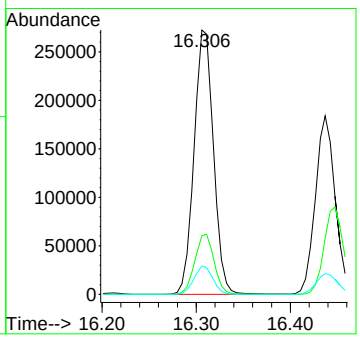


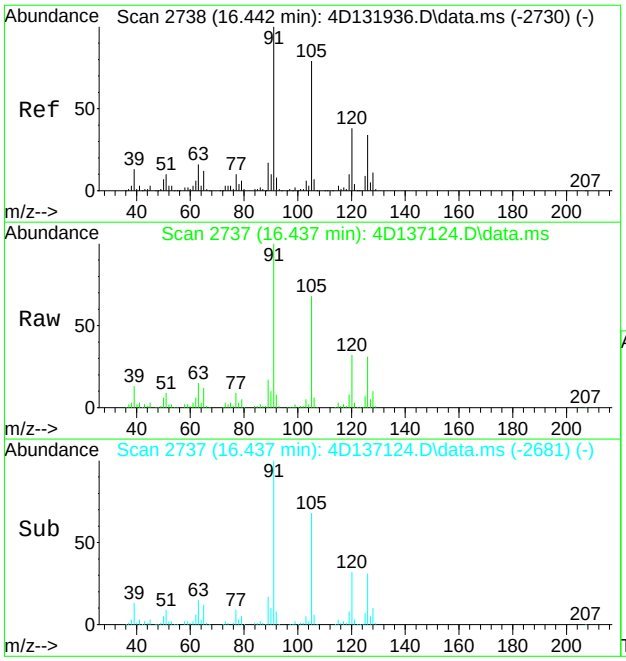


#102
n-propylbenzene
Concen: 18.4895 ug/L
RT: 16.306 min Scan# 2712
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 91 Resp: 390482

Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	53.1
65	10.7	0.0	40.8

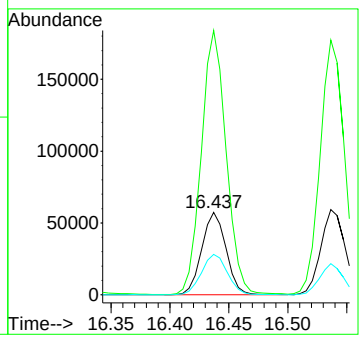


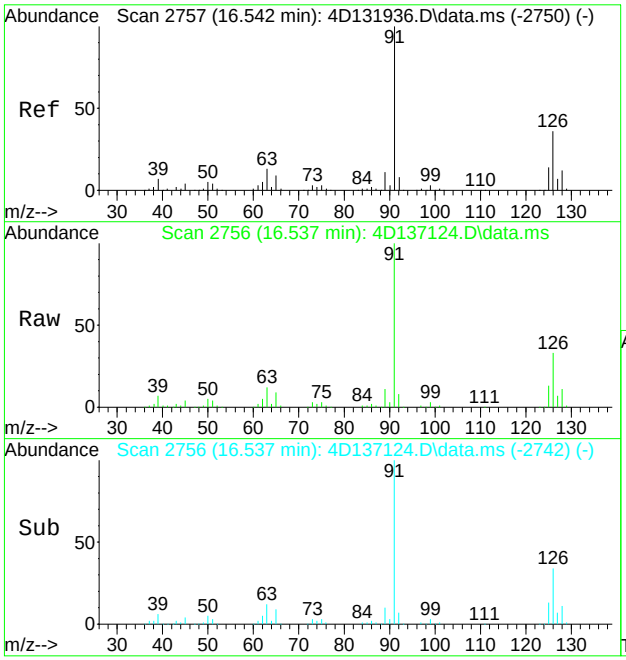


#103
2-chlorotoluene
Concen: 18.1246 ug/L
RT: 16.437 min Scan# 2737
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:126 Resp: 82502

Ion	Ratio	Lower	Upper
126	100		
91	320.5	265.9	325.9
63	49.1	18.3	78.3

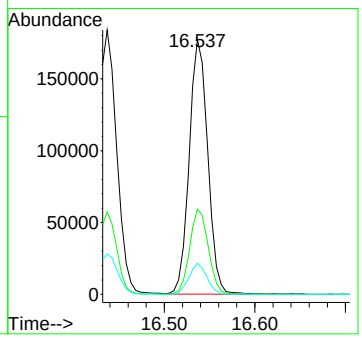


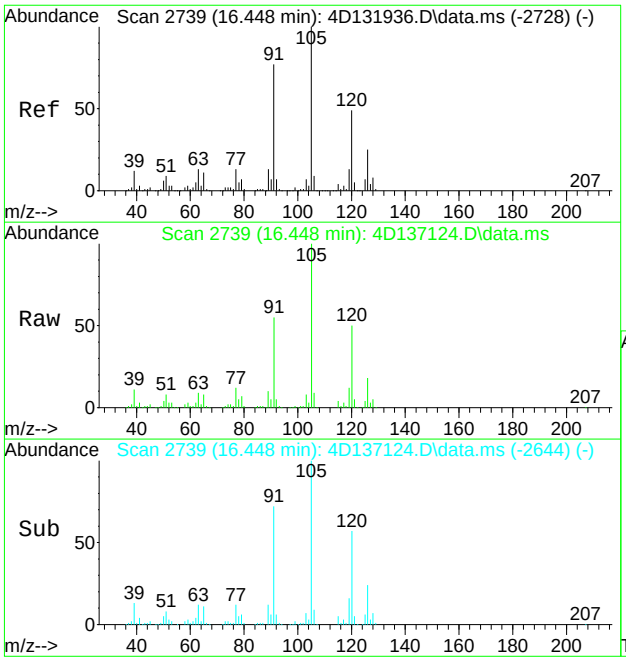


#104
4-chlorotoluene
Concen: 18.2655 ug/L
RT: 16.537 min Scan# 2756
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 91 Resp: 253570

Ion	Ratio	Lower	Upper
91	100		
126	33.5	5.5	65.5
63	12.2	0.0	42.5

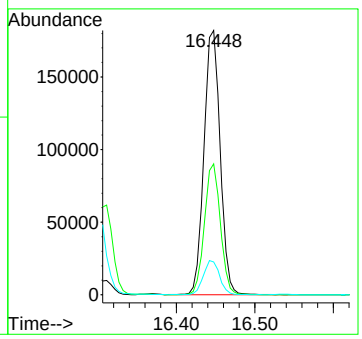


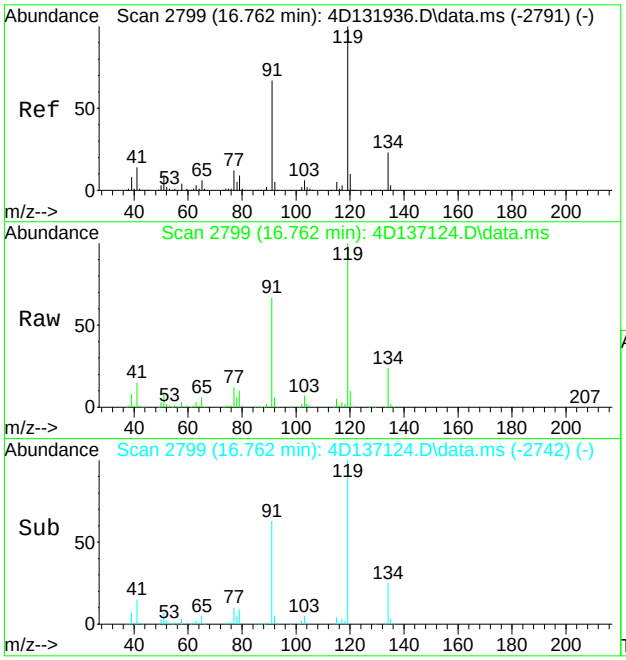


#105
1,3,5-trimethylbenzene
Concen: 17.6379 ug/L
RT: 16.448 min Scan# 2739
Delta R.T. -0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:105 Resp: 262335

Ion	Ratio	Lower	Upper
105	100		
120	49.5	19.3	79.3
77	12.3	0.0	42.7

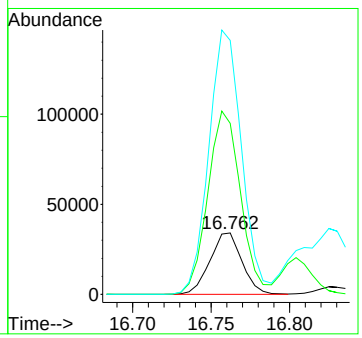


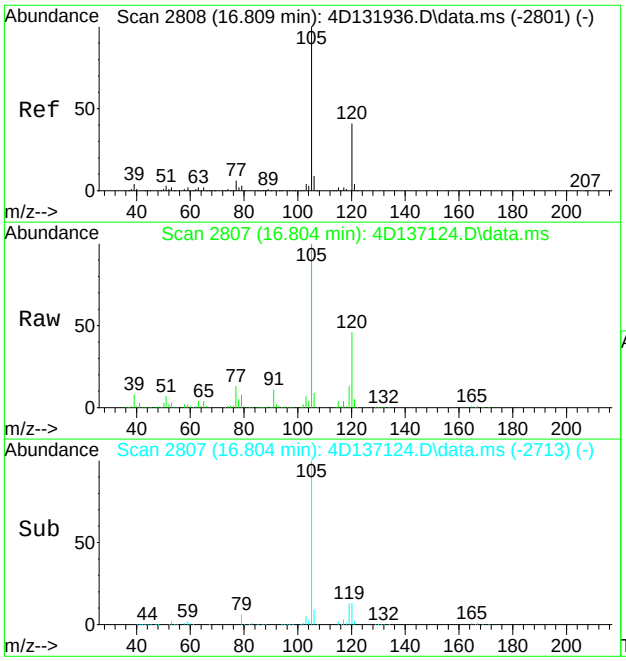


#106
tert-butylbenzene
Concen: 17.6195 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. 0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:134 Resp: 48628

Ion	Ratio	Lower	Upper
134	100		
91	277.8	266.0	326.0
119	412.6	410.0	470.0

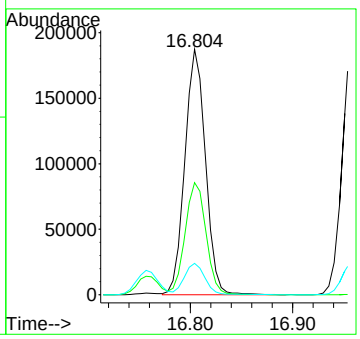


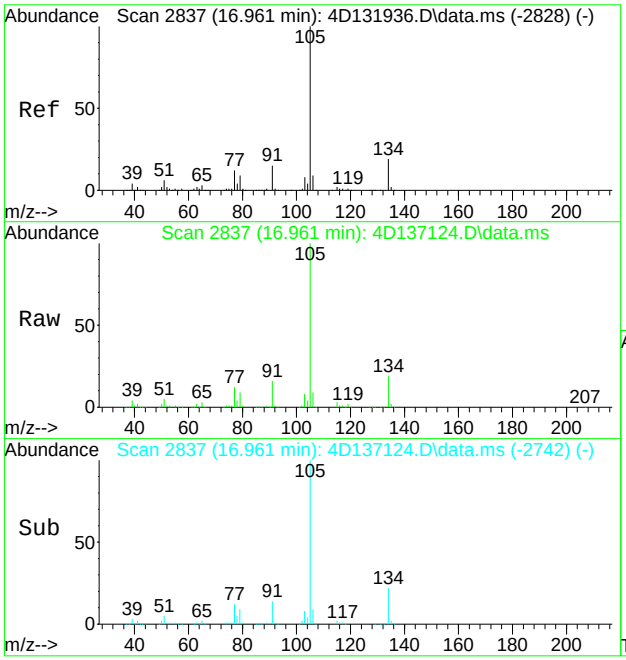


#107
1,2,4-trimethylbenzene
Concen: 17.5044 ug/L
RT: 16.804 min Scan# 2807
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:105 Resp: 262382

Ion	Ratio	Lower	Upper
105	100		
120	45.7	15.8	75.8
77	12.8	0.0	41.4

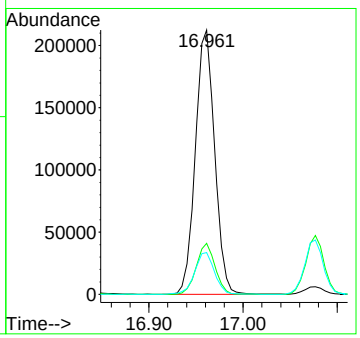


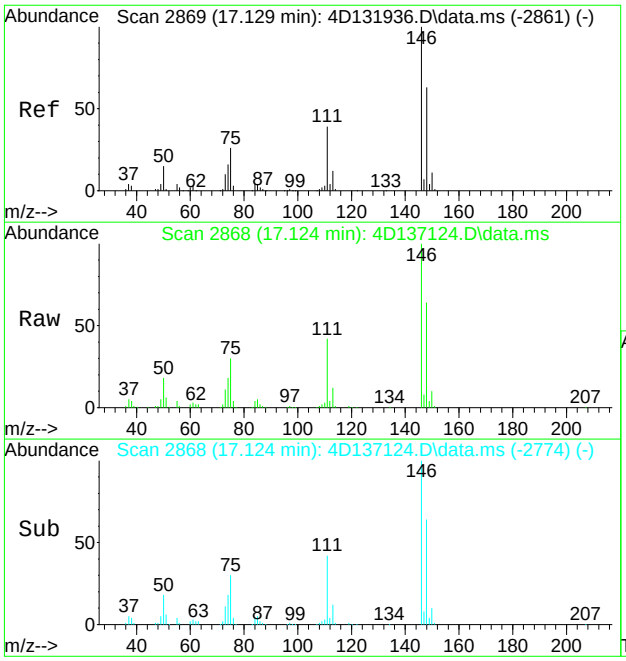


#108
sec-butylbenzene
Concen: 17.5005 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. 0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:105 Resp: 302625

Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	48.6
91	15.8	0.0	45.4

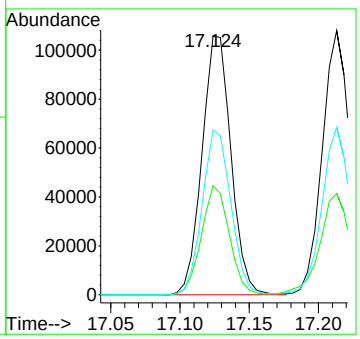


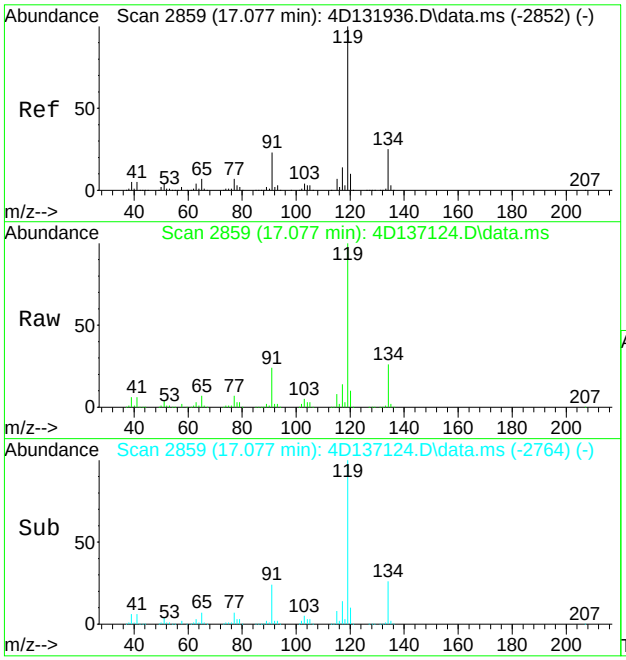


#109
1,3-dichlorobenzene
Concen: 17.5989 ug/L
RT: 17.124 min Scan# 2868
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:146 Resp: 153858

Ion	Ratio	Lower	Upper
146	100		
111	42.2	9.4	69.4
148	63.6	33.3	93.3

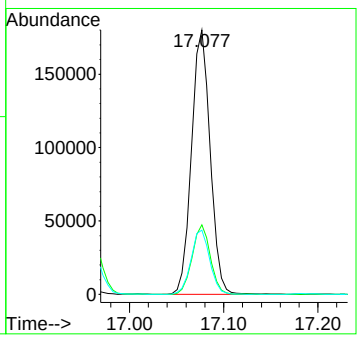


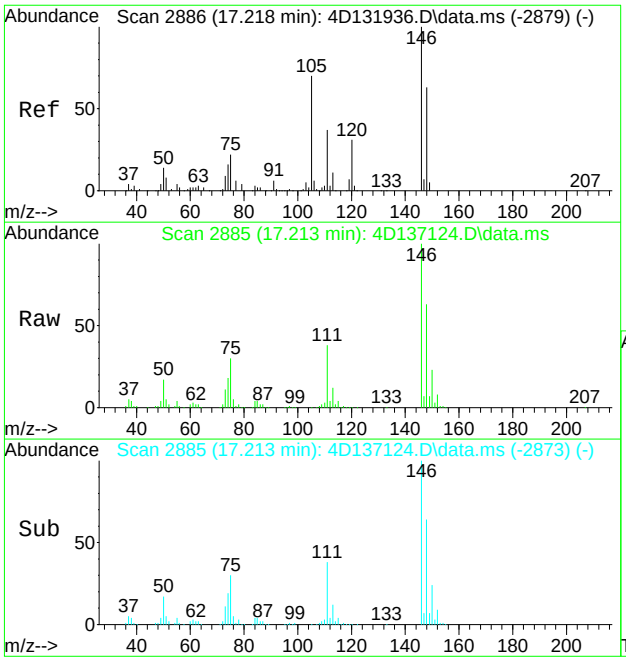


#110
p-isopropyltoluene
Concen: 17.2621 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. -0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:119 Resp: 247333

Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	55.5
91	24.3	0.0	53.2

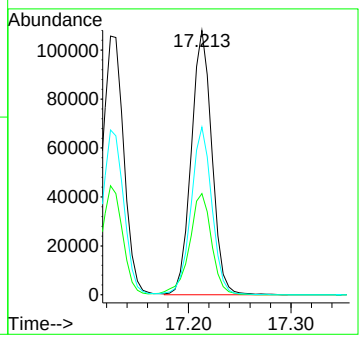


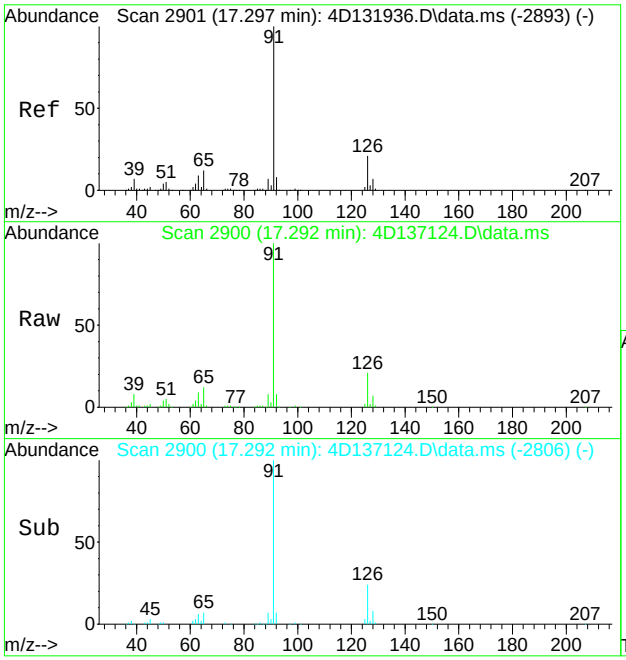


#111
1,4-dichlorobenzene
Concen: 18.0660 ug/L
RT: 17.213 min Scan# 2885
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:146 Resp: 152068

Ion	Ratio	Lower	Upper
146	100		
111	38.2	7.6	67.6
148	63.4	33.6	93.6

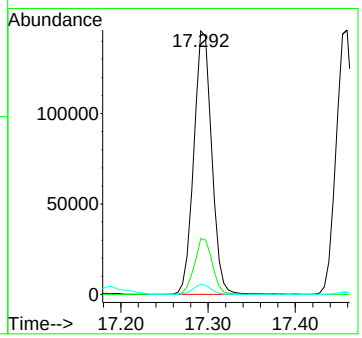


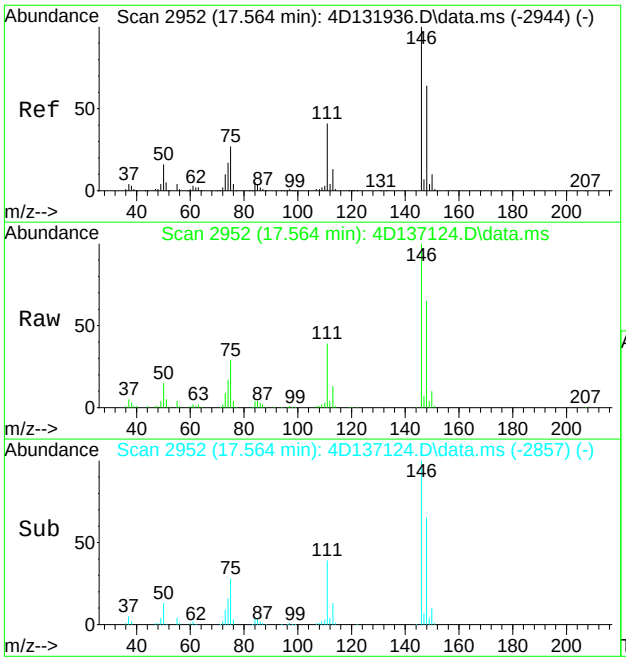


#113
benzyl chloride
Concen: 18.1541 ug/L
RT: 17.292 min Scan# 2900
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 91 Resp: 207789

Ion	Ratio	Lower	Upper
91	100		
126	21.2	0.0	51.2
62	3.9	0.0	34.2

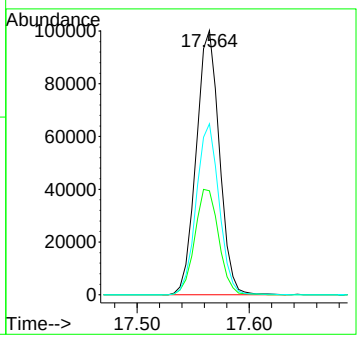


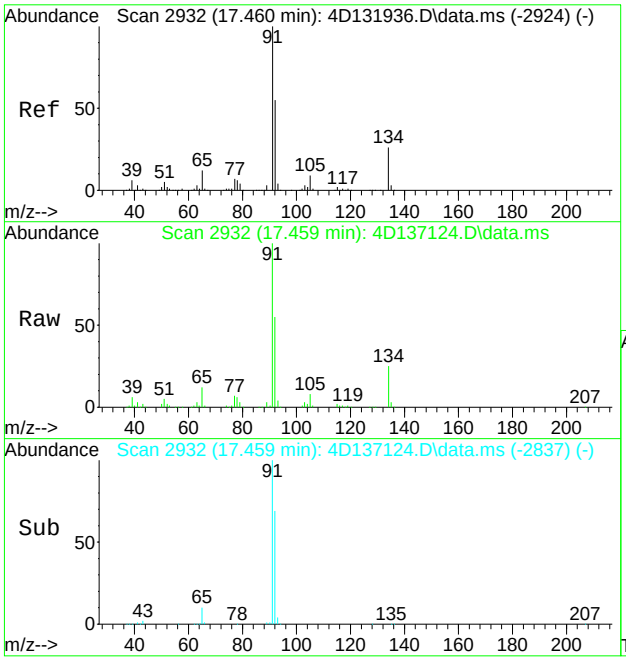


#114
1,2-dichlorobenzene
Concen: 17.4334 ug/L
RT: 17.564 min Scan# 2952
Delta R.T. 0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:146 Resp: 143808

Ion	Ratio	Lower	Upper
146	100		
111	39.4	11.4	71.4
148	64.6	33.6	93.6

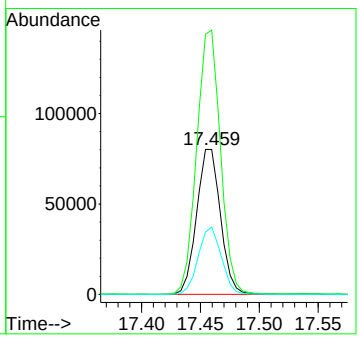


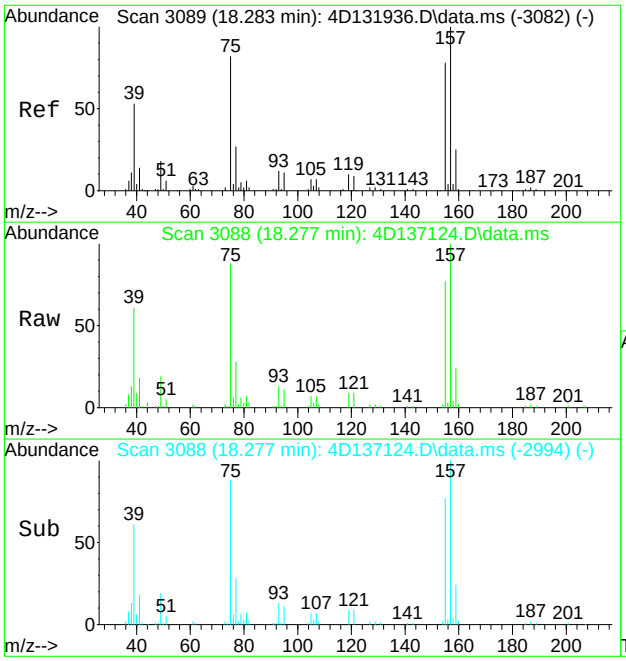


#115
n-butylbenzene
Concen: 17.9381 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.001 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion: 92 Resp: 113311

Ion	Ratio	Lower	Upper
92	100		
91	182.3	151.4	211.4
134	46.4	16.5	76.5

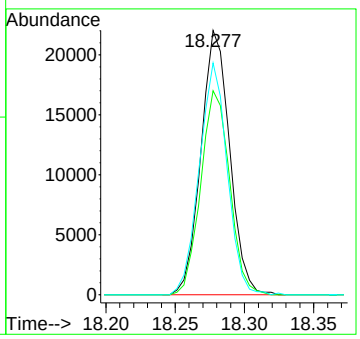


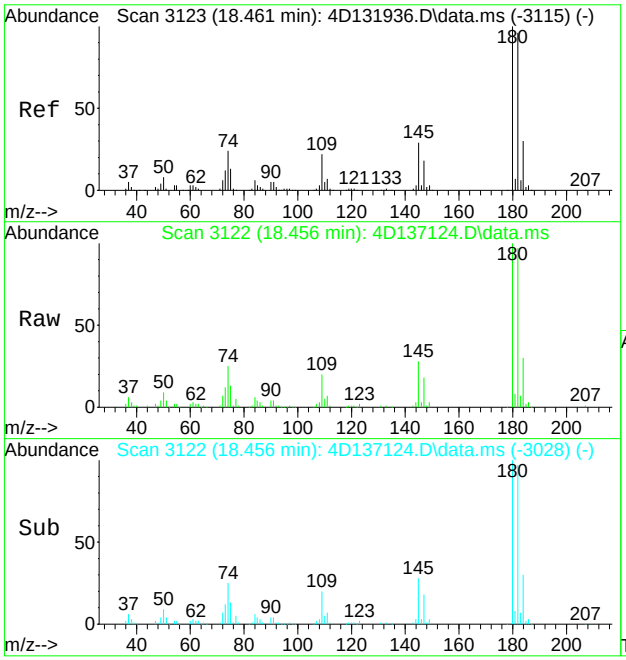


#116
1,2-dibromo-3-chloropropane
Concen: 17.2471 ug/L
RT: 18.277 min Scan# 3088
Delta R.T. -0.006 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:157 Resp: 31766

Ion	Ratio	Lower	Upper
157	100		
155	77.1	48.1	108.1
75	87.7	52.3	112.3

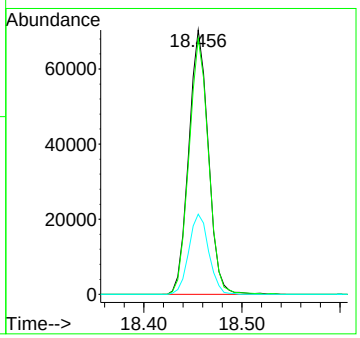


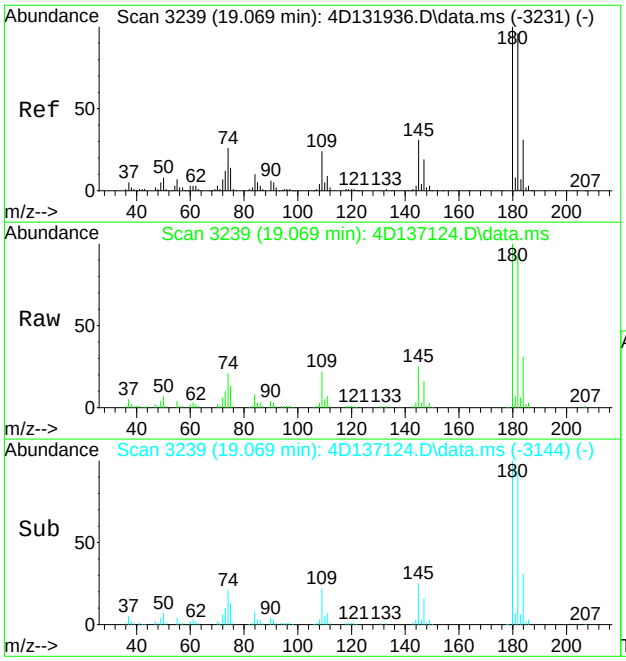


#117
1,3,5-trichlorobenzene
Concen: 19.1927 ug/L
RT: 18.456 min Scan# 3122
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:180 Resp: 97883

Ion	Ratio	Lower	Upper
180	100		
182	96.7	66.1	126.1
184	30.3	0.3	60.3

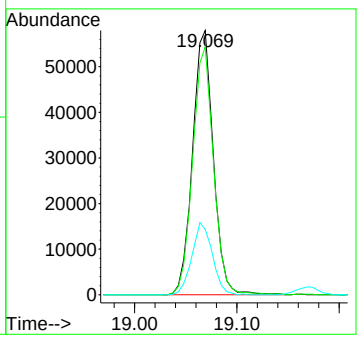


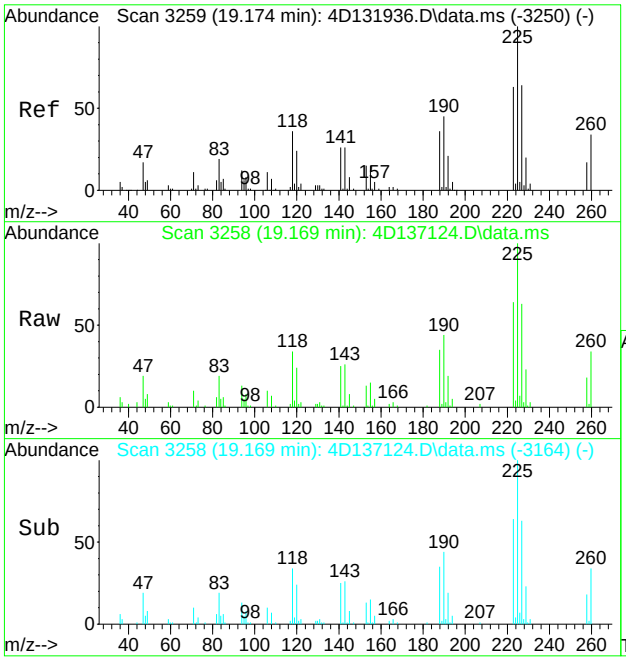


#118
1,2,4-trichlorobenzene
Concen: 18.5042 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. 0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:180 Resp: 82157

Ion	Ratio	Lower	Upper
180	100		
182	93.8	65.6	125.6
145	24.7	0.8	60.8

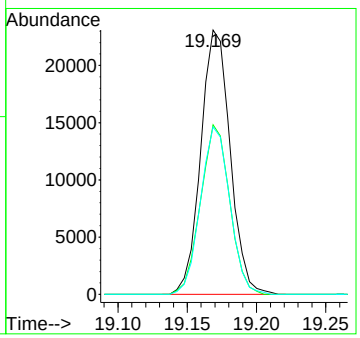


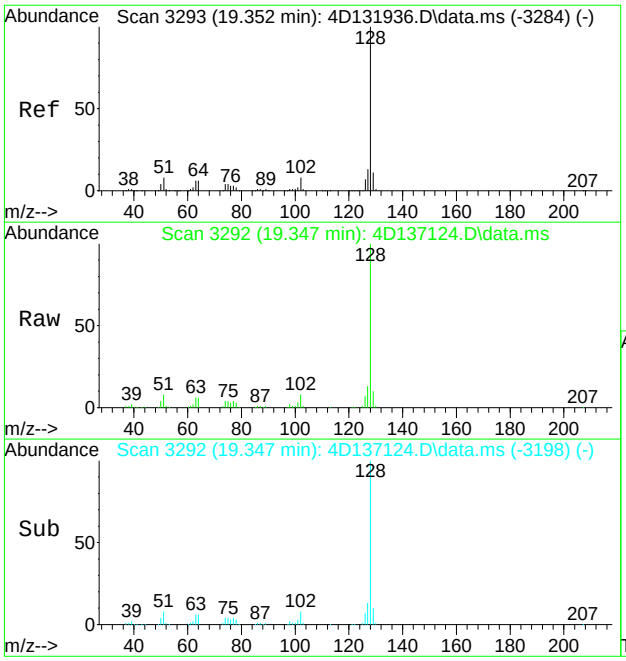


#119
hexachlorobutadiene
Concen: 19.6605 ug/L
RT: 19.169 min Scan# 3258
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:225 Resp: 34074

Ion	Ratio	Lower	Upper
225	100		
223	64.2	33.3	93.3
227	63.3	33.8	93.8

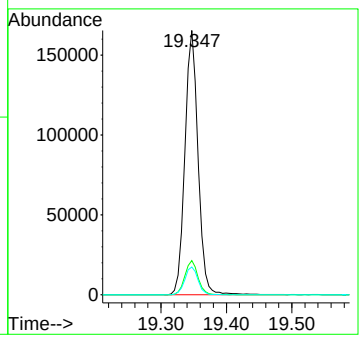


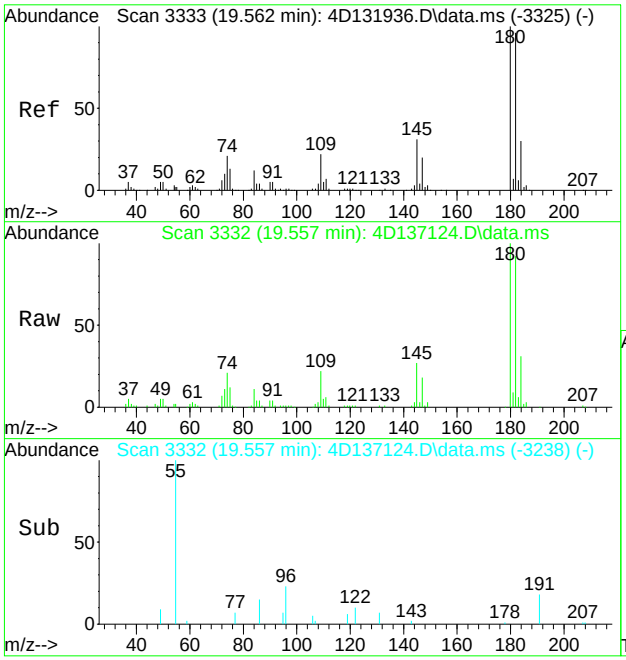


#120
naphthalene
Concen: 15.6454 ug/L
RT: 19.347 min Scan# 3292
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:128 Resp: 230576

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	42.5
129	10.5	0.0	41.0

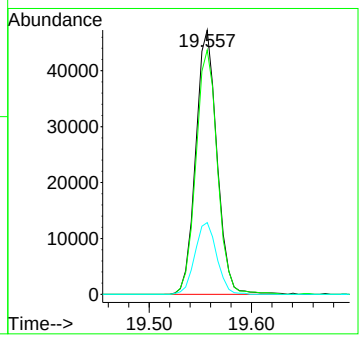


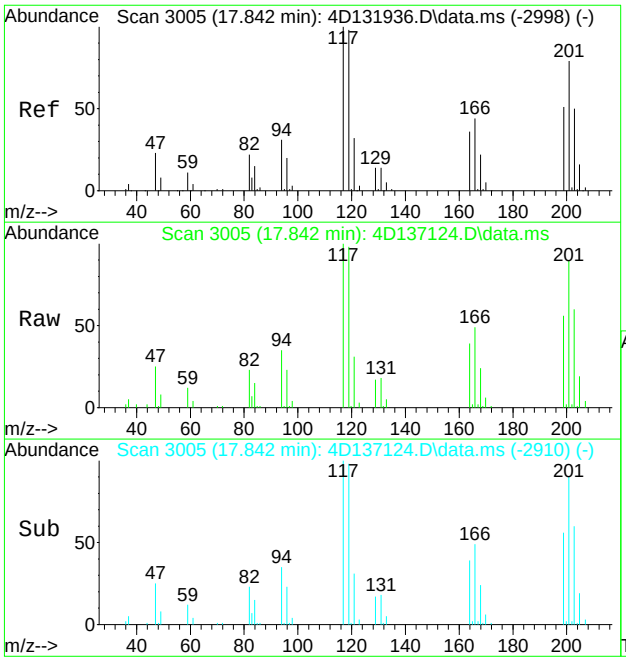


#121
1,2,3-trichlorobenzene
Concen: 17.2505 ug/L
RT: 19.557 min Scan# 3332
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:180 Resp: 68262

Ion	Ratio	Lower	Upper
180	100		
182	92.5	66.3	126.3
145	27.1	1.3	61.3

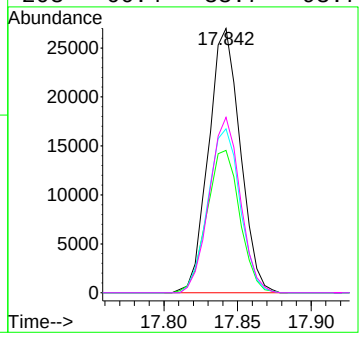


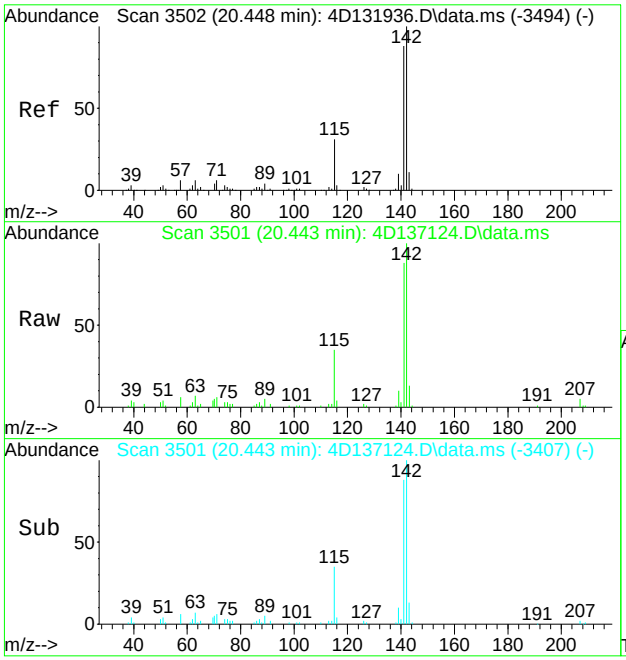


#122
hexachloroethane
Concen: 18.6769 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. 0.000 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:201 Resp: 40326

Ion	Ratio	Lower	Upper
201	100		
166	53.9	26.1	86.1
199	62.0	33.8	93.8
203	66.4	33.7	93.7

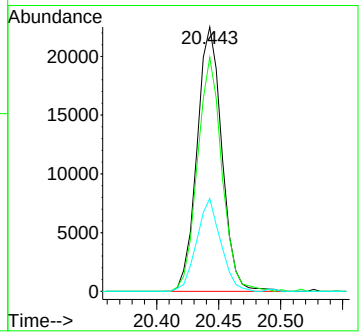




#123
2-methylnaphthalene
Concen: 5.0157 ug/L
RT: 20.443 min Scan# 3501
Delta R.T. -0.005 min
Lab File: 4D137124.D
Acq: 6 Jun 2024 10:53 am

Tgt Ion:142 Resp: 31444

Ion	Ratio	Lower	Upper
142	100		
141	88.5	67.9	107.9
115	35.1	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137230.d
Acq On : 11 Jun 2024 10:35 am
Operator : nickw
Sample : bs Inst : GCMS4D
Misc : MS37615,V4D6056,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 11 18:19:00 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.803	65	637766	500.00	ug/L	-0.03
5) pentafluorobenzene	11.288	168	571906	50.00	ug/L	-0.01
51) 1,4-difluorobenzene	12.201	114	968064	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	727783	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	301988	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.288	168	571906	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	301988	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.325	113	331862	54.36	ug/L	-0.02
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.72%			
52) 1,2-dichloroethane-d4 (s)	11.744	65	347685	48.93	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.86%			
74) toluene-d8 (s)	13.700	98	1009683	52.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.76%			
97) 4-bromofluorobenzene (s)	16.122	95	343793	54.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.00%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.939	59	159943	79.1667	ug/L	98
3) ethanol	7.304	45	361194	1882.2831	ug/L	99
4) 1,4-dioxane	12.798	88	62593	491.4860	ug/L	92
7) dichlorodifluoromethane	4.735	85	128432	14.7605	ug/L	99
8) chloromethane	5.233	50	138329	14.5730	ug/L	99
9) vinyl chloride	5.495	62	113367	14.4448	ug/L	98
10) 1,3-butadiene	5.600	54	159294	25.5404	ug/L	96
11) bromomethane	6.281	94	96347	23.0409	ug/L	99
12) chloroethane	6.528	64	77333	17.1031	ug/L	97
13) trichlorofluoromethane	7.068	101	165082	17.7177	ug/L	100
14) ethyl ether	7.582	74	70758	21.9907	ug/L	87
15) acrolein	7.838	56	36736	19.2350	ug/L	95
16) freon 113	8.059	151	83230	19.8463	ug/L	98
17) 1,1-dichloroethene	8.069	96	100438	21.0286	ug/L	85
18) acetone	8.069	58	73733	52.1709	ug/L	95
19) acetonitrile	8.546	41	289246	206.3880	ug/L	99
20) iodomethane	8.352	142	105251	15.7535	ug/L	97
21) carbon disulfide	8.515	76	306982	20.6797	ug/L	98
22) methylene chloride	8.882	84	122146	19.2583	ug/L	92
23) methyl acetate	8.604	74	31165	20.9960	ug/L	97
24) methyl tert butyl ether	9.275	73	345165	19.4080	ug/L	96
25) trans-1,2-dichloroethene	9.322	96	110214	20.4629	ug/L	94
26) di-isopropyl ether	9.941	45	400090	18.8858	ug/L	99
27) 2-butanone	10.654	72	98377	76.5511	ug/L #	87
28) 1,1-dichloroethane	9.962	63	201502	18.5004	ug/L	98
29) chloroprene	10.067	53	170609	17.2858	ug/L	94
30) acrylonitrile	9.207	53	70921	19.1817	ug/L	98
31) hexane	9.715	56	83375	16.4381	ug/L	89
32) vinyl acetate	9.894	86	28864	23.3000	ug/L #	81
33) ethyl tert-butyl ether	10.439	59	365265	17.3210	ug/L	98
34) ethyl acetate	10.675	70	22382	18.3135	ug/L	94
35) 2,2-dichloropropane	10.754	77	167000	19.5668	ug/L	96
36) cis-1,2-dichloroethene	10.733	96	125302	19.9407	ug/L	92
37) methyl acrylate	10.764	55	204279	18.1575	ug/L	96
38) propionitrile	10.738	54	298527	181.8383	ug/L	92
39) bromochloromethane	11.042	128	60675	19.3176	ug/L	98
40) tetrahydrofuran	11.063	72	27516	20.7173	ug/L	91
41) chloroform	11.131	85	132110	20.6461	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137230.d
Acq On : 11 Jun 2024 10:35 am
Operator : nickw
Sample : bs Inst : GCMS4D
Misc : MS37615,V4D6056,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 11 18:19:00 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	11.163	59	66530	24.2047	ug/L		96
44) methacrylonitrile	10.948	67	69370	19.5927	ug/L		96
45) 1,1,1-trichloroethane	11.393	97	163291	18.8734	ug/L		95
46) cyclohexane	11.503	84	140299	17.9966	ug/L	#	90
47) 1,1-dichloropropene	11.566	75	142013	19.5060	ug/L		97
48) isobutyl alcohol	11.524	74	12682	189.0863	ug/L	#	41
49) carbon tetrachloride	11.587	117	137579	18.4695	ug/L		99
50) tert amyl alcohol	11.682	55	52397	83.1975	ug/L		94
53) n-butyl alcohol	12.243	56	393320	814.3215	ug/L		90
54) 2,2,4-trimethylpentane	11.891	57	262681	16.0666	ug/L		96
55) benzene	11.807	78	408675	19.0369	ug/L		99
56) tert-amyl methyl ether	11.876	87	70895	17.2992	ug/L		96
57) heptane	12.043	71	64803	18.1999	ug/L		92
58) isopropyl acetate	11.708	87	31831	19.4845	ug/L	#	91
59) 1,2-dichloroethane	11.834	62	144852	16.2677	ug/L		98
60) trichloroethene	12.494	130	101479	17.0849	ug/L		96
61) ethyl acrylate	12.468	55	190736	16.7084	ug/L		98
63) 2-chloroethyl vinyl ether	13.207	63	312669	94.5887	ug/L		98
64) methyl methacrylate	12.714	100	35425	17.2961	ug/L	#	88
65) 1,2-dichloropropane	12.762	63	107649	17.5374	ug/L		100
66) dibromomethane	12.867	93	70552	18.2478	ug/L		97
67) methylcyclohexane	12.767	83	148209	17.4884	ug/L		95
68) bromodichloromethane	13.003	83	141710	17.9321	ug/L		98
69) epichlorohydrin	13.291	57	98027	83.7194	ug/L		99
70) cis-1,3-dichloropropene	13.417	75	171730	18.2665	ug/L		96
71) 4-methyl-2-pentanone	13.501	58	243755	65.9895	ug/L	#	82
75) toluene	13.763	92	220582	18.1592	ug/L		99
76) trans-1,3-dichloropropene	13.926	75	150054	18.7341	ug/L		96
77) ethyl methacrylate	13.905	69	141895	17.9875	ug/L		96
78) 1,1,2-trichloroethane	14.130	83	81719	18.8855	ug/L		93
79) tetrachloroethene	14.272	164	76644	18.1543	ug/L		98
80) 1,3-dichloropropane	14.298	76	151224	19.8280	ug/L		99
81) 2-hexanone	14.266	58	247605	65.2000	ug/L	#	84
82) butyl acetate	14.329	56	91217	16.8837	ug/L		84
83) dibromochloromethane	14.523	129	104874	17.4122	ug/L		98
84) 1,2-dibromoethane	14.665	107	103604	18.7719	ug/L		100
85) n-butyl ether	15.032	57	378031	16.5455	ug/L		98
86) chlorobenzene	15.100	112	233944	17.5080	ug/L		96
87) 1,1,1,2-tetrachloroethane	15.152	131	84788	17.5766	ug/L		98
88) ethylbenzene	15.147	91	384088	17.6117	ug/L		100
89) m,p-xylene	15.252	106	294562	35.1113	ug/L		98
90) o-xylene	15.619	106	145922	17.7645	ug/L		96
91) styrene	15.630	104	229128	16.6170	ug/L		98
92) bromoform	15.850	173	76012	17.6730	ug/L		98
93) butyl acrylate	15.441	55	202362	15.6923	ug/L		97
94) isopropylbenzene	15.934	105	324699	17.0584	ug/L		97
95) cis-1,4-dichloro-2-butene	15.965	88	15313	6.1032	ug/L		96
98) bromobenzene	16.295	156	95245	18.7528	ug/L		93
99) 1,1,2,2-tetrachloroethane	16.185	83	130467	19.3913	ug/L		98
100) trans-1,4-dichloro-2-b...	16.206	53	16165	7.8948	ug/L		94
101) 1,2,3-trichloropropane	16.264	110	35618	19.7444	ug/L		97
102) n-propylbenzene	16.306	91	389456	18.3751	ug/L		98
103) 2-chlorotoluene	16.437	126	82557	18.0720	ug/L		98
104) 4-chlorotoluene	16.537	91	252447	18.1197	ug/L		97
105) 1,3,5-trimethylbenzene	16.447	105	259440	17.3810	ug/L		99
106) tert-butylbenzene	16.757	134	48506	17.5126	ug/L		96
107) 1,2,4-trimethylbenzene	16.804	105	265153	17.6261	ug/L		99
108) sec-butylbenzene	16.961	105	295503	17.0277	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137230.d
Acq On : 11 Jun 2024 10:35 am
Operator : nickw
Sample : bs Inst : GCMS4D
Misc : MS37615,V4D6056,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 11 18:19:00 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

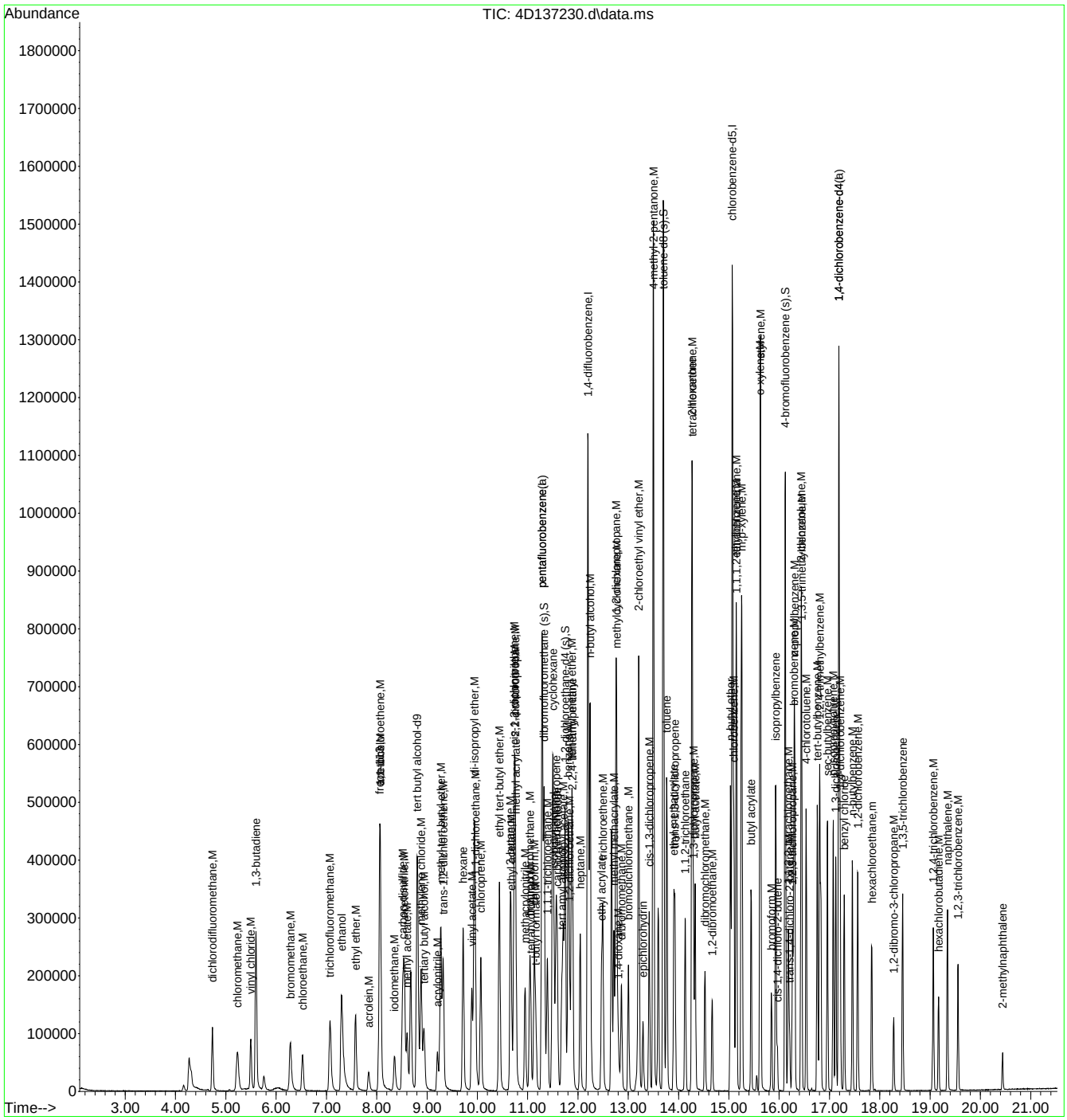
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	17.124	146	152354	17.3647	ug/L	98
110) p-isopropyltoluene	17.077	119	243949	16.9652	ug/L	99
111) 1,4-dichlorobenzene	17.213	146	151341	17.9155	ug/L	98
113) benzyl chloride	17.292	91	216794	18.8733	ug/L	100
114) 1,2-dichlorobenzene	17.564	146	144385	17.4409	ug/L	98
115) n-butylbenzene	17.454	92	111924	17.6553	ug/L	98
116) 1,2-dibromo-3-chloropr...	18.277	157	31867	17.2402	ug/L	95
117) 1,3,5-trichlorobenzene	18.456	180	98019	19.1508	ug/L	98
118) 1,2,4-trichlorobenzene	19.064	180	79927	17.9378	ug/L	97
119) hexachlorobutadiene	19.169	225	31965	18.3779	ug/L	96
120) naphthalene	19.347	128	221695	14.9892	ug/L	99
121) 1,2,3-trichlorobenzene	19.557	180	66062	16.6350	ug/L	96
122) hexachloroethane	17.842	201	41618	19.2066	ug/L	98
123) 2-methylnaphthalene	20.443	142	28085	4.4639	ug/L	96

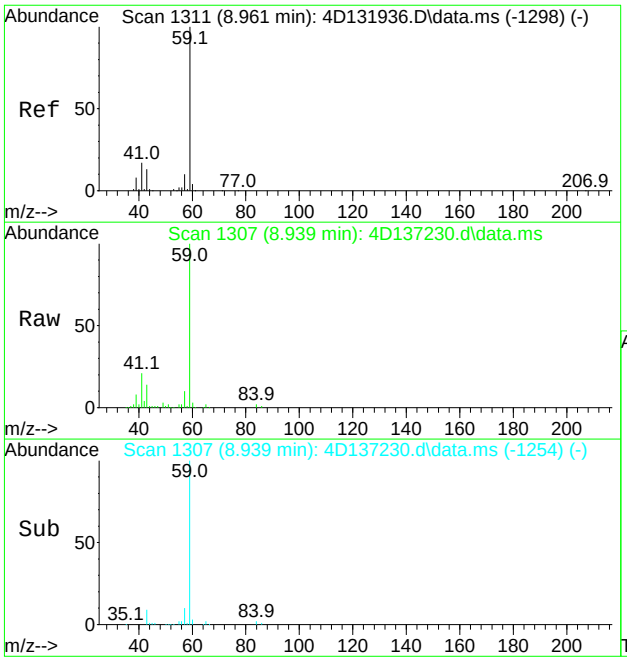
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137230.d
Acq On : 11 Jun 2024 10:35 am
Operator : nickw
Sample : bs Inst : GCMS4D
Misc : MS37615,V4D6056,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 11 18:19:00 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

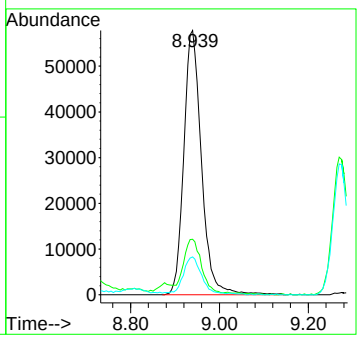


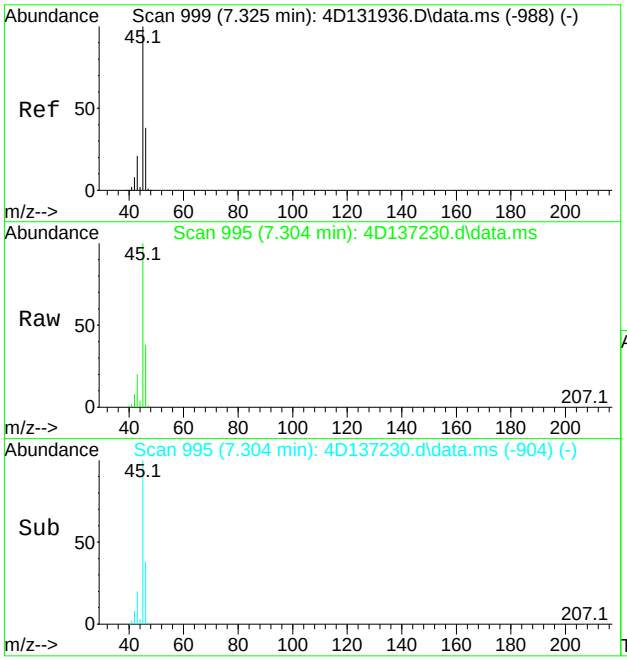


#2
tertiary butyl alcohol
Concen: 79.1667 ug/L
RT: 8.939 min Scan# 1307
Delta R.T. -0.022 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 59 Resp: 159943

Ion	Ratio	Lower	Upper
59	100		
41	21.0	0.0	49.8
43	14.3	0.0	43.7

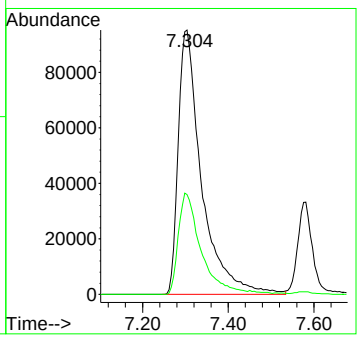


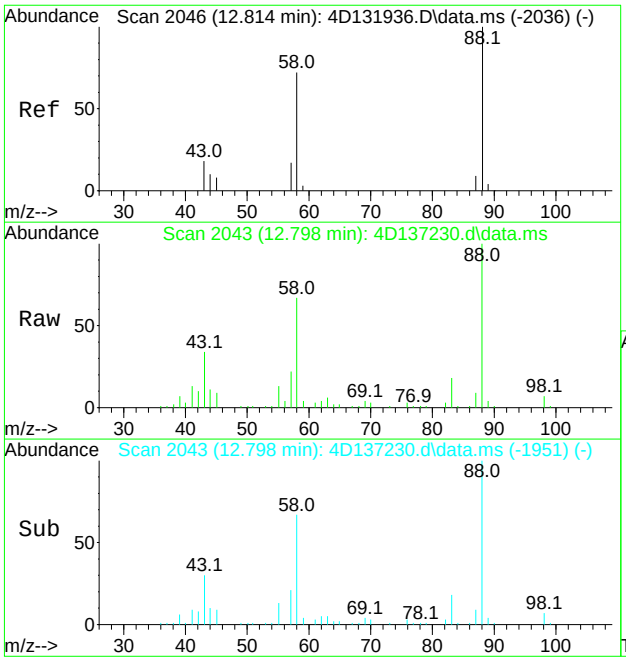


#3
ethanol
Concen: 1882.2831 ug/L
RT: 7.304 min Scan# 995
Delta R.T. -0.021 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 45 Resp: 361194

Ion	Ratio	Lower	Upper
45	100		
46	37.7	8.2	68.2

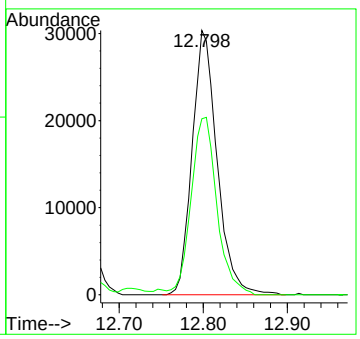


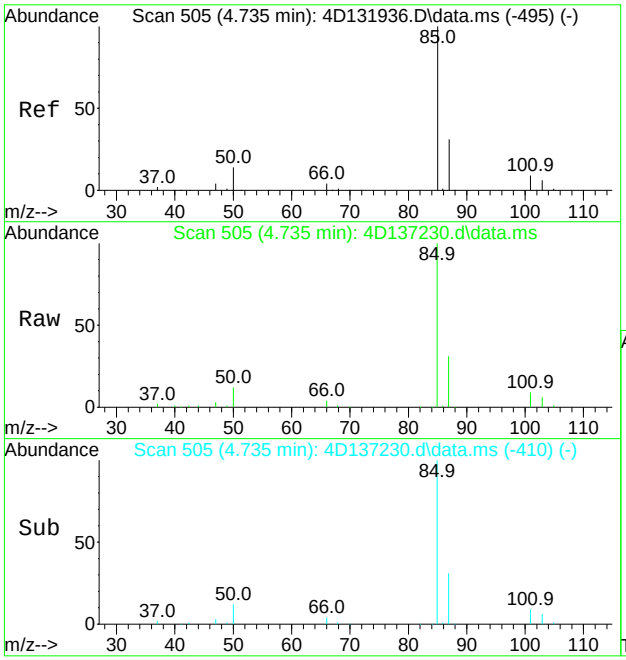


#4
1,4-dioxane
Concen: 491.4860 ug/L
RT: 12.798 min Scan# 2043
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 88 Resp: 62593

Ion	Ratio	Lower	Upper
88	100		
58	66.6	43.1	103.1

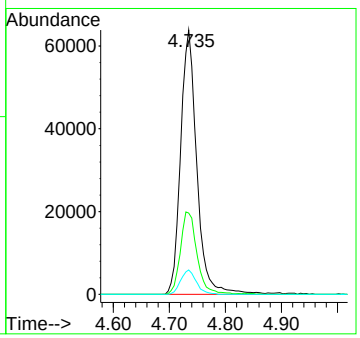


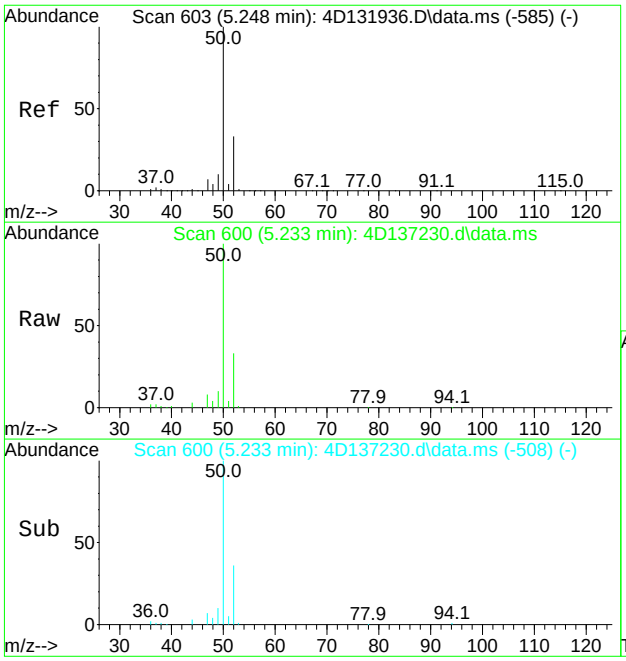


#7
dichlorodifluoromethane
Concen: 14.7605 ug/L
RT: 4.735 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 85 Resp: 128432

Ion	Ratio	Lower	Upper
85	100		
87	30.8	1.4	61.4
101	9.3	0.0	39.3

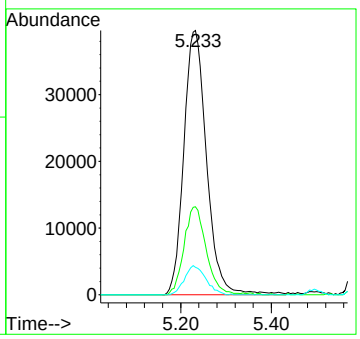


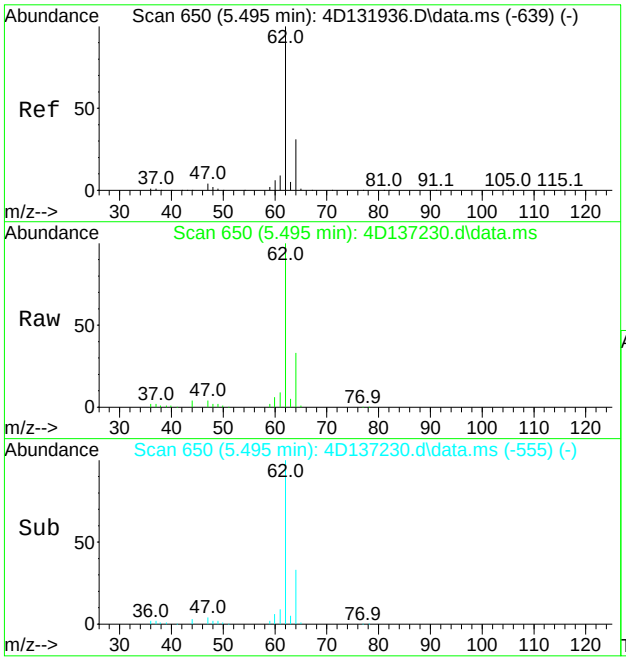


#8
chloromethane
Concen: 14.5730 ug/L
RT: 5.233 min Scan# 600
Delta R.T. -0.015 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 50 Resp: 138329

Ion	Ratio	Lower	Upper
50	100		
52	33.3	2.8	62.8
49	10.4	0.0	40.0

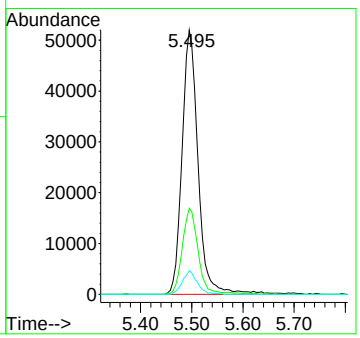


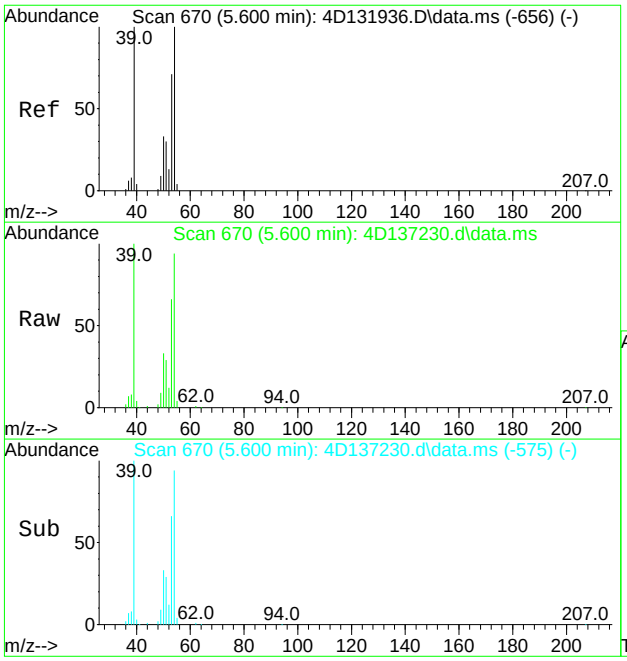


#9
vinyl chloride
Concen: 14.4448 ug/L
RT: 5.495 min Scan# 650
Delta R.T. -0.000 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 62 Resp: 113367

Ion	Ratio	Lower	Upper
62	100		
64	32.6	1.2	61.2
61	9.0	0.0	38.7

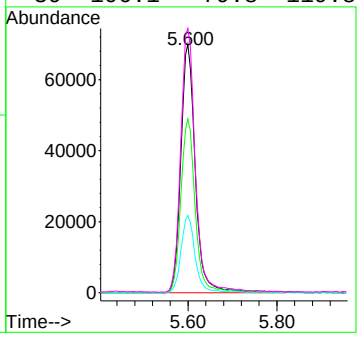


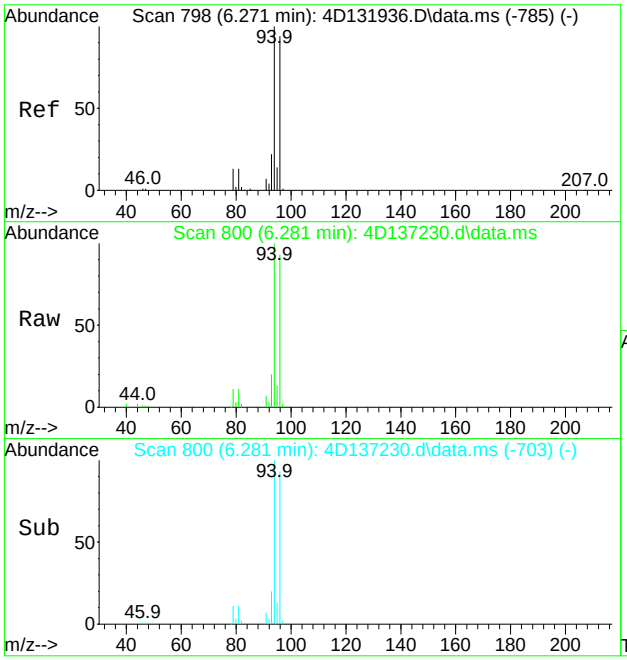


#10
1,3-butadiene
Concen: 25.5404 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 54 Resp: 159294

Ion	Ratio	Lower	Upper
54	100		
53	70.0	41.0	101.0
51	31.2	0.0	59.6
39	106.1	79.8	119.8

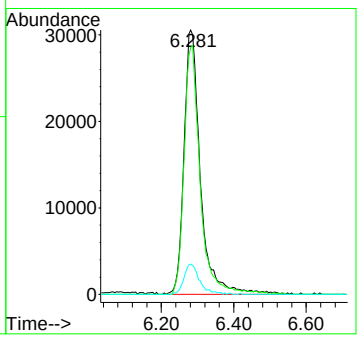


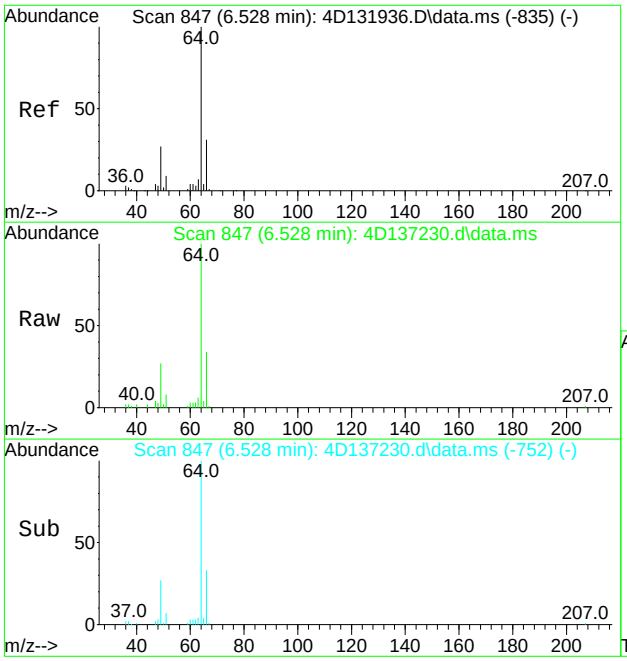


#11
bromomethane
Concen: 23.0409 ug/L
RT: 6.281 min Scan# 800
Delta R.T. 0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 94 Resp: 96347

Ion	Ratio	Lower	Upper
94	100		
96	93.3	63.6	123.6
79	11.4	0.0	43.4

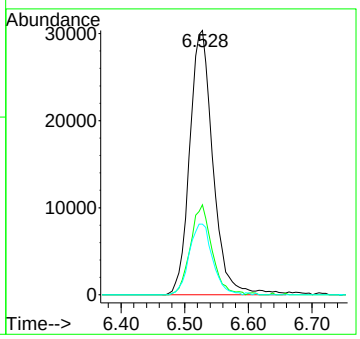


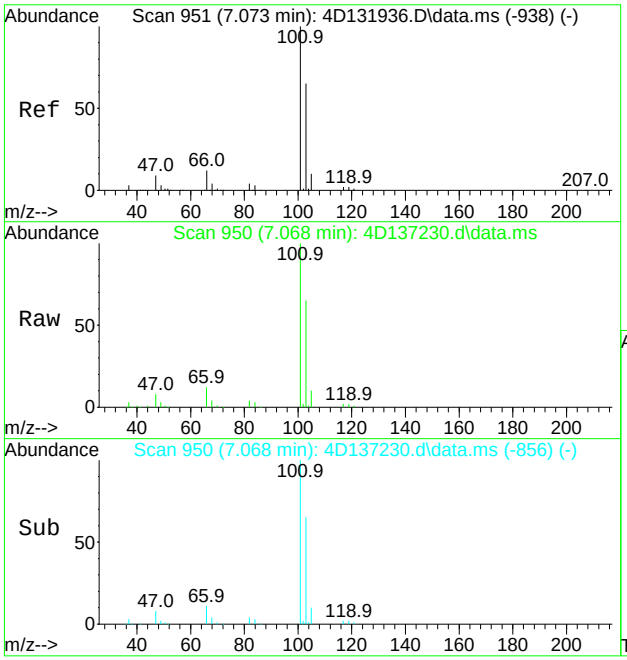


#12
chloroethane
Concen: 17.1031 ug/L
RT: 6.528 min Scan# 847
Delta R.T. -0.000 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 64 Resp: 77333

Ion	Ratio	Lower	Upper
64	100		
66	34.1	1.2	61.2
49	26.7	0.0	57.3

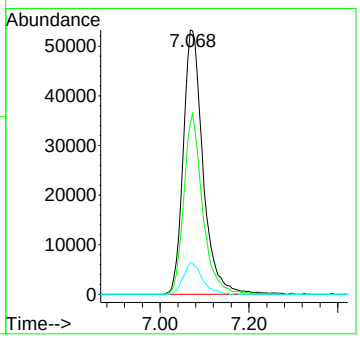


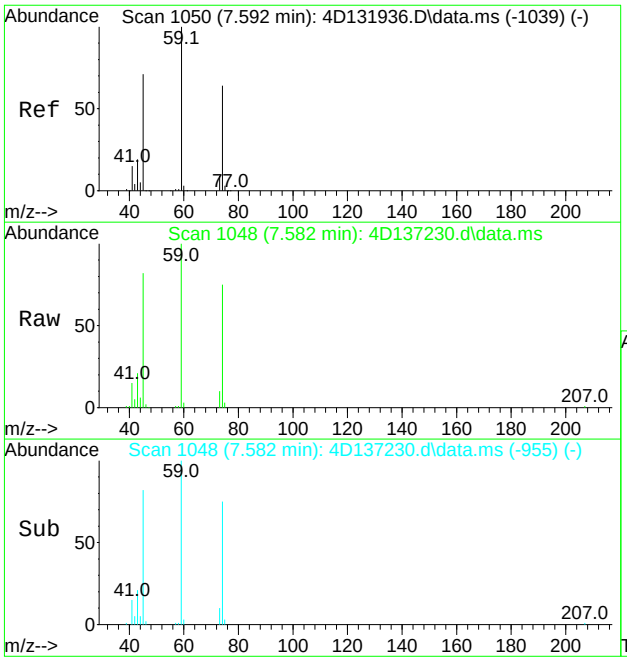


#13
trichlorofluoromethane
Concen: 17.7177 ug/L
RT: 7.068 min Scan# 950
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:101 Resp: 165082

Ion	Ratio	Lower	Upper
101	100		
103	64.9	35.1	95.1
66	12.0	0.0	42.2

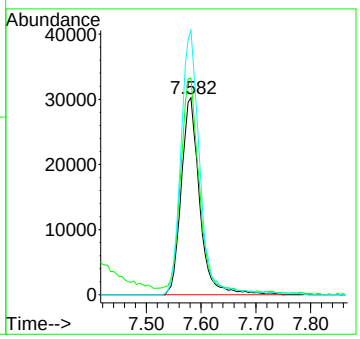


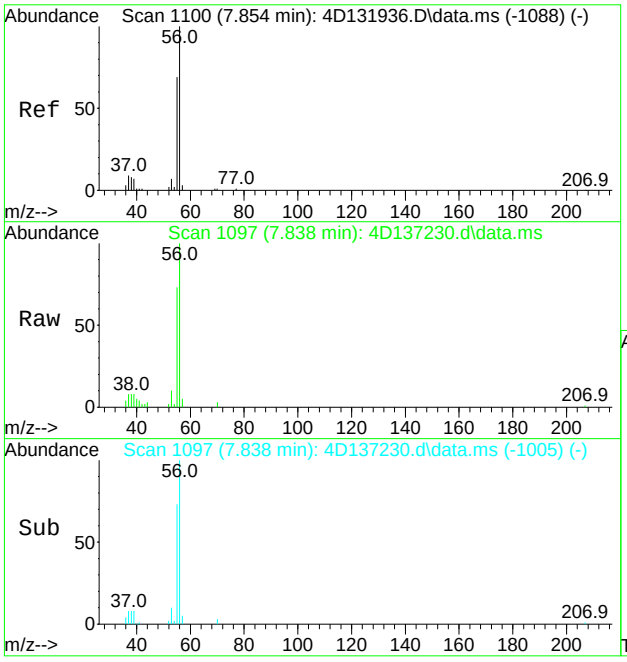


#14
ethyl ether
Concen: 21.9907 ug/L
RT: 7.582 min Scan# 1048
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 74 Resp: 70758

Ion	Ratio	Lower	Upper
74	100		
45	108.9	89.0	149.0
59	134.1	125.8	185.8

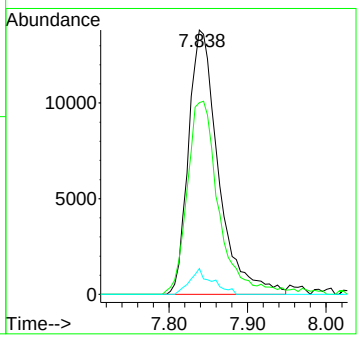


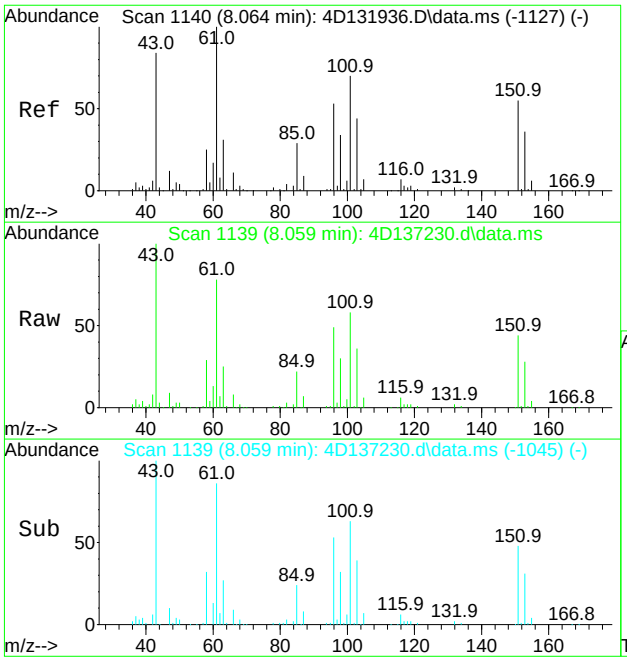


#15
acrolein
Concen: 19.2350 ug/L
RT: 7.838 min Scan# 1097
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 56 Resp: 36736

Ion	Ratio	Lower	Upper
56	100		
55	72.5	38.7	98.7
53	9.8	0.0	37.5

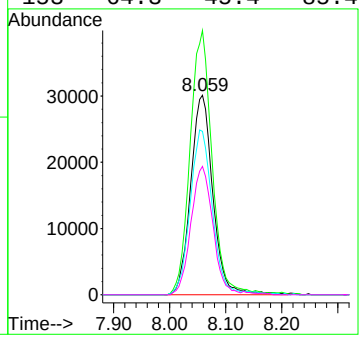


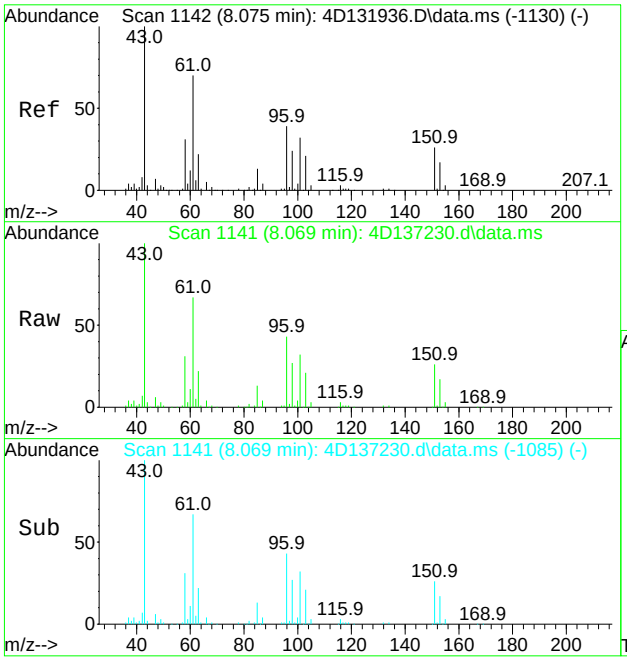


#16
freon 113
Concen: 19.8463 ug/L
RT: 8.059 min Scan# 1139
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:151 Resp: 83230

Ion	Ratio	Lower	Upper
151	100		
101	132.4	107.6	147.6
103	81.8	61.2	101.2
153	64.3	45.4	85.4

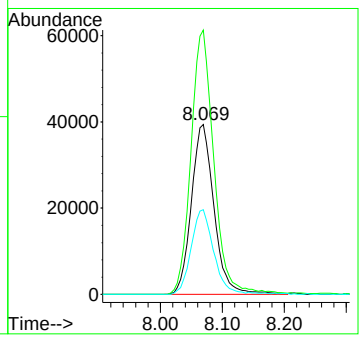


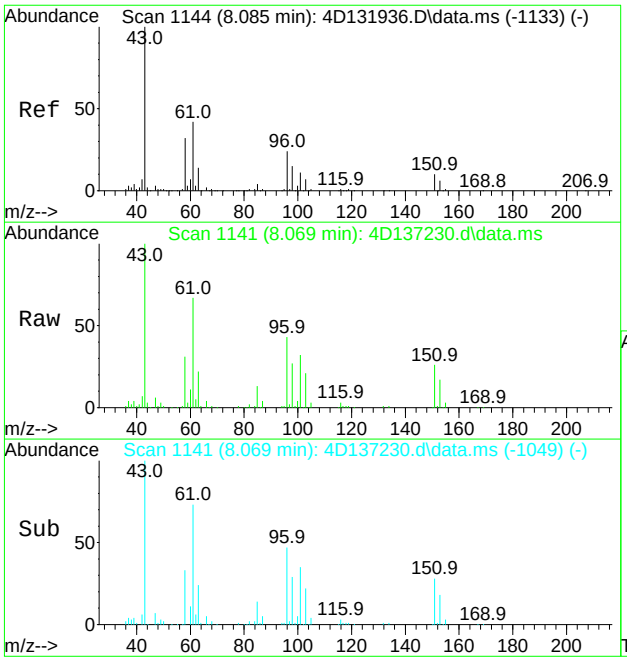


#17
1,1-dichloroethene
Concen: 21.0286 ug/L
RT: 8.069 min Scan# 1141
Delta R.T. -0.006 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 96 Resp: 100438

Ion	Ratio	Lower	Upper
96	100		
61	155.7	149.0	209.0
63	49.9	26.1	86.1

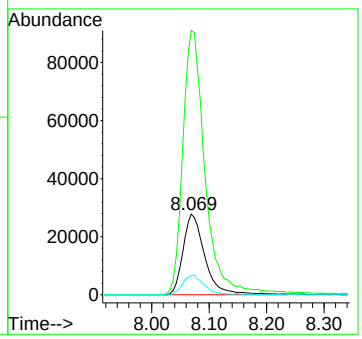


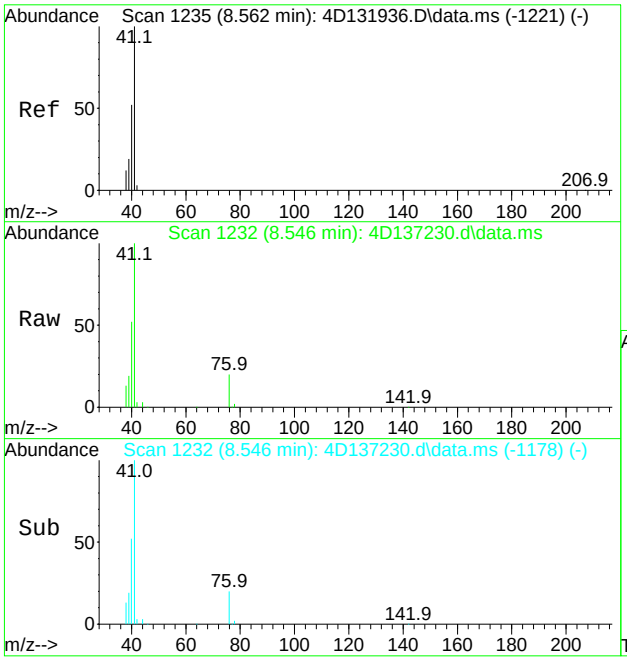


#18
acetone
Concen: 52.1709 ug/L
RT: 8.069 min Scan# 1141
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 58 Resp: 73733

Ion	Ratio	Lower	Upper
58	100		
43	326.4	285.1	345.1
42	23.9	0.0	53.5

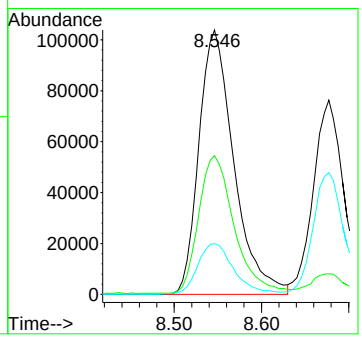


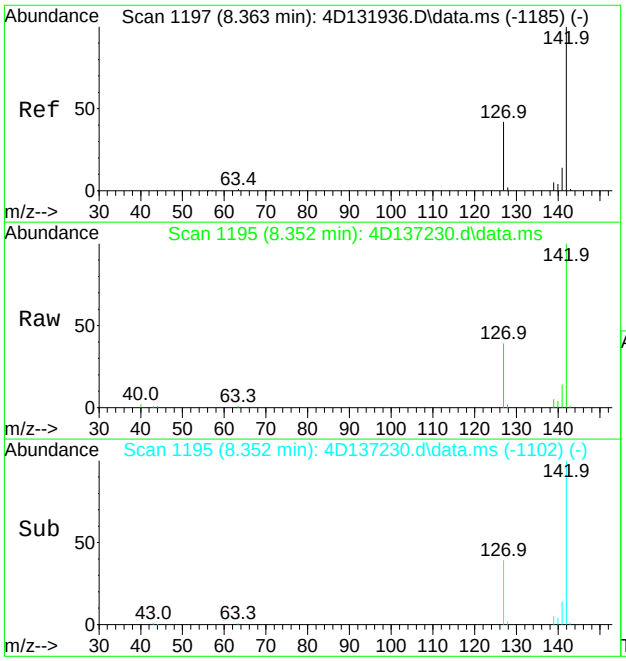


#19
acetonitrile
Concen: 206.3880 ug/L
RT: 8.546 min Scan# 1232
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 41 Resp: 289246

Ion	Ratio	Lower	Upper
41	100		
40	52.0	22.4	82.4
39	19.0	0.0	49.2

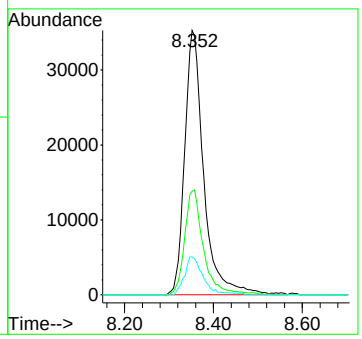


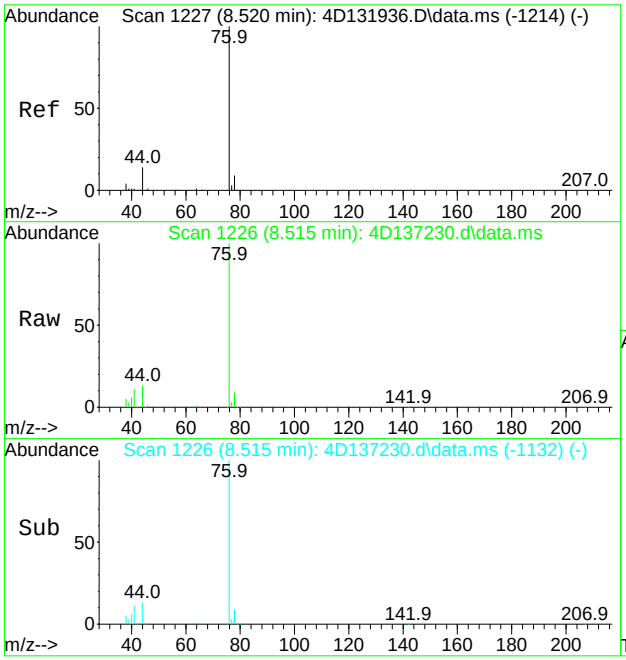


#20
iodomethane
Concen: 15.7535 ug/L
RT: 8.352 min Scan# 1195
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:142 Resp: 105251

Ion	Ratio	Lower	Upper
142	100		
127	39.2	11.7	71.7
141	14.3	0.0	44.4

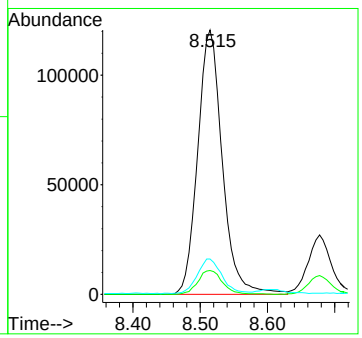


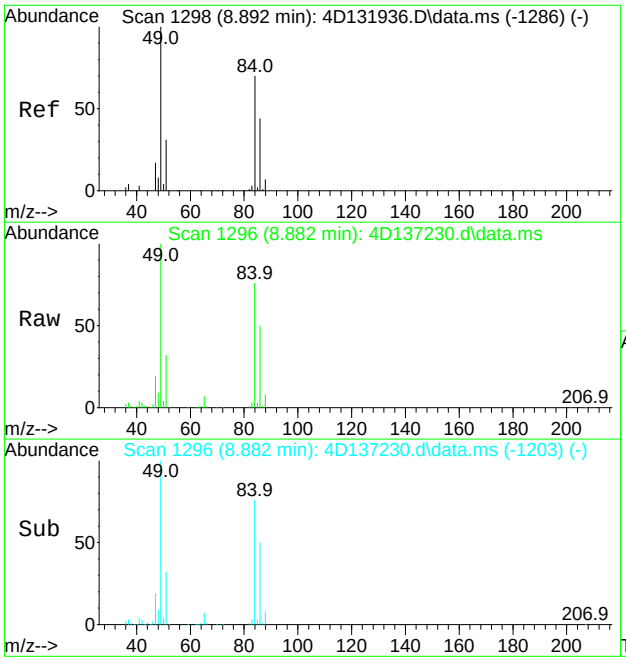


#21
carbon disulfide
Concen: 20.6797 ug/L
RT: 8.515 min Scan# 1226
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 76 Resp: 306982

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	39.2
44	12.9	0.0	44.4

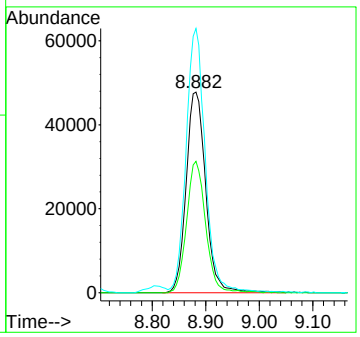


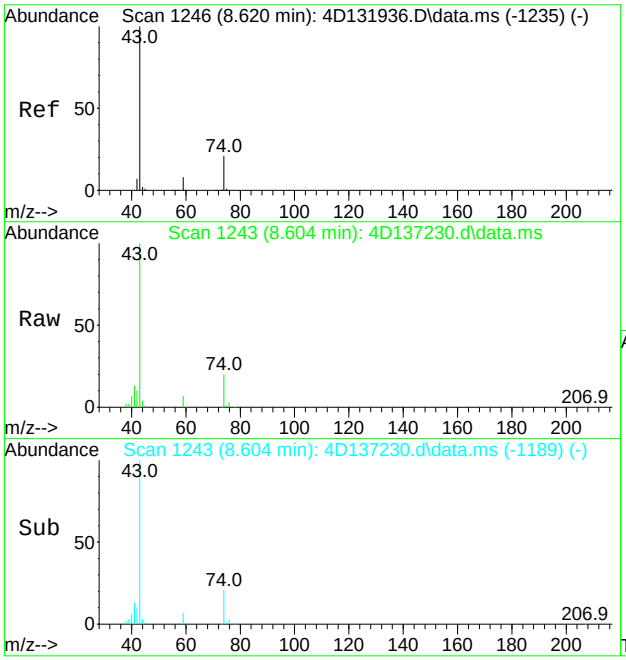


#22
methylene chloride
Concen: 19.2583 ug/L
RT: 8.882 min Scan# 1296
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 84 Resp: 122146

Ion	Ratio	Lower	Upper
84	100		
86	65.6	33.7	93.7
49	131.3	114.9	174.9

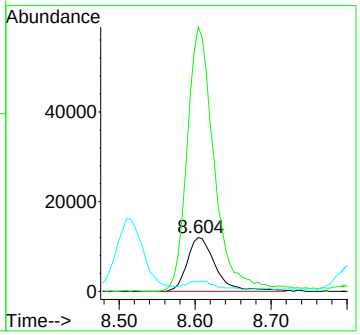


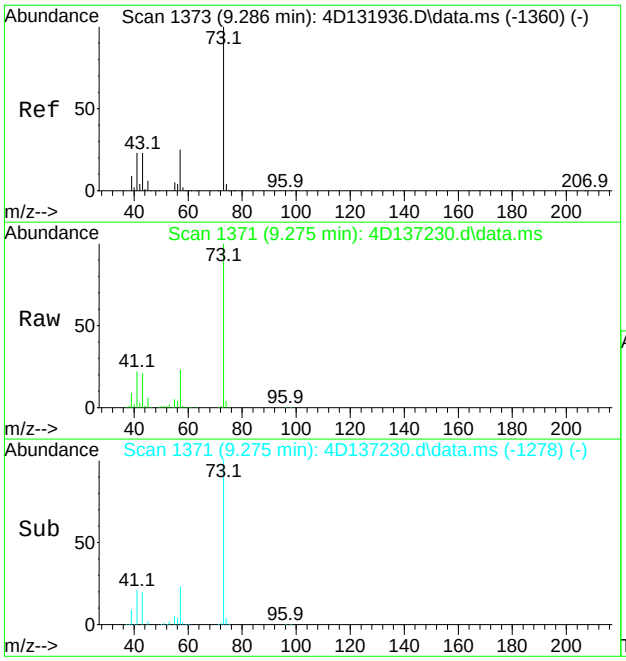


#23
methyl acetate
Concen: 20.9960 ug/L
RT: 8.604 min Scan# 1243
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 74 Resp: 31165

Ion	Ratio	Lower	Upper
74	100		
43	490.2	453.1	513.1
44	13.1	0.0	45.1

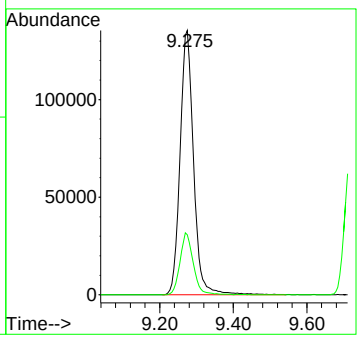


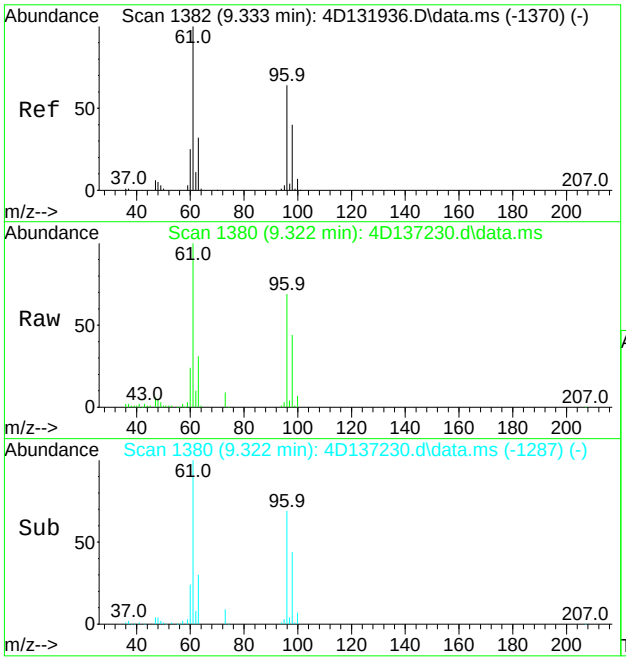


#24
methyl tert butyl ether
Concen: 19.4080 ug/L
RT: 9.275 min Scan# 1371
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 73 Resp: 345165

Ion	Ratio	Lower	Upper
73	100		
57	22.7	0.0	224.6

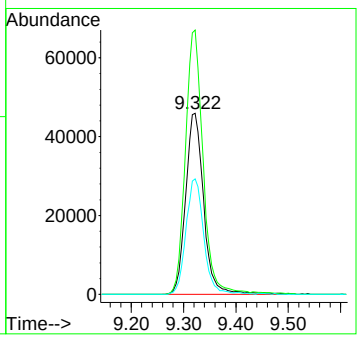


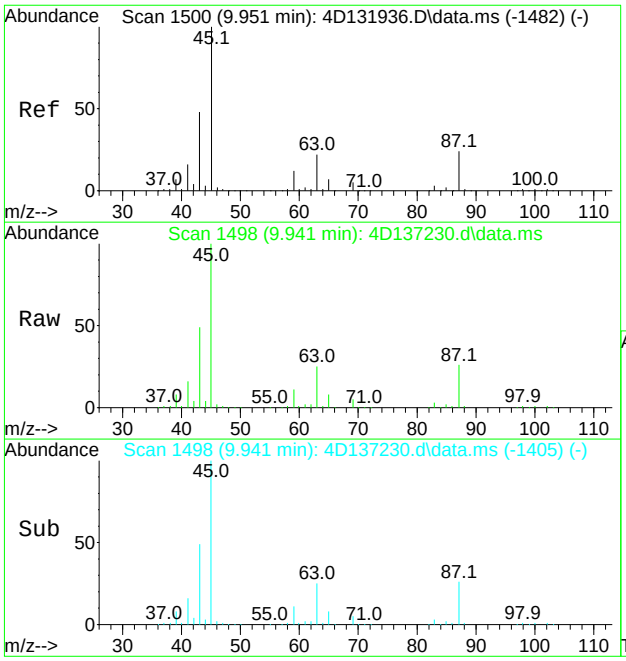


#25
trans-1,2-dichloroethene
Concen: 20.4629 ug/L
RT: 9.322 min Scan# 1380
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 96 Resp: 110214

Ion	Ratio	Lower	Upper
96	100		
61	146.0	126.5	186.5
98	63.8	33.3	93.3

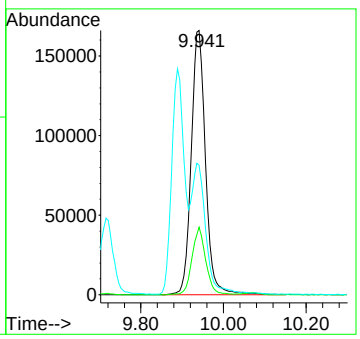


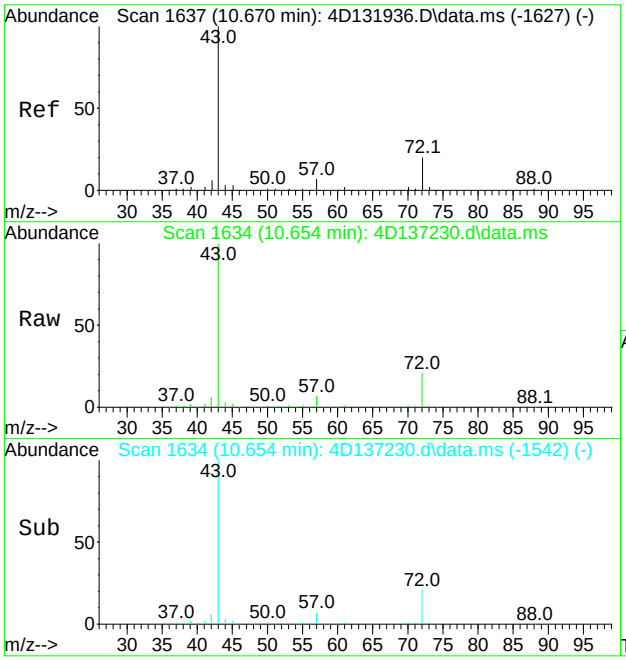


#26
di-isopropyl ether
Concen: 18.8858 ug/L
RT: 9.941 min Scan# 1498
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 45 Resp: 400090

Ion	Ratio	Lower	Upper
45	100		
87	25.6	0.0	54.4
43	48.7	18.8	78.8

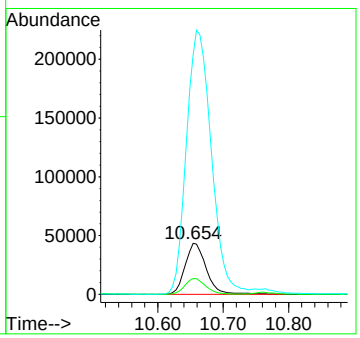


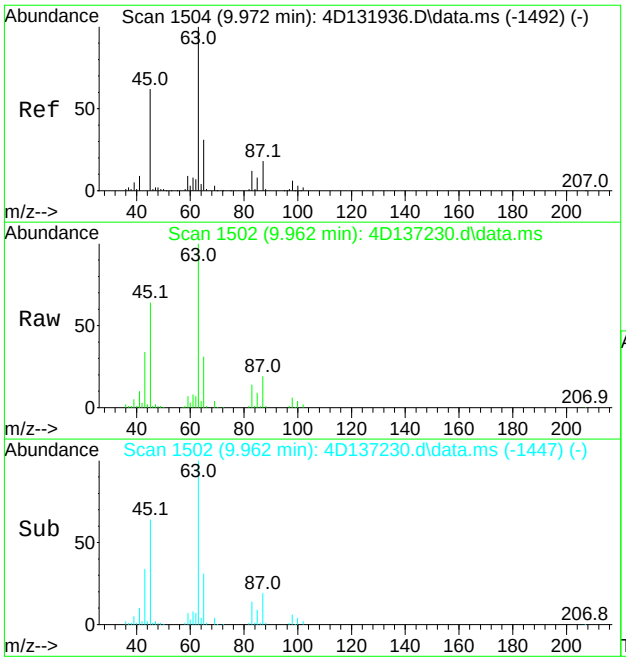


#27
2-butanone
Concen: 76.5511 ug/L
RT: 10.654 min Scan# 1634
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 72 Resp: 98377

Ion	Ratio	Lower	Upper
72	100		
57	30.6	3.7	63.7
43	469.4	475.8	535.8#

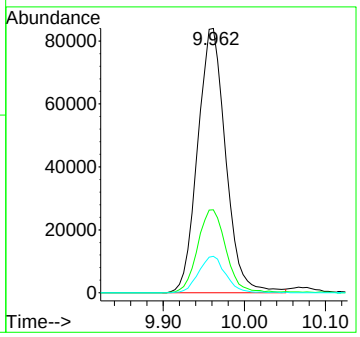


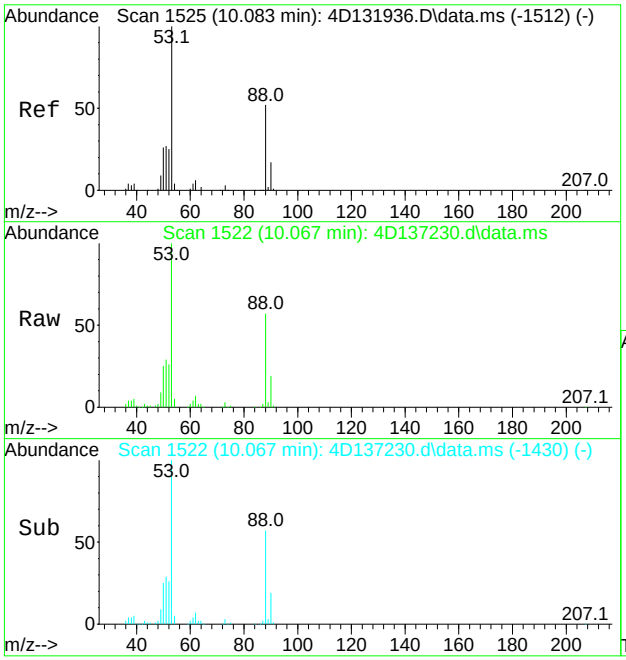


#28
1,1-dichloroethane
Concen: 18.5004 ug/L
RT: 9.962 min Scan# 1502
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 63 Resp: 201502

Ion	Ratio	Lower	Upper
63	100		
65	31.4	0.9	60.9
83	13.8	0.0	42.3

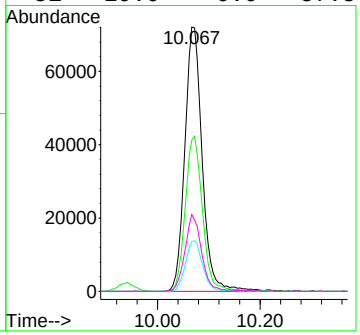


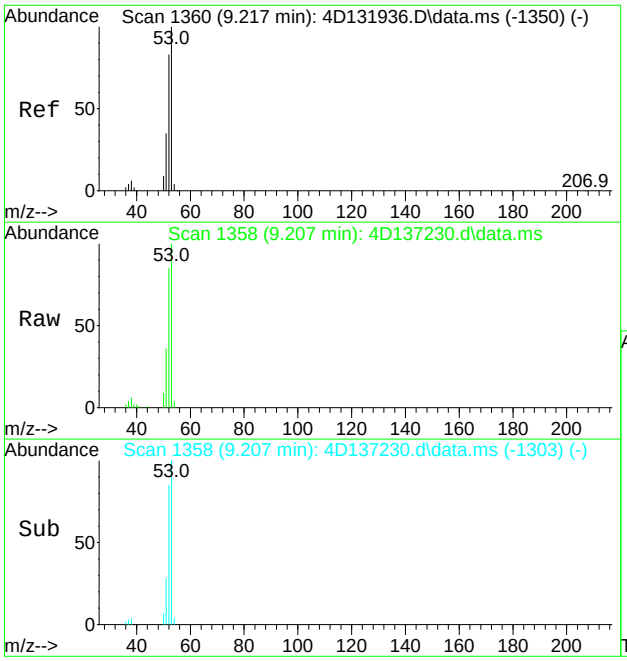


#29
chloroprene
Concen: 17.2858 ug/L
RT: 10.067 min Scan# 1522
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 53 Resp: 170609

Ion	Ratio	Lower	Upper
53	100		
88	57.1	21.8	81.8
90	18.9	0.0	47.2
51	29.0	0.0	57.5

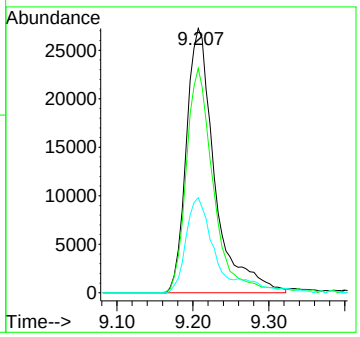


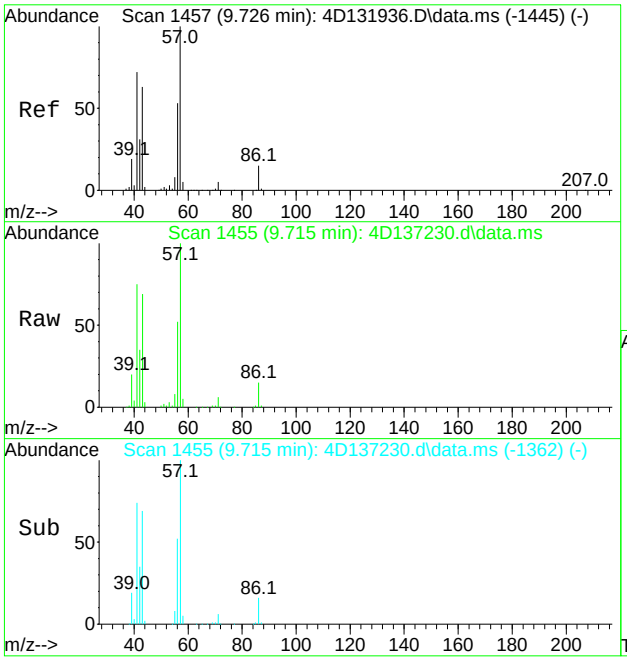


#30
acrylonitrile
Concen: 19.1817 ug/L
RT: 9.207 min Scan# 1358
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 53 Resp: 70921

Ion	Ratio	Lower	Upper
53	100		
52	84.9	53.4	113.4
51	35.9	5.0	65.0

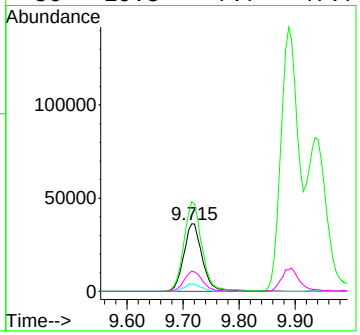


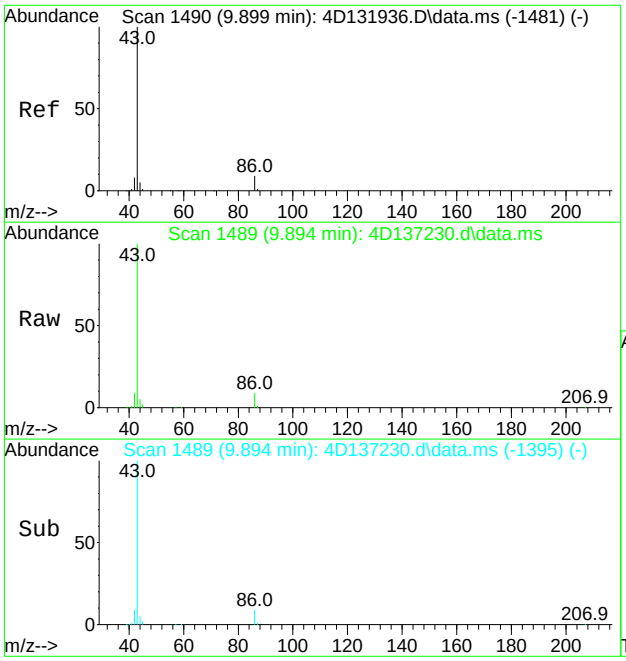


#31
hexane
Concen: 16.4381 ug/L
RT: 9.715 min Scan# 1455
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 56 Resp: 83375

Ion	Ratio	Lower	Upper
56	100		
43	133.0	98.5	138.5
71	11.1	0.0	30.3
86	29.8	7.7	47.7

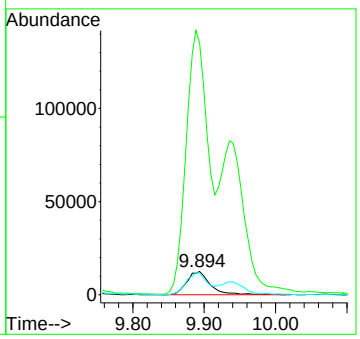


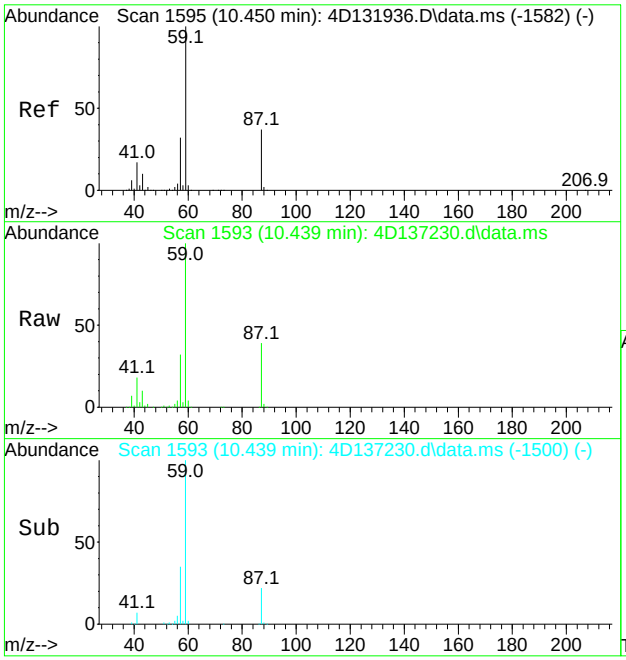


#32
vinyl acetate
Concen: 23.3000 ug/L
RT: 9.894 min Scan# 1489
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 86 Resp: 28864

Ion	Ratio	Lower	Upper
86	100		
43	1071.4	1142.7	1202.7#
42	92.6	69.4	129.4

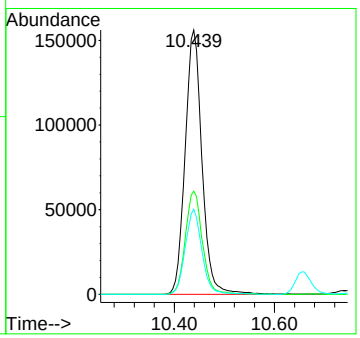


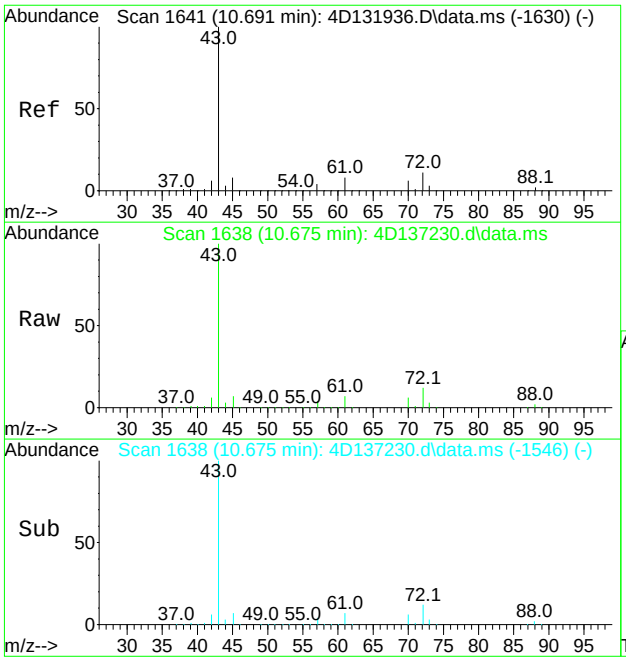


#33
ethyl tert-butyl ether
Concen: 17.3210 ug/L
RT: 10.439 min Scan# 1593
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 59 Resp: 365265

Ion	Ratio	Lower	Upper
59	100		
87	39.0	6.6	66.6
57	32.3	2.2	62.2

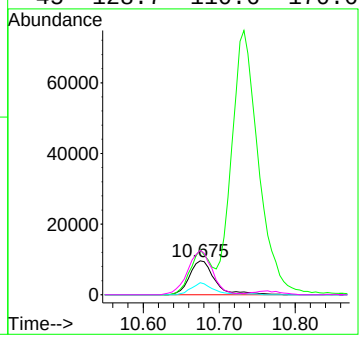


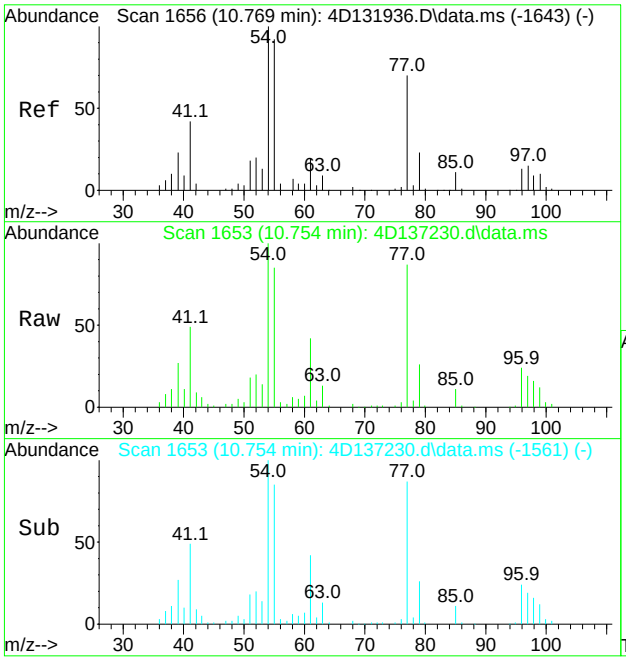


#34
ethyl acetate
Concen: 18.3135 ug/L
RT: 10.675 min Scan# 1638
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 70 Resp: 22382

Ion	Ratio	Lower	Upper
70	100		
61	133.3	108.4	168.4
88	35.9	5.9	65.9
45	128.7	110.6	170.6

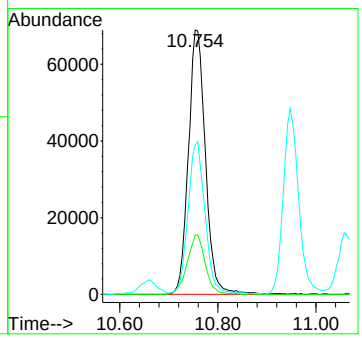


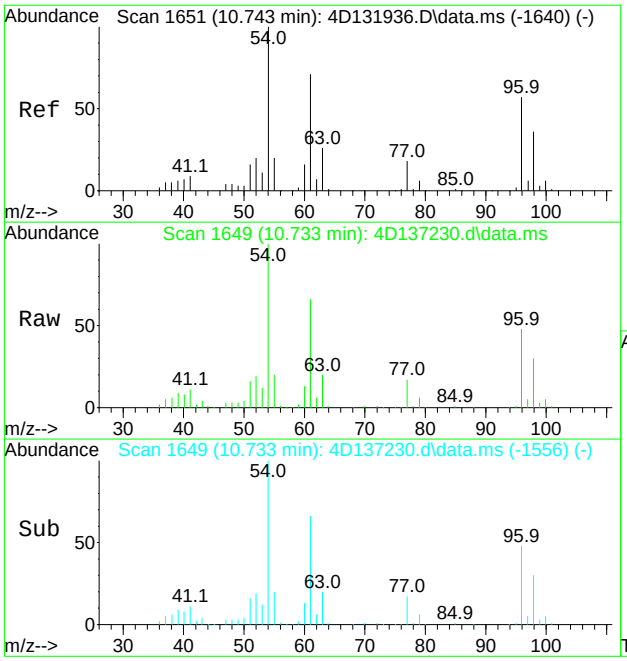


#35
2,2-dichloropropane
Concen: 19.5668 ug/L
RT: 10.754 min Scan# 1653
Delta R.T. -0.015 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 77 Resp: 167000

Ion	Ratio	Lower	Upper
77	100		
97	22.4	0.0	51.9
41	55.3	29.6	89.6

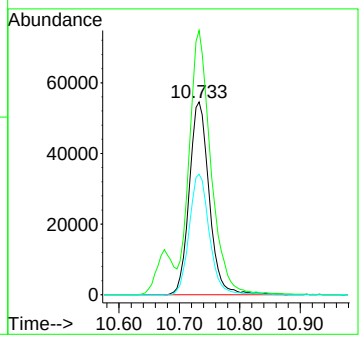


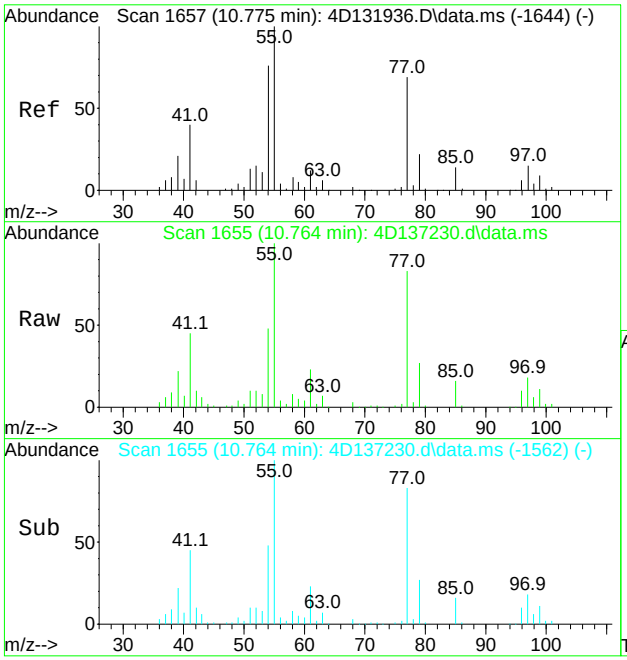


#36
cis-1,2-dichloroethene
Concen: 19.9407 ug/L
RT: 10.733 min Scan# 1649
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 96 Resp: 125302

Ion	Ratio	Lower	Upper
96	100		
61	136.8	119.6	179.6
98	62.5	34.3	94.3

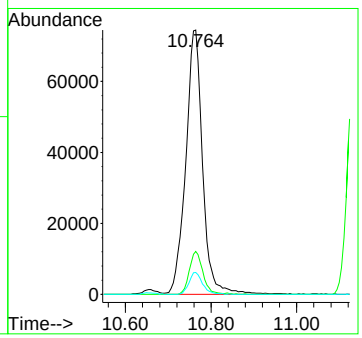


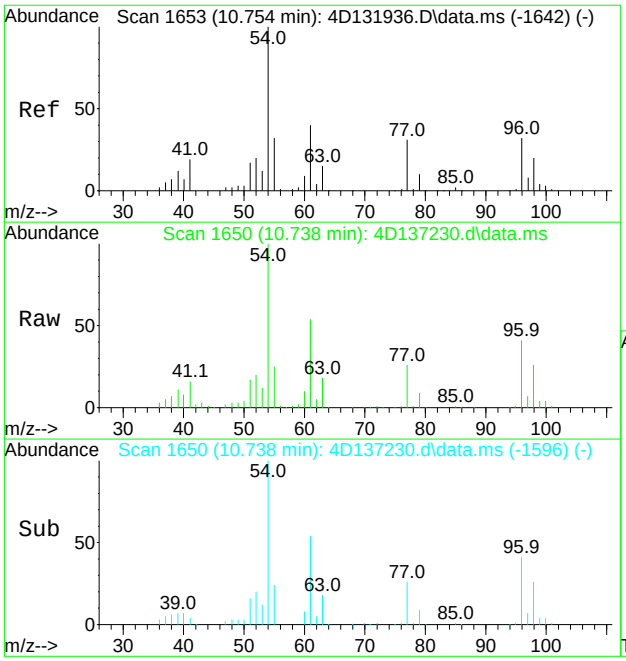


#37
methyl acrylate
Concen: 18.1575 ug/L
RT: 10.764 min Scan# 1655
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 55 Resp: 204279

Ion	Ratio	Lower	Upper
55	100		
85	16.2	0.0	43.7
58	8.2	0.0	38.0

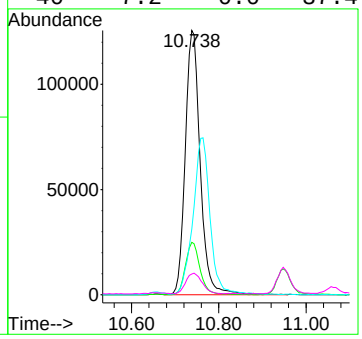


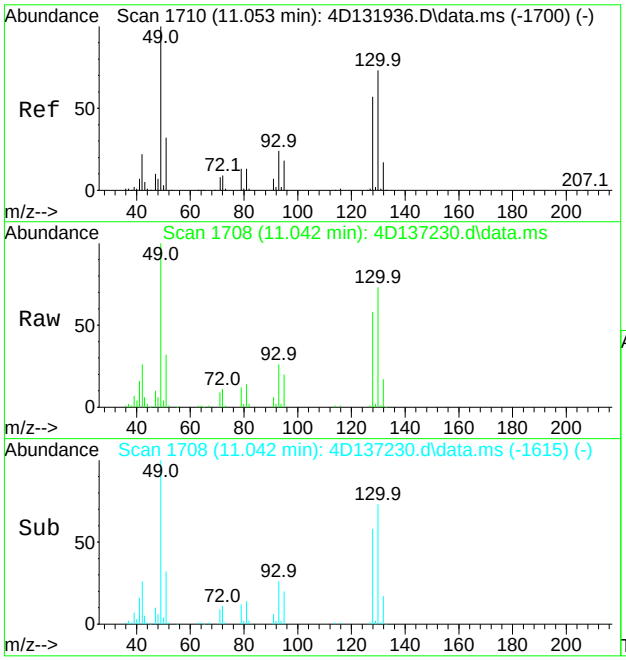


#38
propionitrile
Concen: 181.8383 ug/L
RT: 10.738 min Scan# 1650
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 54 Resp: 298527

Ion	Ratio	Lower	Upper
54	100		
52	19.7	0.0	49.8
55	24.7	2.6	62.6
40	7.2	0.0	37.4

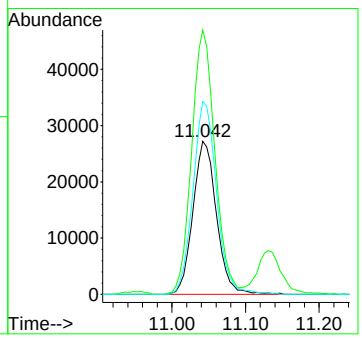


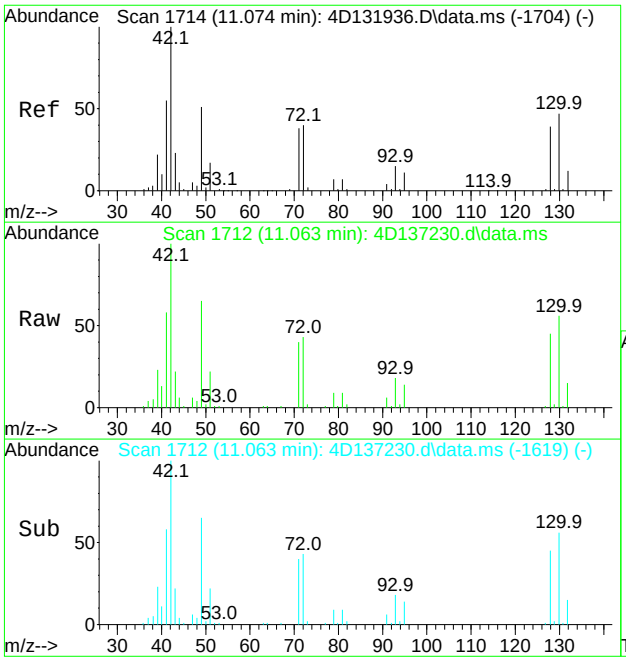


#39
bromochloromethane
Concen: 19.3176 ug/L
RT: 11.042 min Scan# 1708
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:128 Resp: 60675

Ion	Ratio	Lower	Upper
128	100		
49	172.6	145.9	205.9
130	125.9	97.8	157.8

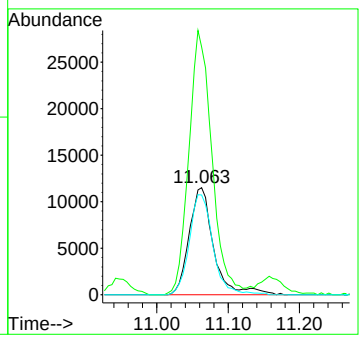


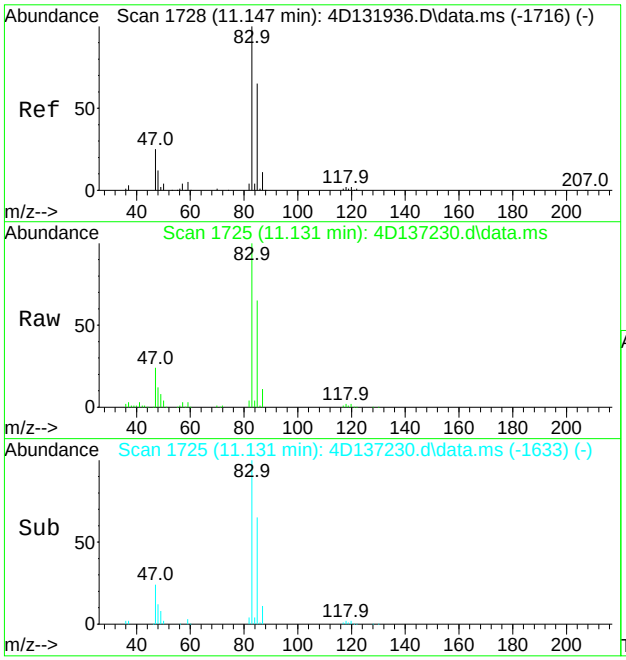


#40
tetrahydrofuran
Concen: 20.7173 ug/L
RT: 11.063 min Scan# 1712
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 72 Resp: 27516

Ion	Ratio	Lower	Upper
72	100		
42	231.2	219.9	279.9
71	93.1	66.1	126.1

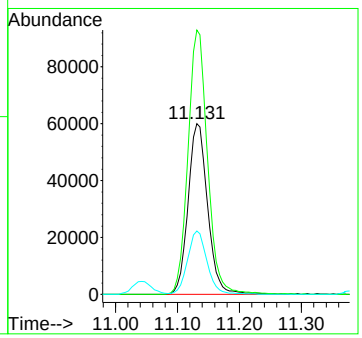


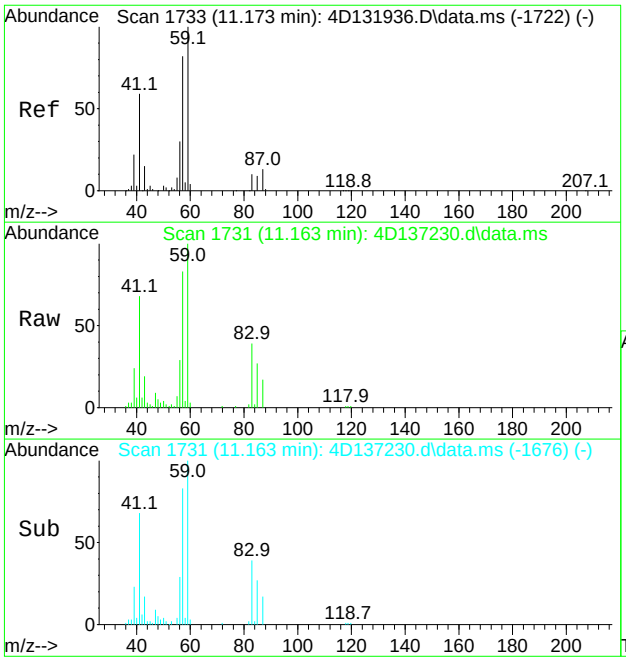


#41
chloroform
Concen: 20.6461 ug/L
RT: 11.131 min Scan# 1725
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 85 Resp: 132110

Ion	Ratio	Lower	Upper
85	100		
83	155.0	123.5	183.5
47	37.2	9.8	69.8

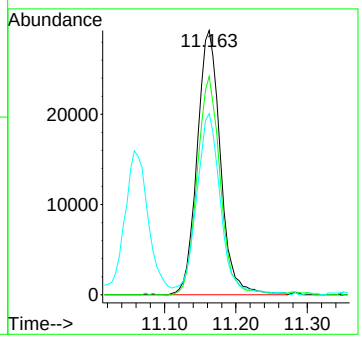


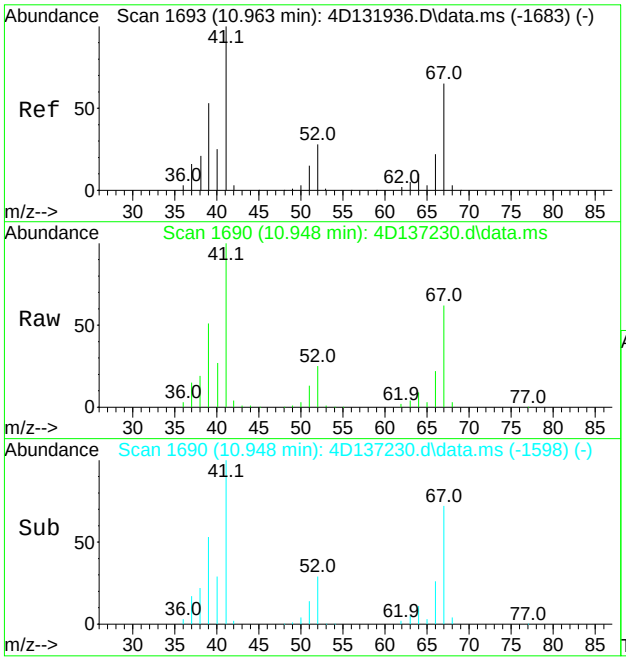


#42
t-butyl formate
Concen: 24.2047 ug/L
RT: 11.163 min Scan# 1731
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 59 Resp: 66530

Ion	Ratio	Lower	Upper
59	100		
57	82.5	51.8	111.8
41	67.9	32.4	92.4

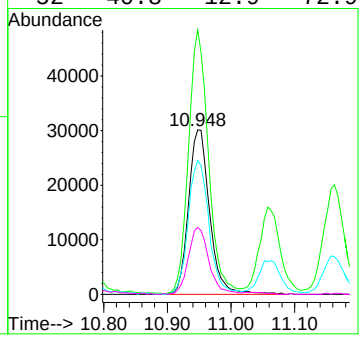


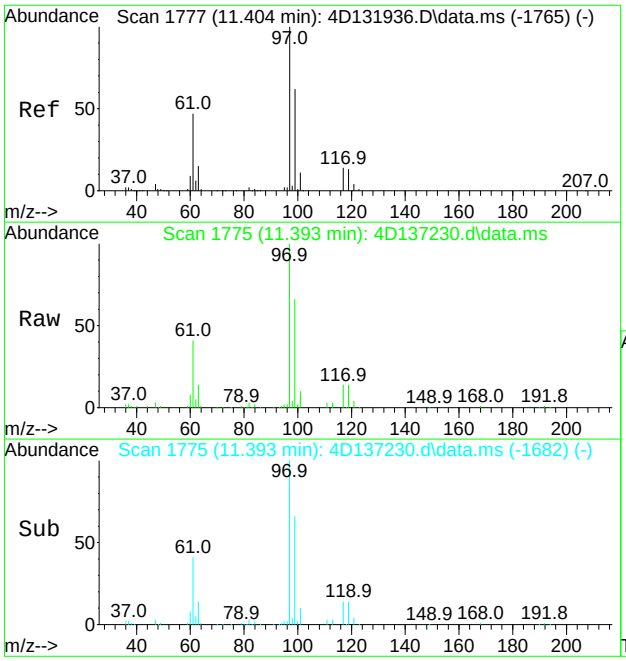


#44
methacrylonitrile
Concen: 19.5927 ug/L
RT: 10.948 min Scan# 1690
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 67 Resp: 69370

Ion	Ratio	Lower	Upper
67	100		
41	160.7	123.0	183.0
39	81.3	50.9	110.9
52	40.8	12.9	72.9

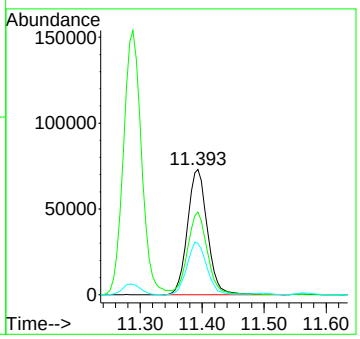


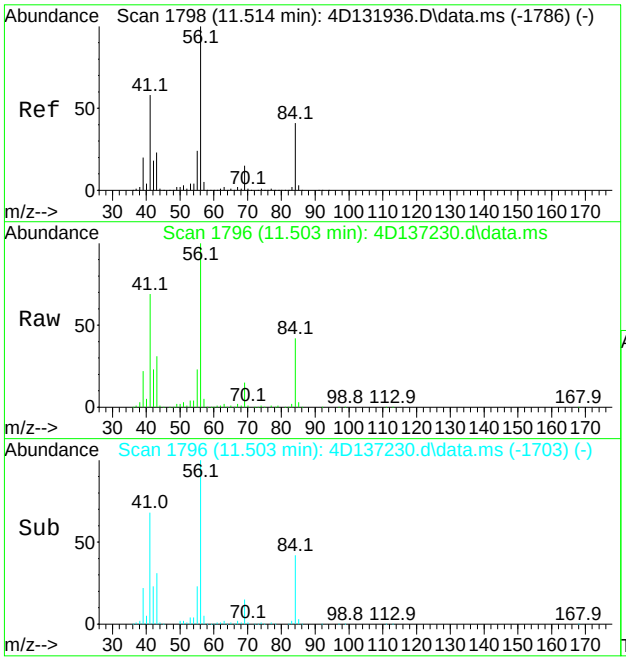


#45
1,1,1-trichloroethane
Concen: 18.8734 ug/L
RT: 11.393 min Scan# 1775
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 97 Resp: 163291

Ion	Ratio	Lower	Upper
97	100		
99	65.7	34.4	94.4
61	41.0	16.6	76.6

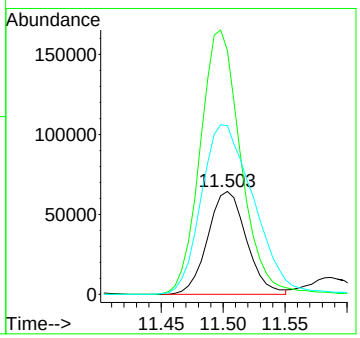


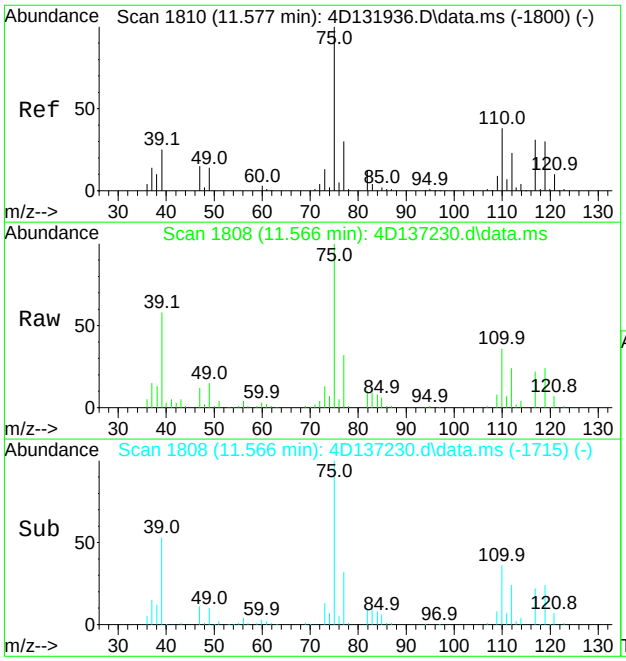


#46
cyclohexane
Concen: 17.9966 ug/L
RT: 11.503 min Scan# 1796
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 84 Resp: 140299

Ion	Ratio	Lower	Upper
84	100		
56	236.2	225.3	265.3
41	163.2	121.5	161.5#

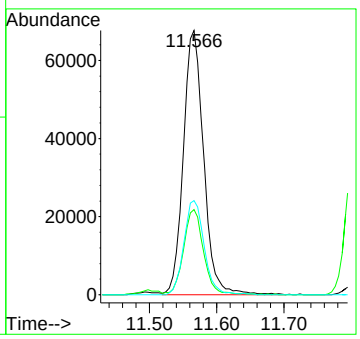


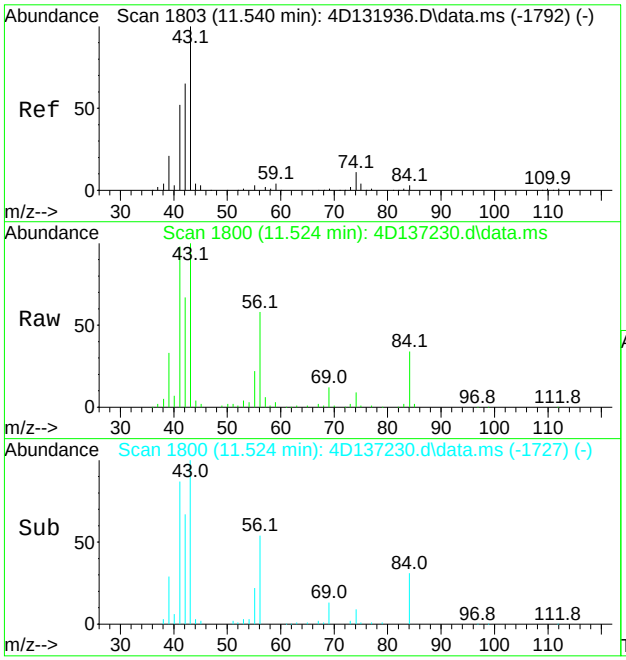


#47
1,1-dichloropropene
Concen: 19.5060 ug/L
RT: 11.566 min Scan# 1808
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 75 Resp: 142013

Ion	Ratio	Lower	Upper
75	100		
77	32.2	11.0	51.0
110	35.6	17.6	57.6

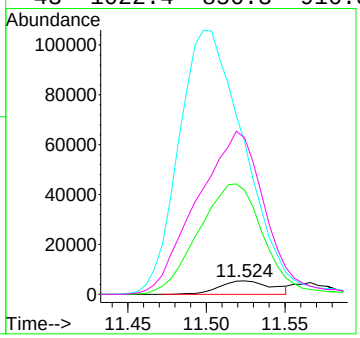


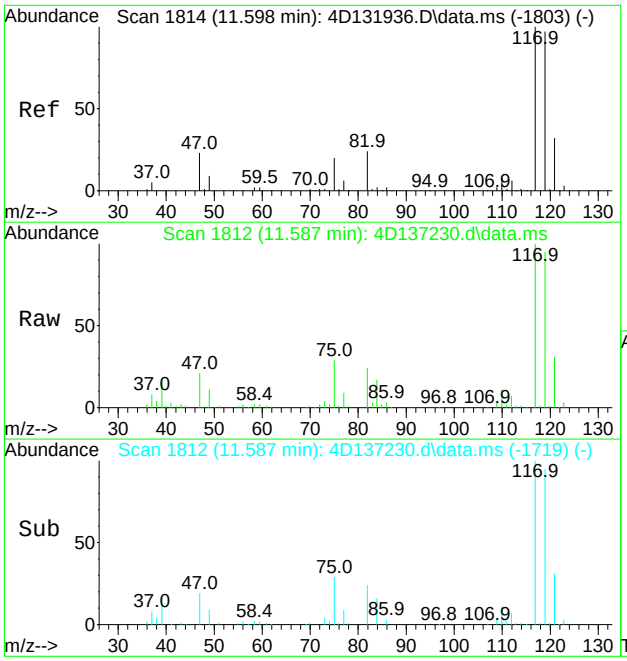


#48
isobutyl alcohol
Concen: 189.0863 ug/L
RT: 11.524 min Scan# 1800
Delta R.T. -0.016 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 74 Resp: 12682

Ion	Ratio	Lower	Upper
74	100		
42	715.5	546.1	606.1#
41	973.1	593.5	653.5#
43	1022.4	856.3	916.3#

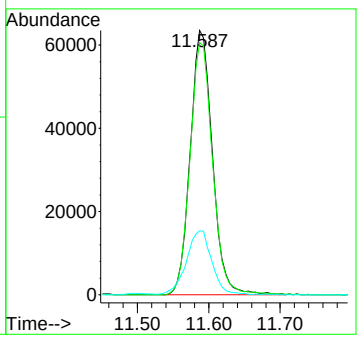


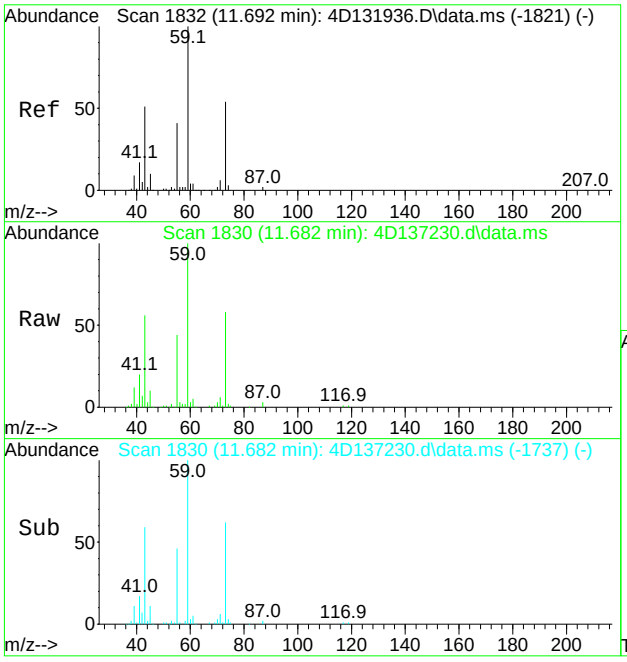


#49
carbon tetrachloride
Concen: 18.4695 ug/L
RT: 11.587 min Scan# 1812
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:117 Resp: 137579

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.2	117.2
82	24.2	4.2	44.2

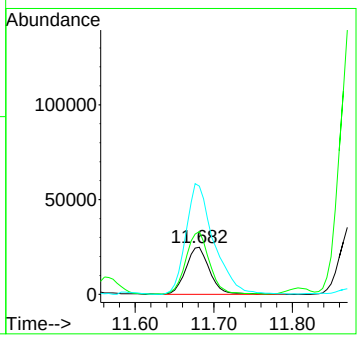


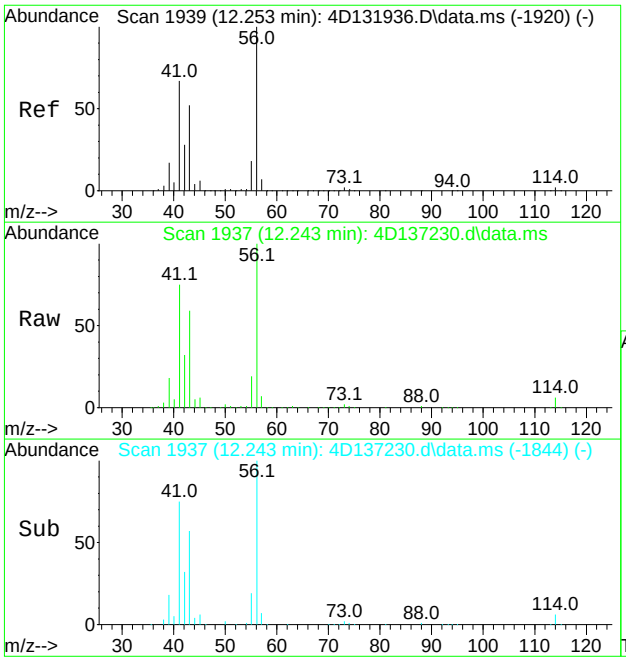


#50
tert amyl alcohol
Concen: 83.1975 ug/L
RT: 11.682 min Scan# 1830
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 55 Resp: 52397

Ion	Ratio	Lower	Upper
55	100		
73	132.4	100.3	160.3
59	229.3	213.3	273.3

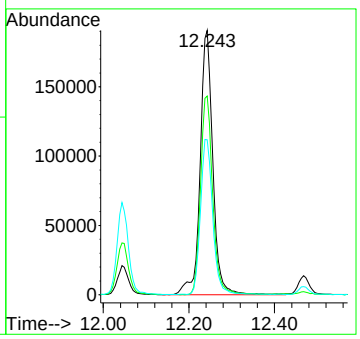


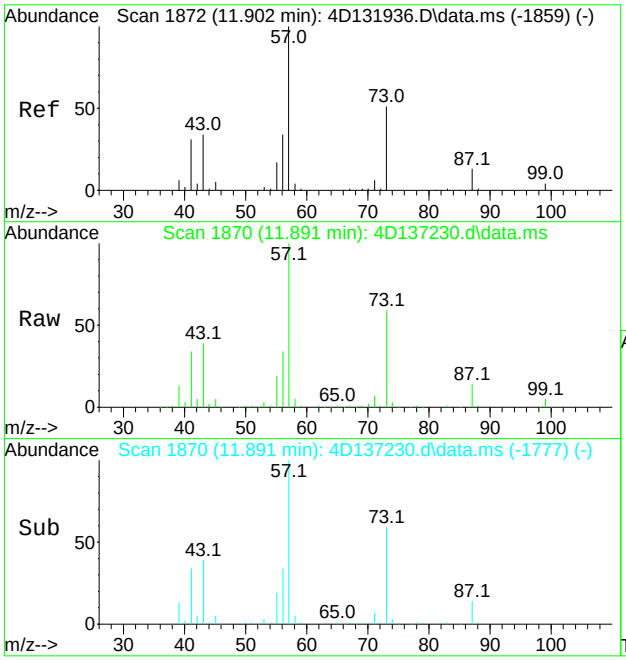


#53
n-butyl alcohol
Concen: 814.3215 ug/L
RT: 12.243 min Scan# 1937
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 56 Resp: 393320

Ion	Ratio	Lower	Upper
56	100		
41	75.0	36.6	96.6
43	58.5	22.4	82.4

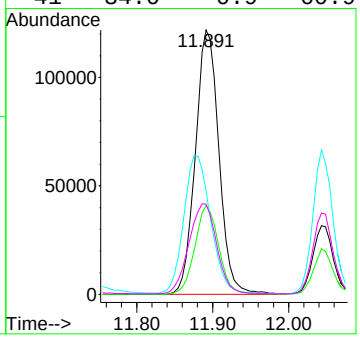


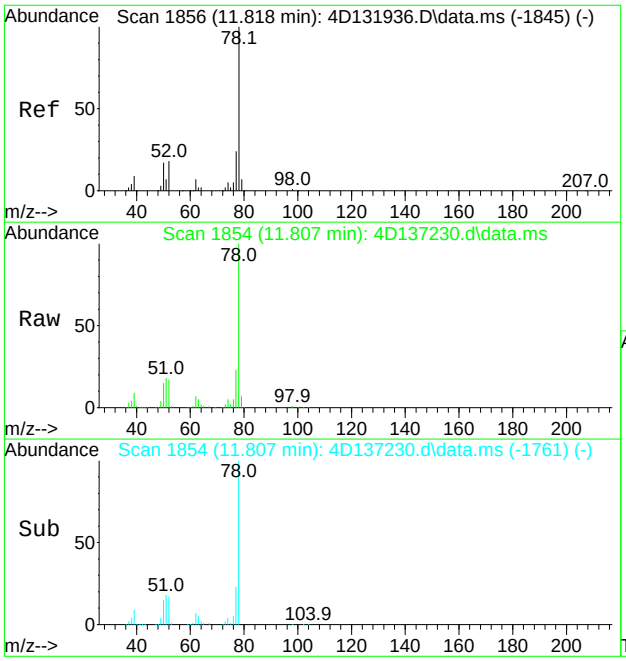


#54
2,2,4-trimethylpentane
Concen: 16.0666 ug/L
RT: 11.891 min Scan# 1870
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 57 Resp: 262681

Ion	Ratio	Lower	Upper
57	100		
56	33.6	3.6	63.6
43	38.9	4.6	64.6
41	34.0	0.9	60.9

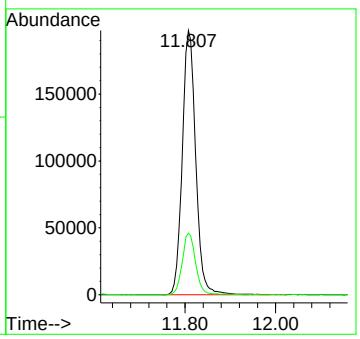


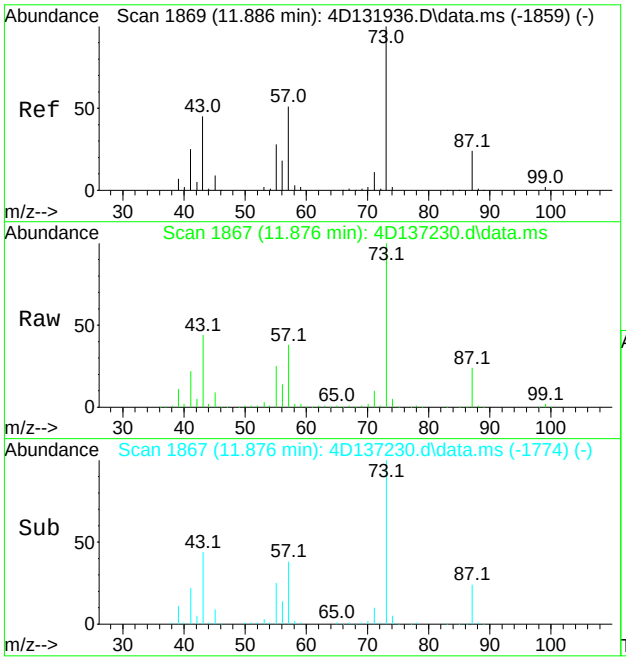


#55
benzene
Concen: 19.0369 ug/L
RT: 11.807 min Scan# 1854
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 78 Resp: 408675

Ion	Ratio	Lower	Upper
78	100		
77	23.3	0.0	53.7

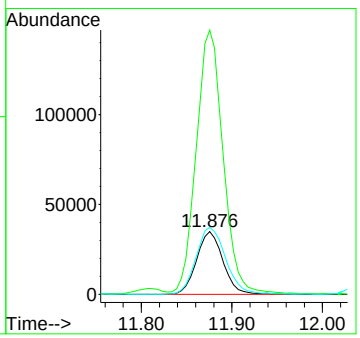


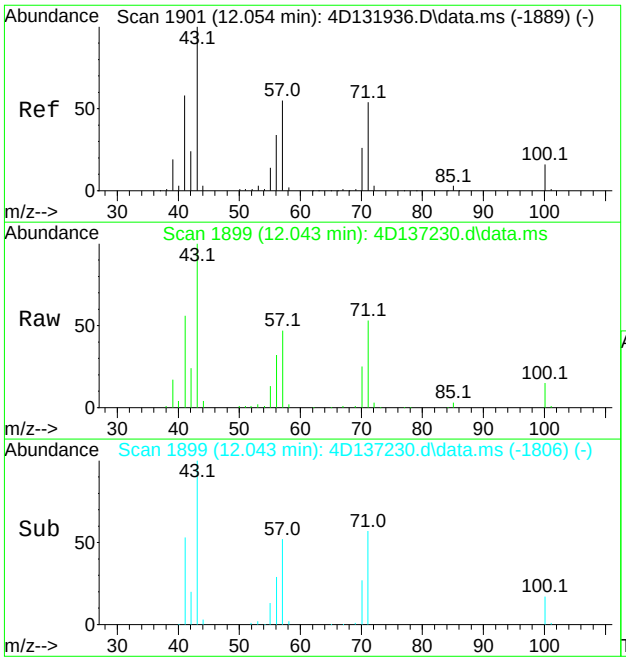


#56
tert-amyl methyl ether
Concen: 17.2992 ug/L
RT: 11.876 min Scan# 1867
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 87 Resp: 70895

Ion	Ratio	Lower	Upper
87	100		
73	418.2	382.6	442.6
55	106.6	85.4	145.4

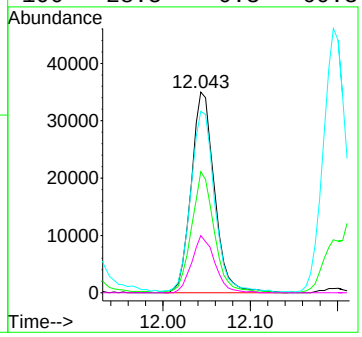


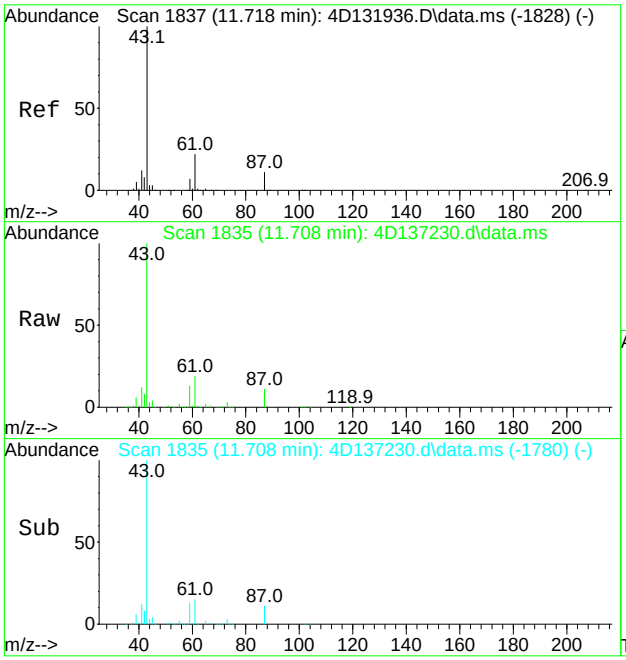


#57
heptane
Concen: 18.1999 ug/L
RT: 12.043 min Scan# 1899
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 71 Resp: 64803

Ion	Ratio	Lower	Upper
71	100		
56	60.4	33.0	93.0
57	89.9	72.2	132.2
100	28.5	0.3	60.3

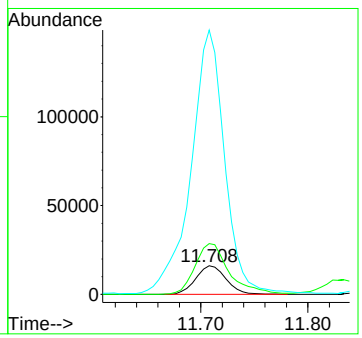


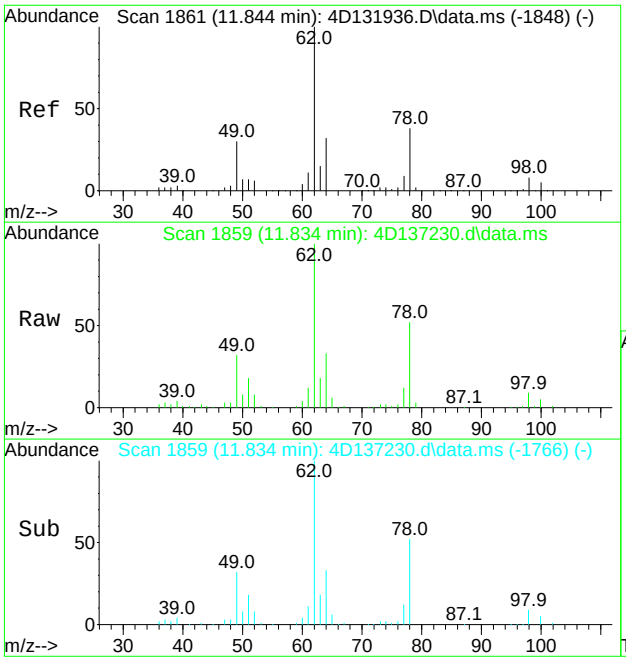


#58
isopropyl acetate
Concen: 19.4845 ug/L
RT: 11.708 min Scan# 1835
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 87 Resp: 31831

Ion	Ratio	Lower	Upper
87	100		
61	177.3	170.1	230.1
43	917.3	919.0	979.0#

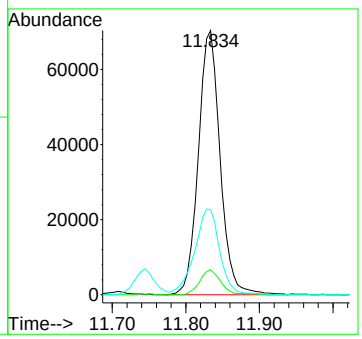


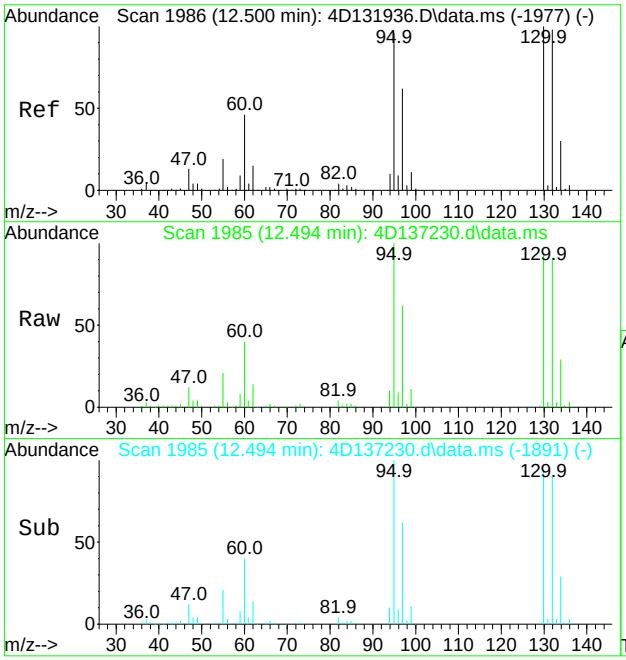


#59
1,2-dichloroethane
Concen: 16.2677 ug/L
RT: 11.834 min Scan# 1859
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 62 Resp: 144852

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	38.5
49	32.3	1.1	61.1

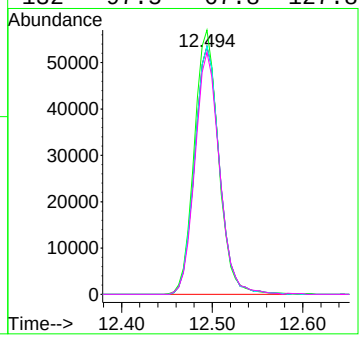


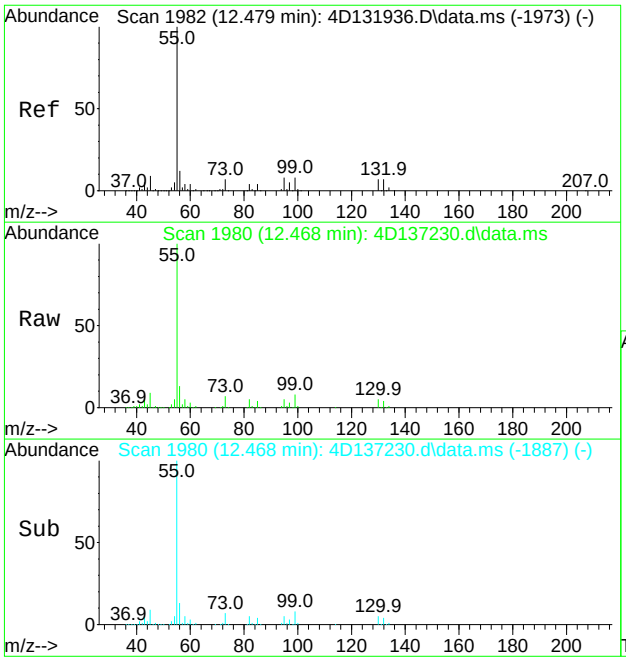


#60
trichloroethene
Concen: 17.0849 ug/L
RT: 12.494 min Scan# 1985
Delta R.T. -0.006 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:130 Resp: 101479

Ion	Ratio	Lower	Upper
130	100		
95	106.6	65.8	125.8
130	100.0	70.0	130.0
132	97.5	67.8	127.8

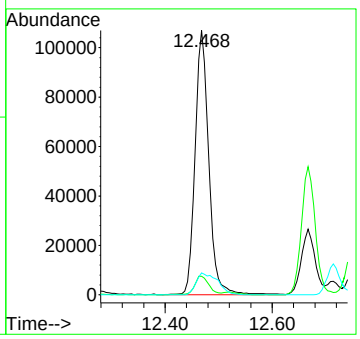


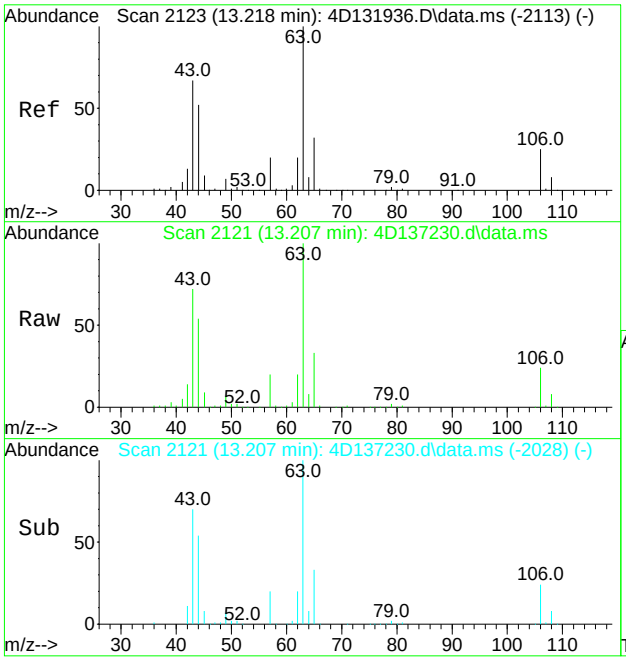


#61
ethyl acrylate
Concen: 16.7084 ug/L
RT: 12.468 min Scan# 1980
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 55 Resp: 190736

Ion	Ratio	Lower	Upper
55	100		
73	7.1	0.0	26.5
99	8.3	0.0	27.5

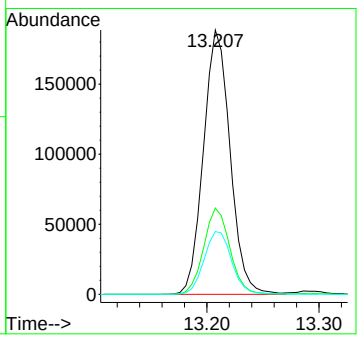


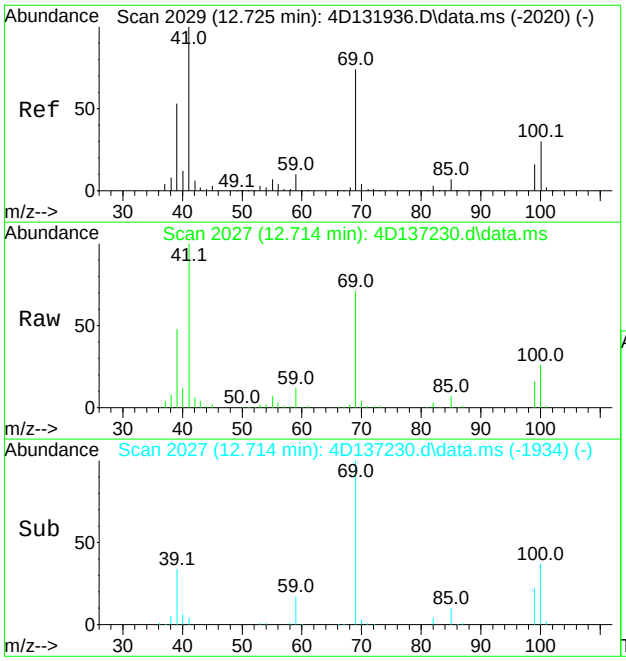


#63
2-chloroethyl vinyl ether
Concen: 94.5887 ug/L
RT: 13.207 min Scan# 2121
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 63 Resp: 312669

Ion	Ratio	Lower	Upper
63	100		
65	32.7	1.7	61.7
106	23.8	0.0	55.3

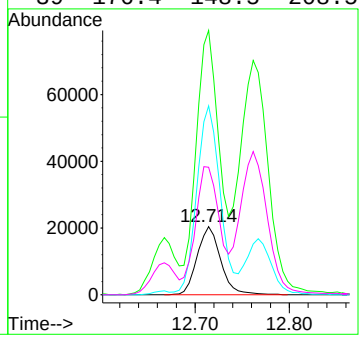


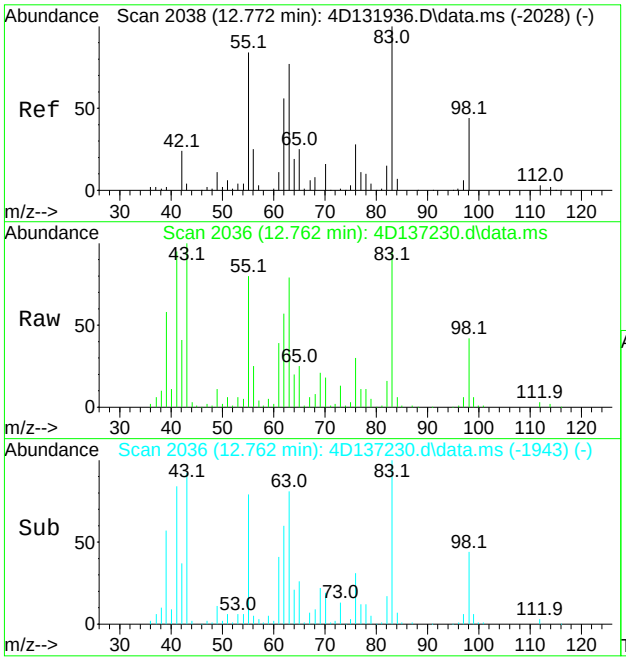


#64
methyl methacrylate
Concen: 17.2961 ug/L
RT: 12.714 min Scan# 2027
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:100 Resp: 35425

Ion	Ratio	Lower	Upper
100	100		
41	368.5	304.3	364.3#
69	271.5	217.8	277.8
39	176.4	148.5	208.5

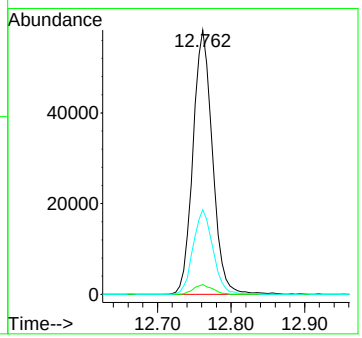


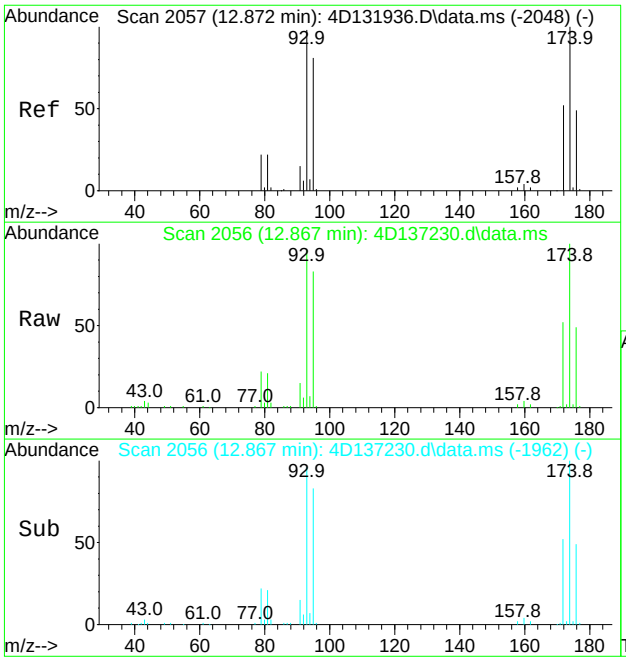


#65
1,2-dichloropropane
Concen: 17.5374 ug/L
RT: 12.762 min Scan# 2036
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 63 Resp: 107649

Ion	Ratio	Lower	Upper
63	100		
112	3.7	0.0	33.7
65	32.1	1.9	61.9

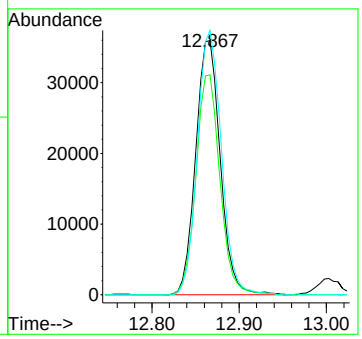


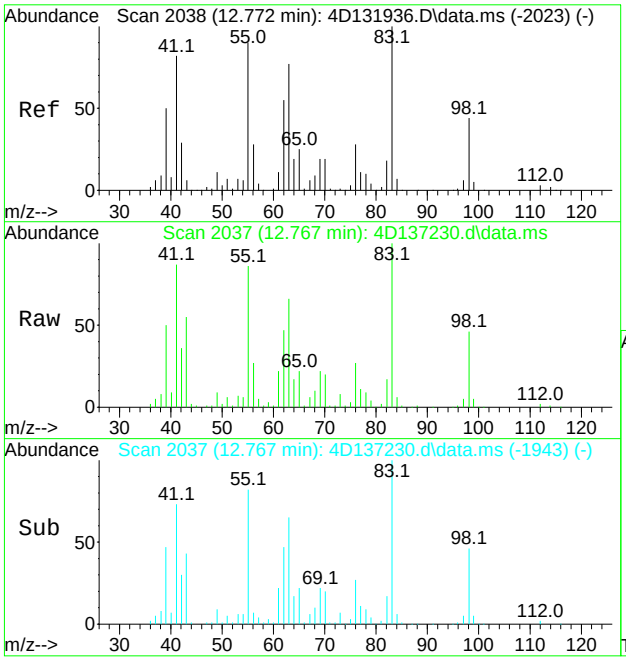


#66
dibromomethane
Concen: 18.2478 ug/L
RT: 12.867 min Scan# 2056
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 93 Resp: 70552

Ion	Ratio	Lower	Upper
93	100		
95	86.6	52.6	112.6
174	104.0	72.4	132.4

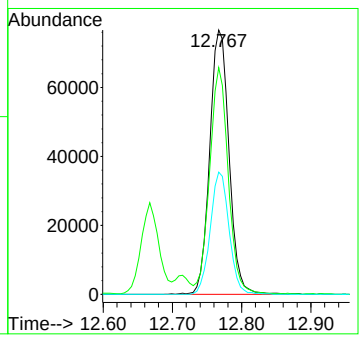


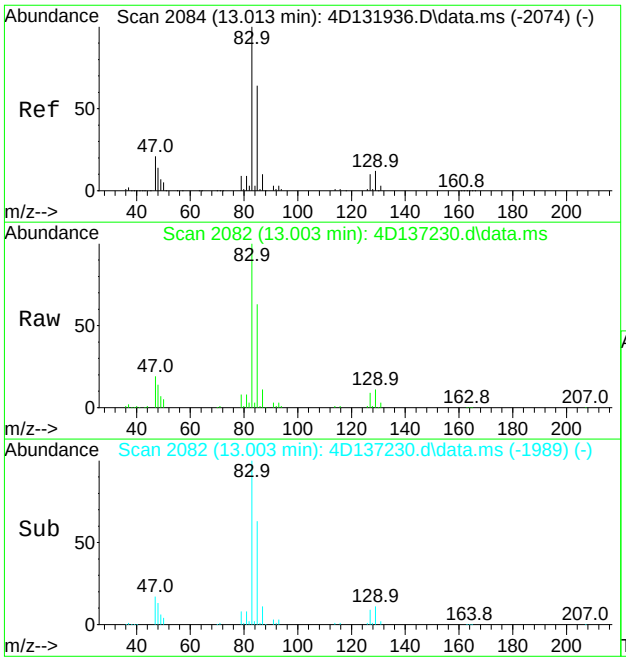


#67
methylcyclohexane
Concen: 17.4884 ug/L
RT: 12.767 min Scan# 2037
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 83 Resp: 148209

Ion	Ratio	Lower	Upper
83	100		
55	85.4	60.5	120.5
98	46.2	14.1	74.1

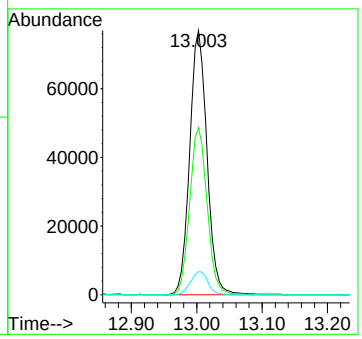


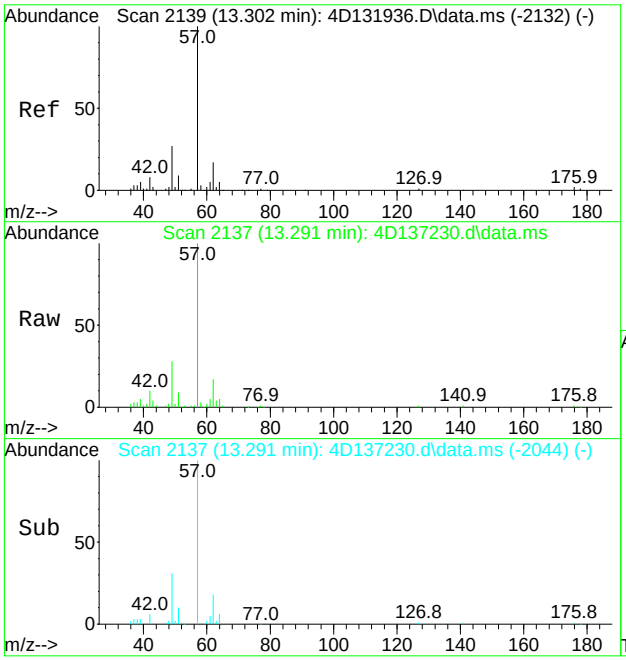


#68
bromodichloromethane
Concen: 17.9321 ug/L
RT: 13.003 min Scan# 2082
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 83 Resp: 141710

Ion	Ratio	Lower	Upper
83	100		
85	63.2	34.4	94.4
127	8.9	0.0	39.7

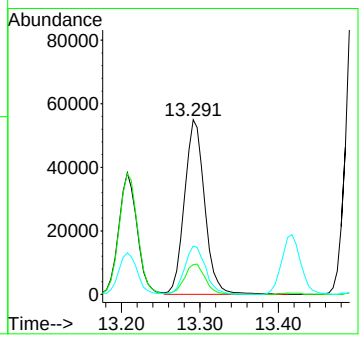


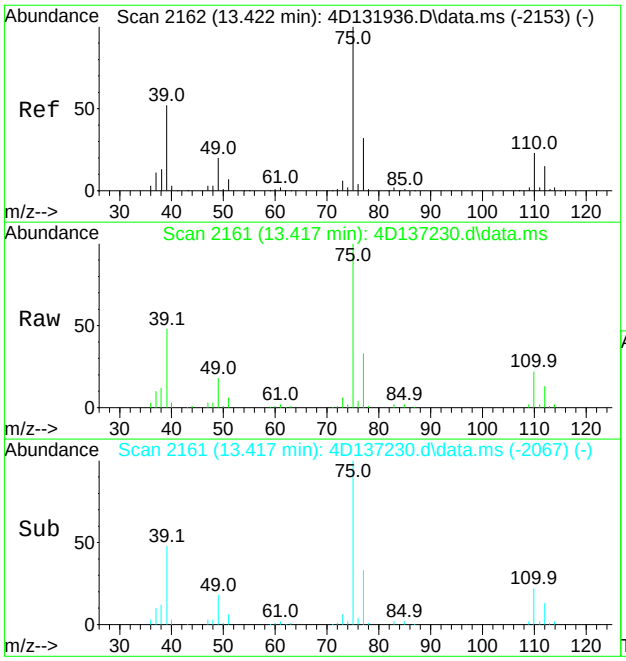


#69
epichlorohydrin
Concen: 83.7194 ug/L
RT: 13.291 min Scan# 2137
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 57 Resp: 98027

Ion	Ratio	Lower	Upper
57	100		
62	16.4	0.0	37.4
49	27.2	6.8	46.8

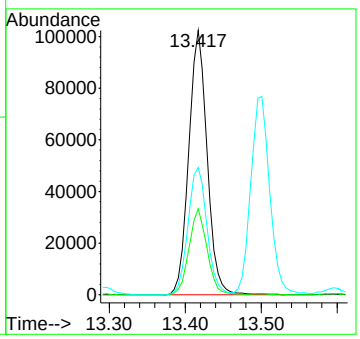


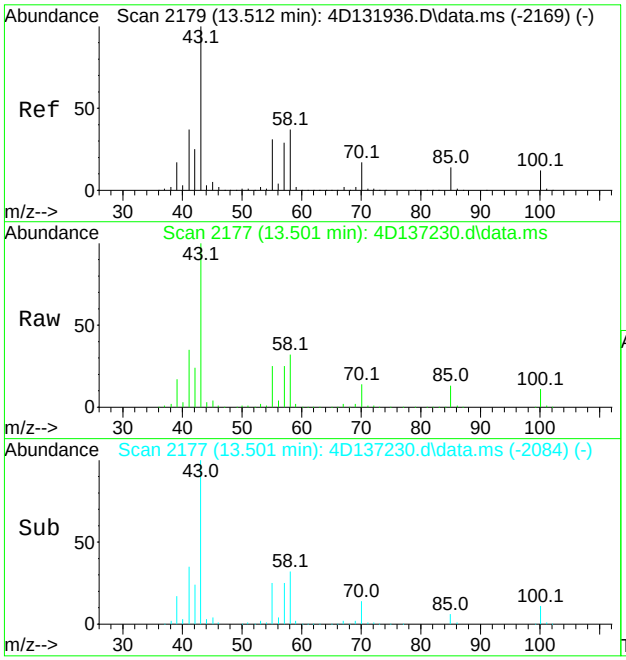


#70
cis-1,3-dichloropropene
Concen: 18.2665 ug/L
RT: 13.417 min Scan# 2161
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 75 Resp: 171730

Ion	Ratio	Lower	Upper
75	100		
77	32.6	1.9	61.9
39	48.1	22.1	82.1

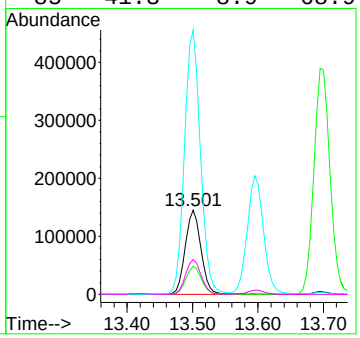


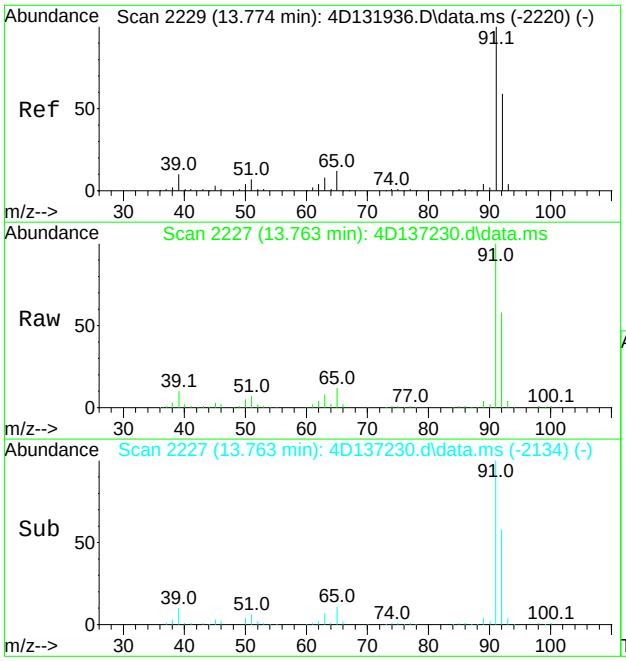


#71
4-methyl-2-pentanone
Concen: 65.9895 ug/L
RT: 13.501 min Scan# 2177
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 58 Resp: 243755

Ion	Ratio	Lower	Upper
58	100		
100	33.7	2.6	62.6
43	314.1	244.0	304.0#
85	41.3	8.9	68.9

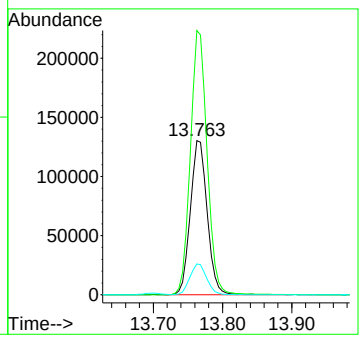


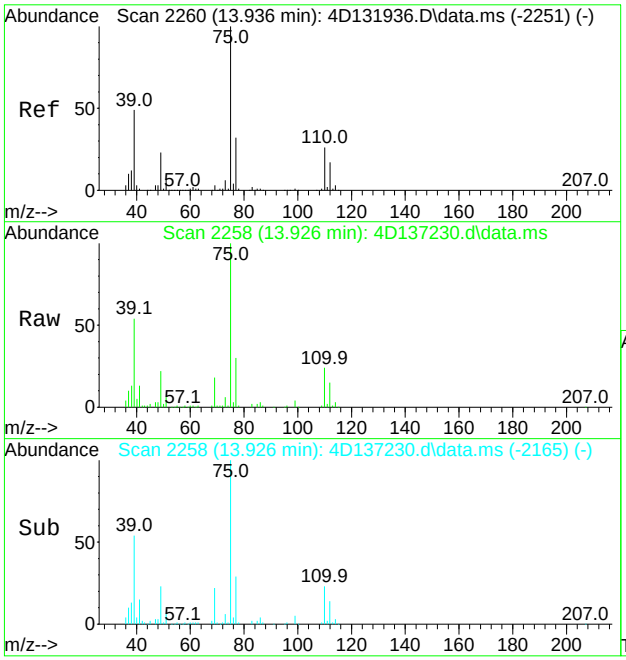


#75
toluene
Concen: 18.1592 ug/L
RT: 13.763 min Scan# 2227
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 92 Resp: 220582

Ion	Ratio	Lower	Upper
92	100		
91	171.4	150.1	190.1
65	19.9	0.0	39.8

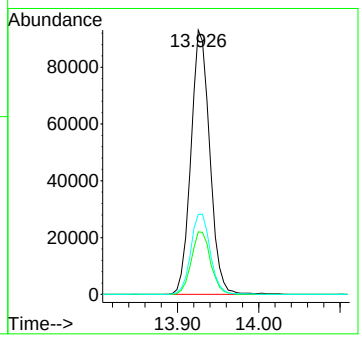


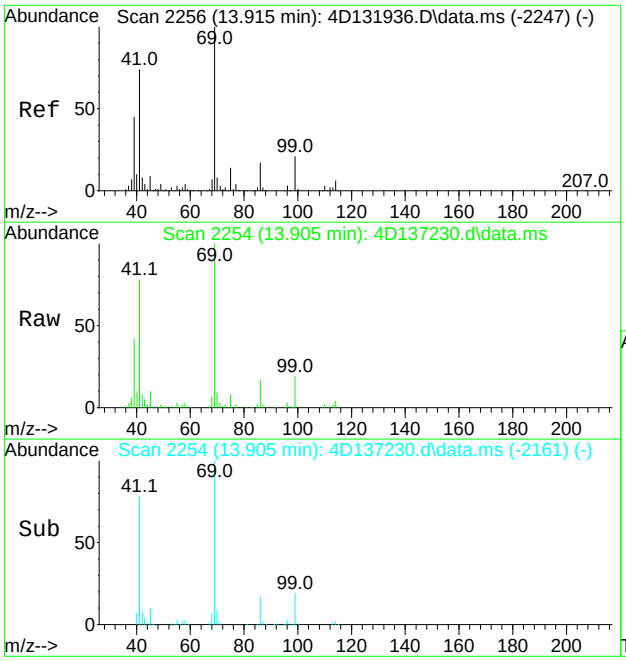


#76
trans-1,3-dichloropropene
Concen: 18.7341 ug/L
RT: 13.926 min Scan# 2258
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 75 Resp: 150054

Ion	Ratio	Lower	Upper
75	100		
110	23.7	5.6	45.6
77	30.2	12.5	52.5

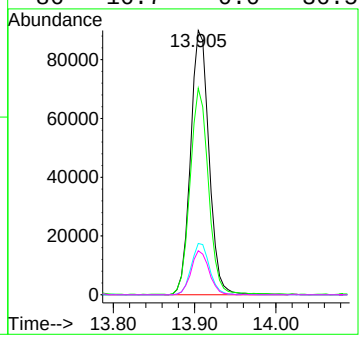


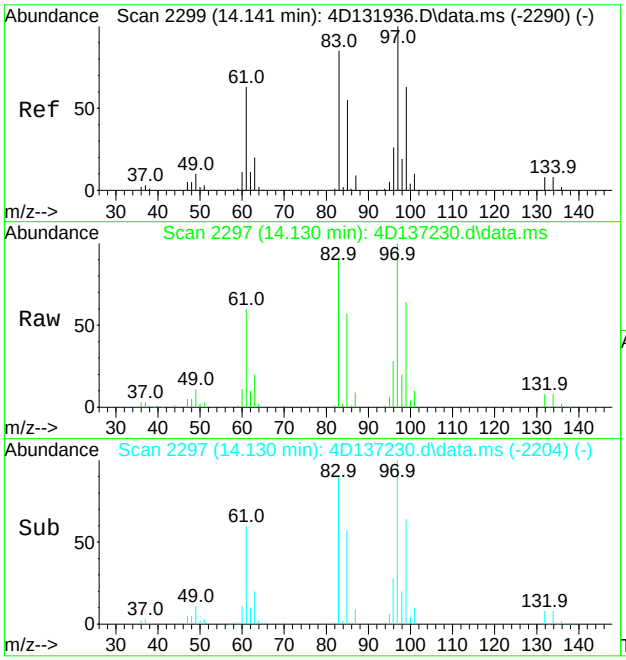


#77
ethyl methacrylate
Concen: 17.9875 ug/L
RT: 13.905 min Scan# 2254
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 69 Resp: 141895

Ion	Ratio	Lower	Upper
69	100		
41	78.0	53.7	93.7
99	19.4	0.5	40.5
86	16.7	0.0	36.5

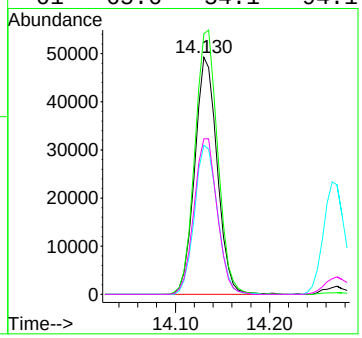


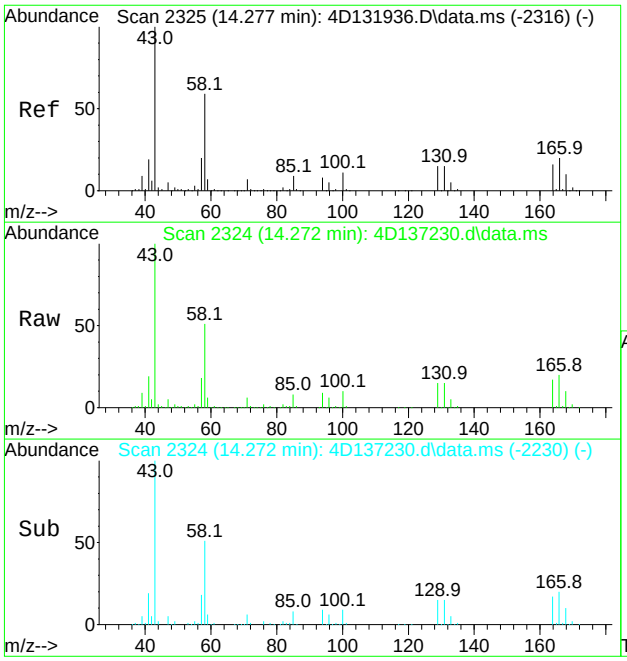


#78
1,1,2-trichloroethane
Concen: 18.8855 ug/L
RT: 14.130 min Scan# 2297
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 83 Resp: 81719

Ion	Ratio	Lower	Upper
83	100		
97	109.9	98.0	138.0
85	62.9	44.8	84.8
61	65.6	54.1	94.1

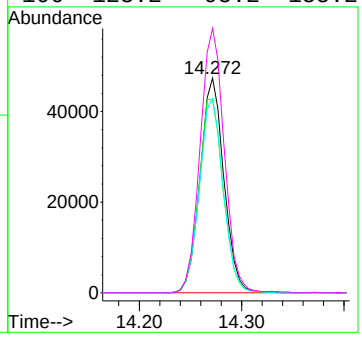


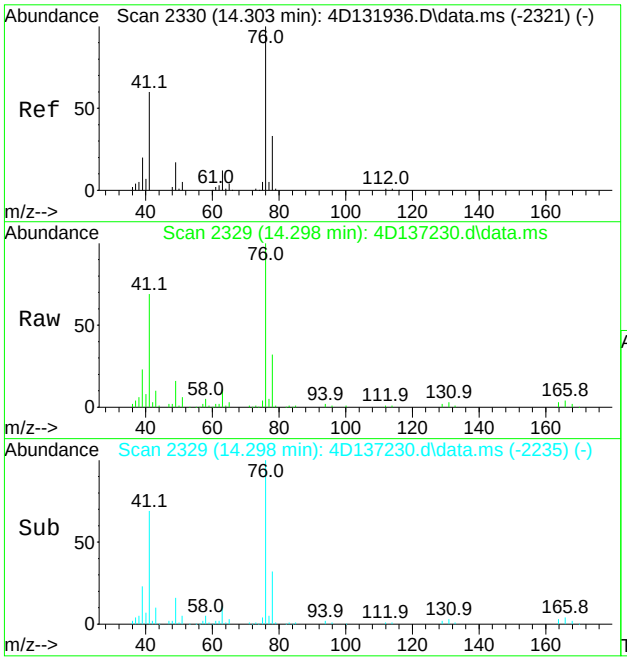


#79
tetrachloroethene
Concen: 18.1543 ug/L
RT: 14.272 min Scan# 2324
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:164 Resp: 76644

Ion	Ratio	Lower	Upper
164	100		
129	89.7	63.3	123.3
131	90.5	59.8	119.8
166	123.2	95.2	155.2

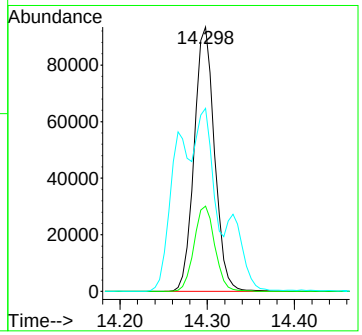


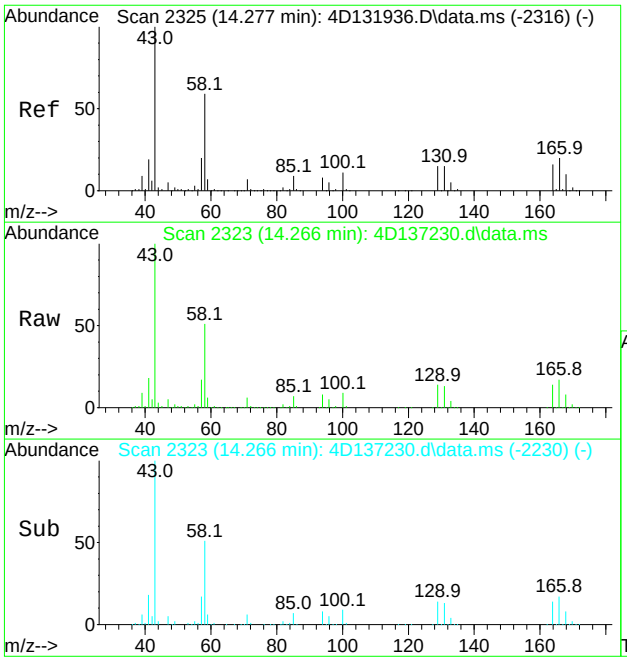


#80
1,3-dichloropropane
Concen: 19.8280 ug/L
RT: 14.298 min Scan# 2329
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 76 Resp: 151224

Ion	Ratio	Lower	Upper
76	100		
78	32.3	2.5	62.5
41	68.7	40.0	100.0

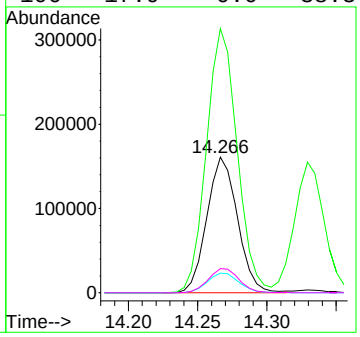


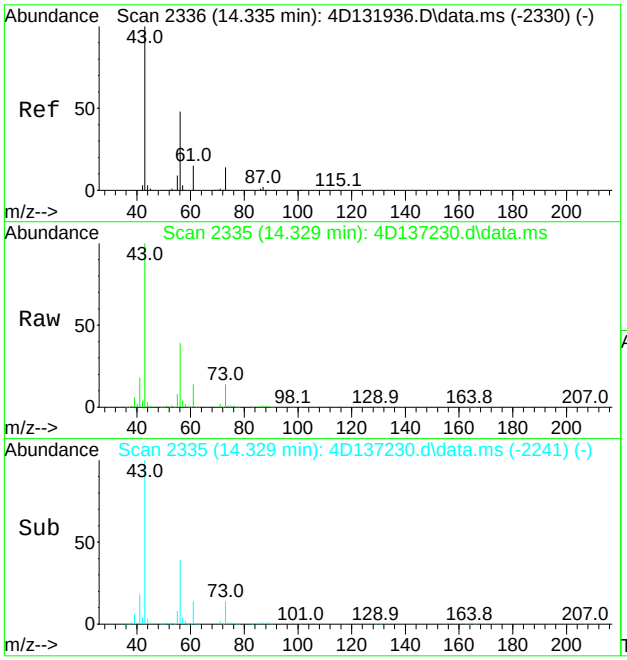


#81
2-hexanone
Concen: 65.2000 ug/L
RT: 14.266 min Scan# 2323
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 58 Resp: 247605

Ion	Ratio	Lower	Upper
58	100		
43	194.8	149.1	189.1#
85	14.5	0.0	34.7
100	17.9	0.0	38.3

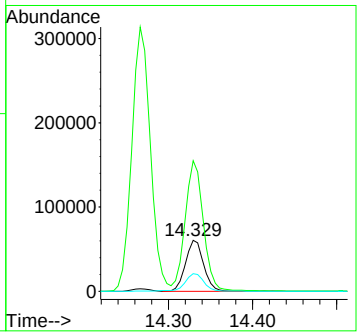


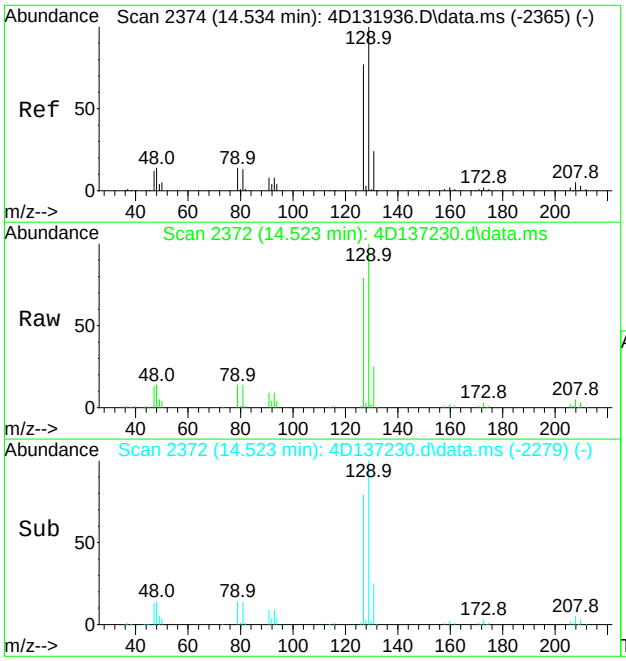


#82
butyl acetate
Concen: 16.8837 ug/L
RT: 14.329 min Scan# 2335
Delta R.T. -0.006 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 56 Resp: 91217

Ion	Ratio	Lower	Upper
56	100		
43	255.0	196.2	256.2
73	34.4	0.0	59.9

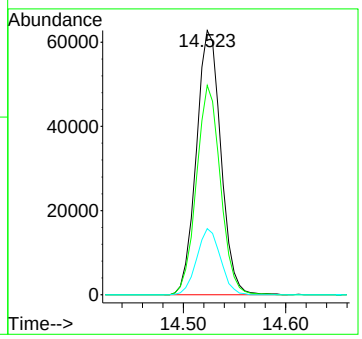


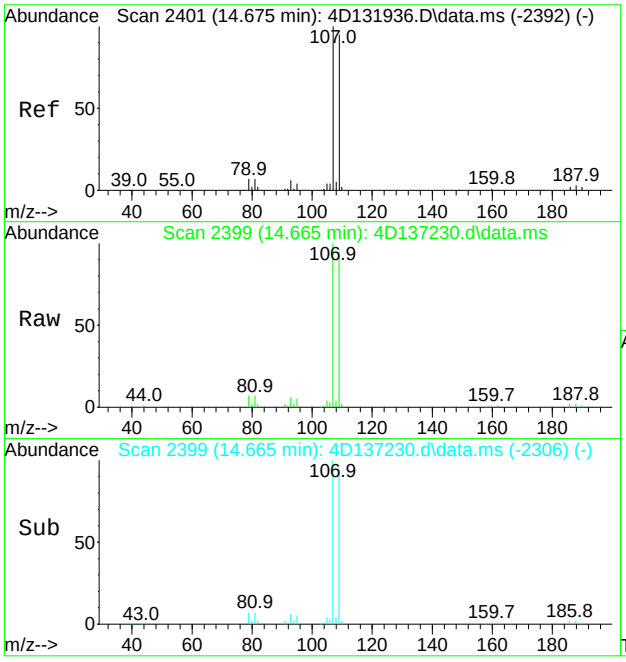


#83
dibromochloromethane
Concen: 17.4122 ug/L
RT: 14.523 min Scan# 2372
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:129 Resp: 104874

Ion	Ratio	Lower	Upper
129	100		
127	79.2	47.2	107.2
131	25.1	0.0	54.4

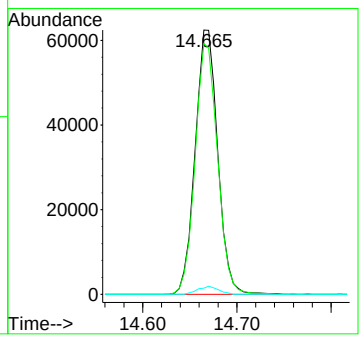


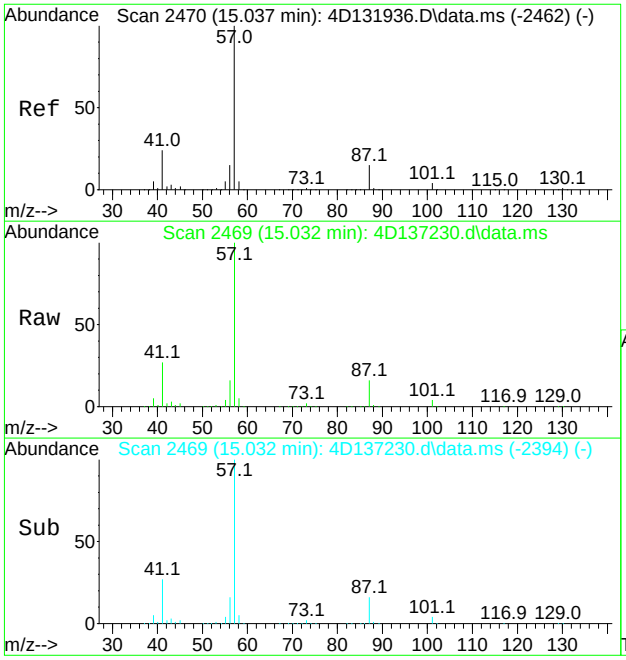


#84
1,2-dibromoethane
Concen: 18.7719 ug/L
RT: 14.665 min Scan# 2399
Delta R.T. -0.010 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:107 Resp: 103604

Ion	Ratio	Lower	Upper
107	100		
109	94.9	65.1	125.1
188	2.4	0.0	33.2

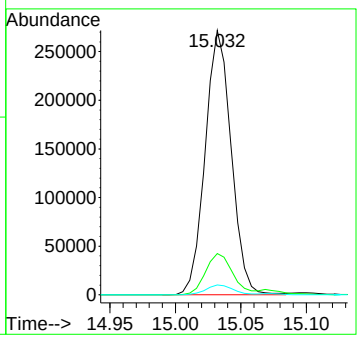


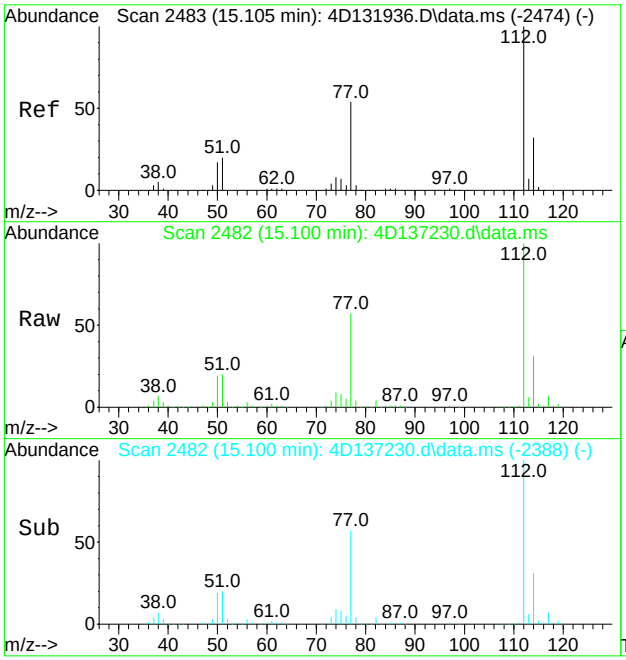


#85
n-butyl ether
Concen: 16.5455 ug/L
RT: 15.032 min Scan# 2469
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 57 Resp: 378031

Ion	Ratio	Lower	Upper
57	100		
87	15.6	0.0	44.7
101	3.8	0.0	33.8

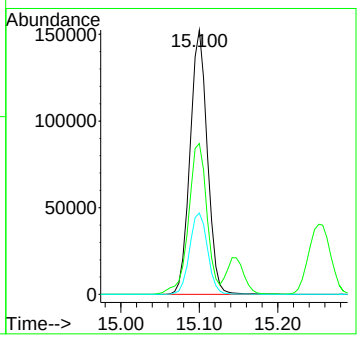


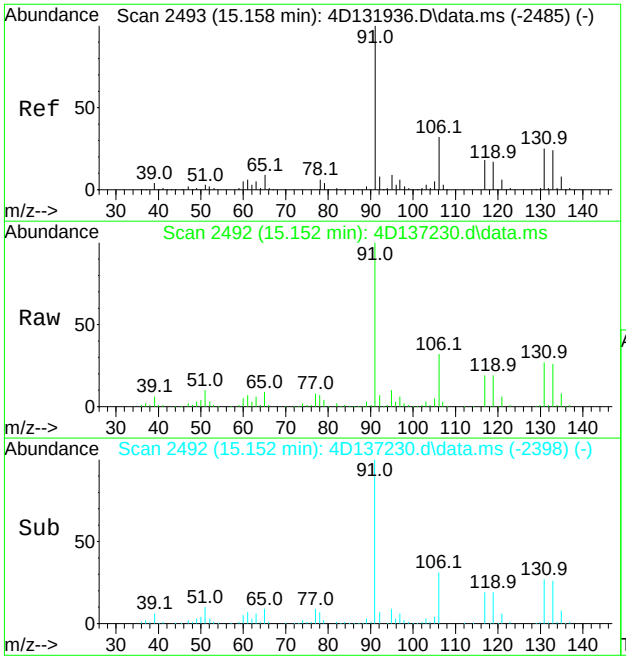


#86
chlorobenzene
Concen: 17.5080 ug/L
RT: 15.100 min Scan# 2482
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:112 Resp: 233944

Ion	Ratio	Lower	Upper
112	100		
77	56.9	23.8	83.8
114	30.7	2.2	62.2

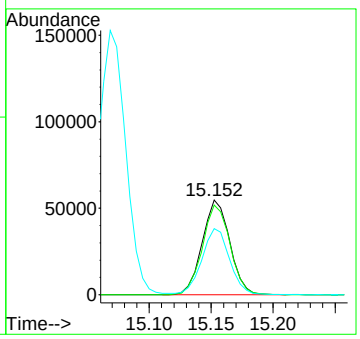


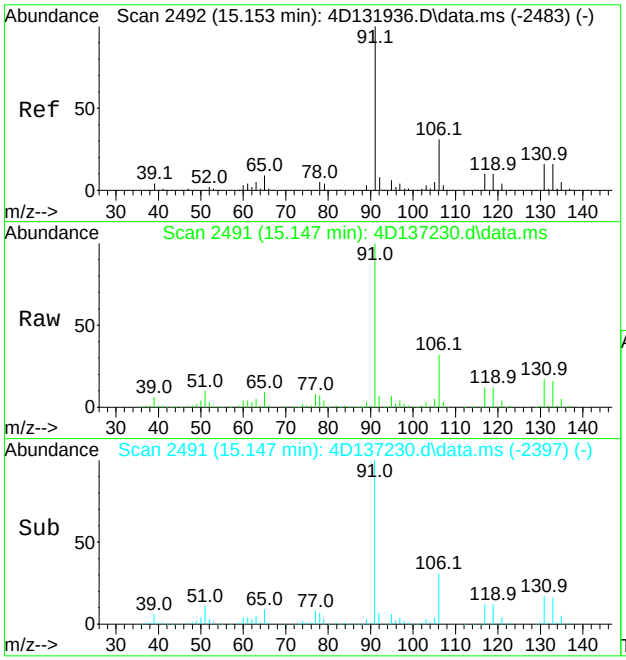


#87
1,1,1,2-tetrachloroethane
Concen: 17.5766 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.006 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:131 Resp: 84788

Ion	Ratio	Lower	Upper
131	100		
133	94.6	66.4	126.4
119	69.5	37.8	97.8

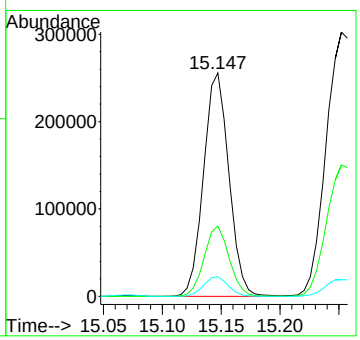


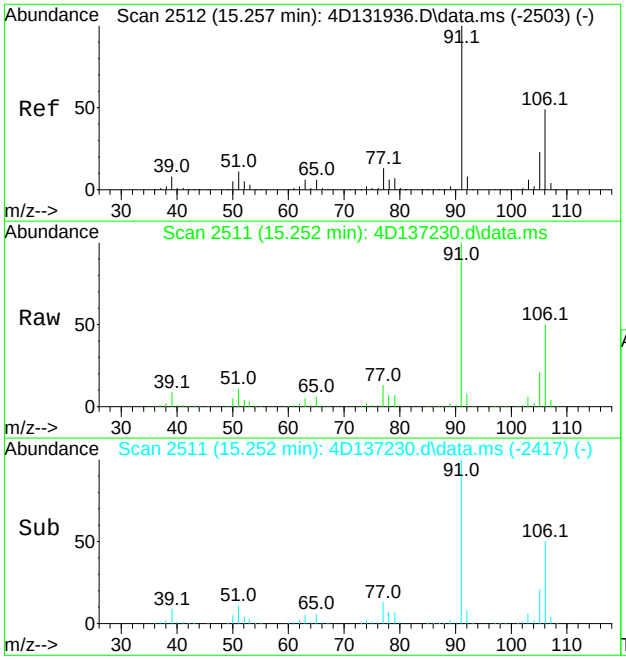


#88
ethylbenzene
Concen: 17.6117 ug/L
RT: 15.147 min Scan# 2491
Delta R.T. -0.006 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 91 Resp: 384088

Ion	Ratio	Lower	Upper
91	100		
106	31.5	1.3	61.3
65	8.8	0.0	39.1

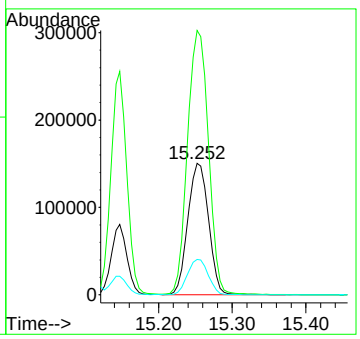


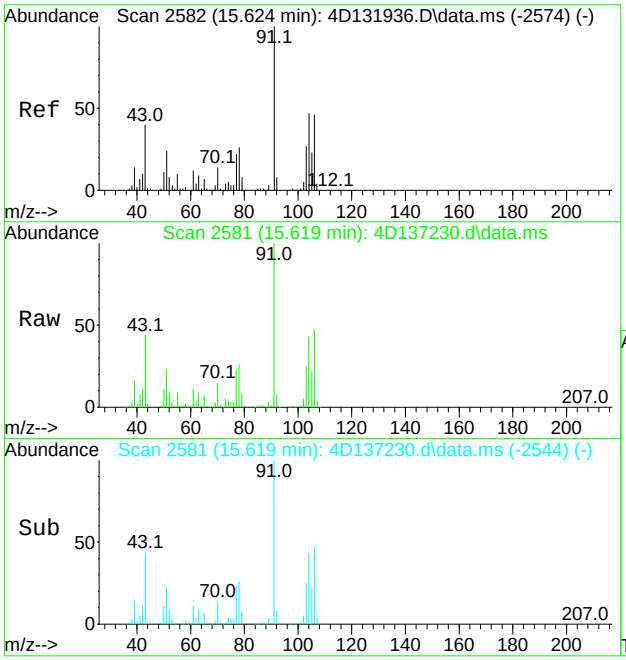


#89
m,p-xylene
Concen: 35.1113 ug/L
RT: 15.252 min Scan# 2511
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:106 Resp: 294562

Ion	Ratio	Lower	Upper
106	100		
91	201.1	173.6	233.6
77	26.9	5.6	45.6

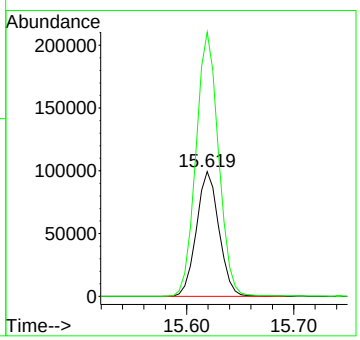


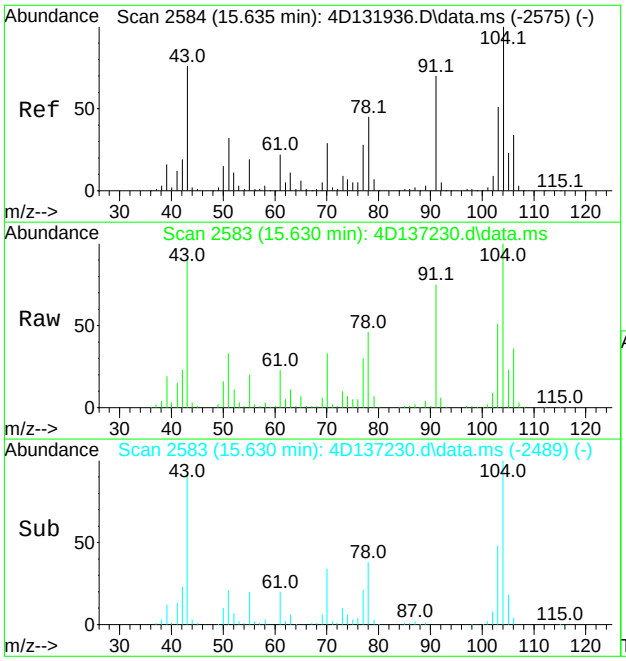


#90
o-xylene
Concen: 17.7645 ug/L
RT: 15.619 min Scan# 2581
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:106 Resp: 145922

Ion	Ratio	Lower	Upper
106	100		
91	211.8	188.2	248.2

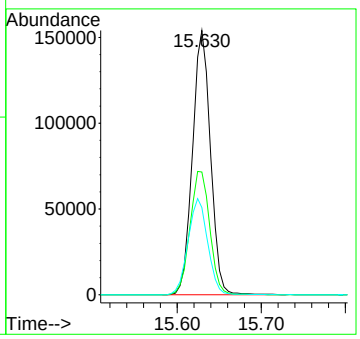


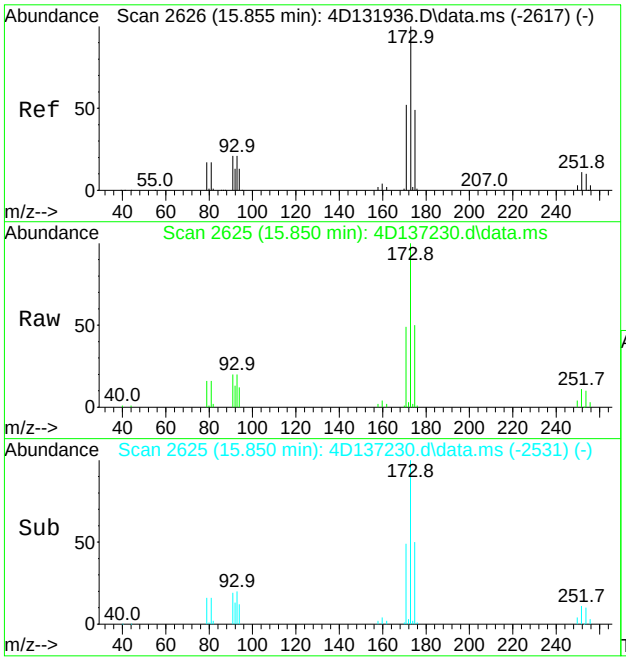


#91
styrene
Concen: 16.6170 ug/L
RT: 15.630 min Scan# 2583
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:104 Resp: 229128

Ion	Ratio	Lower	Upper
104	100		
78	46.5	14.9	74.9
51	33.0	2.1	62.1

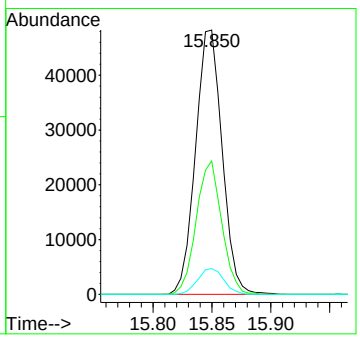


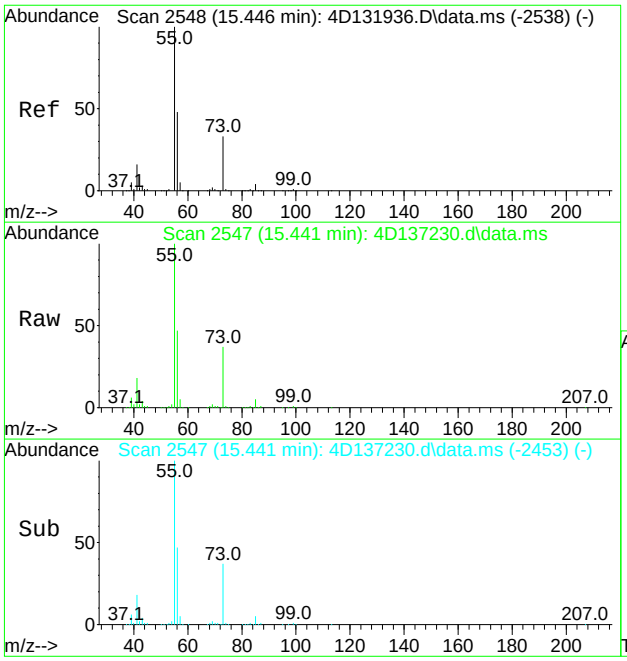


#92
bromoform
Concen: 17.6730 ug/L
RT: 15.850 min Scan# 2625
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:173 Resp: 76012

Ion	Ratio	Lower	Upper
173	100		
175	50.5	18.7	78.7
254	9.7	0.0	40.1

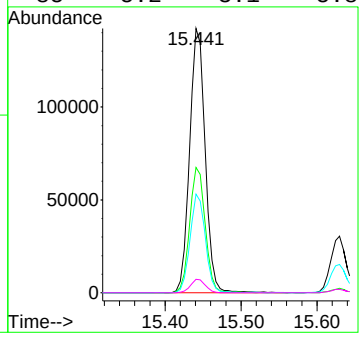


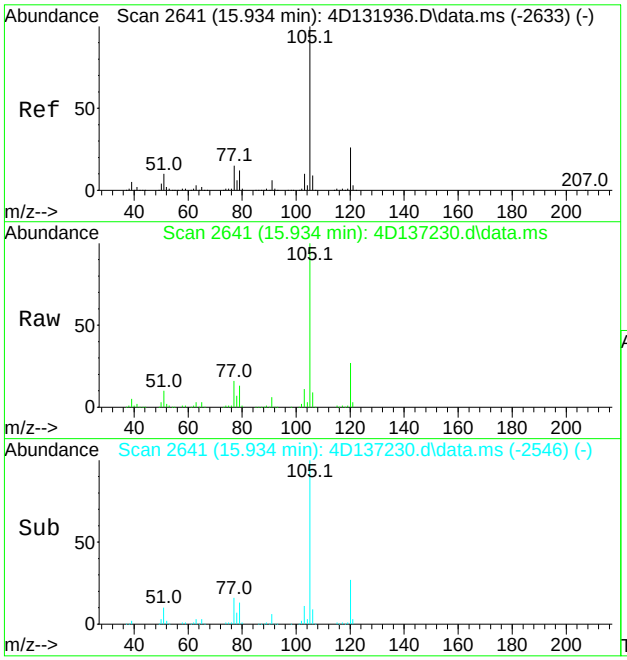


#93
butyl acrylate
Concen: 15.6923 ug/L
RT: 15.441 min Scan# 2547
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 55 Resp: 202362

Ion	Ratio	Lower	Upper
55	100		
56	47.4	33.5	62.1
73	37.3	23.2	43.2
85	5.2	3.1	5.8

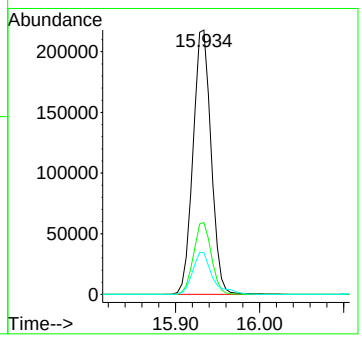


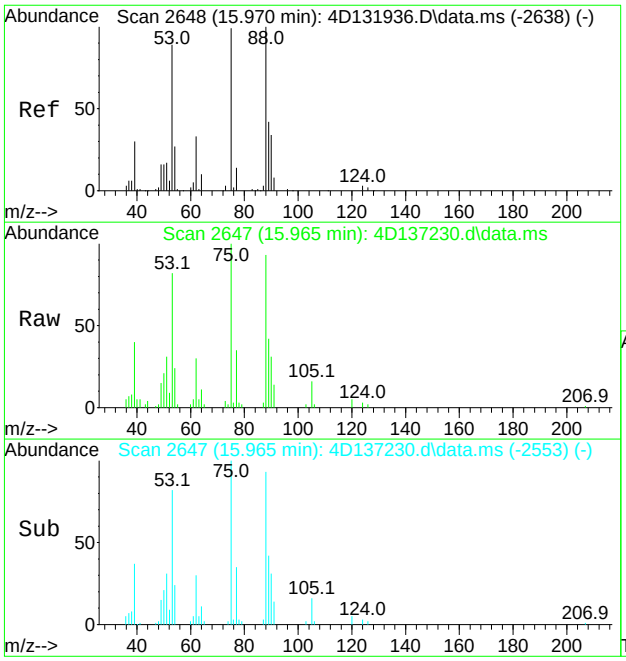


#94
isopropylbenzene
Concen: 17.0584 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:105 Resp: 324699

Ion	Ratio	Lower	Upper
105	100		
120	27.2	5.9	45.9
77	15.9	0.0	34.7

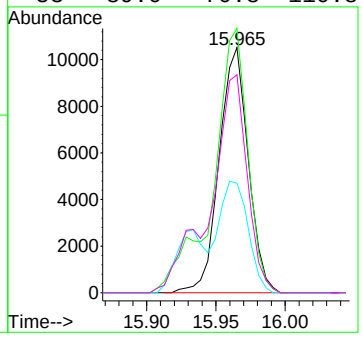


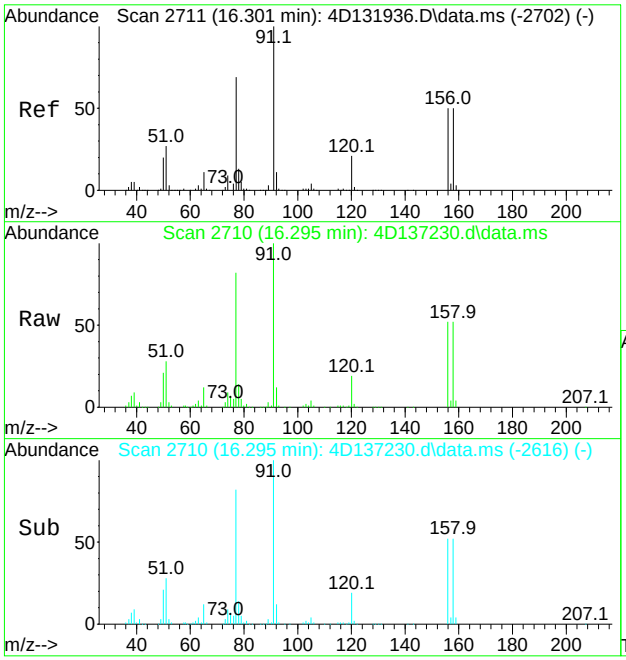


#95
cis-1,4-dichloro-2-butene
Concen: 6.1032 ug/L
RT: 15.965 min Scan# 2647
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 88 Resp: 15313

Ion	Ratio	Lower	Upper
88	100		
75	107.9	80.4	120.4
89	44.8	23.8	63.8
53	89.0	70.8	110.8

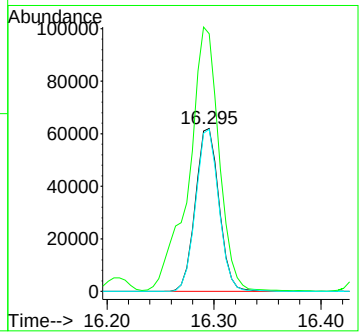


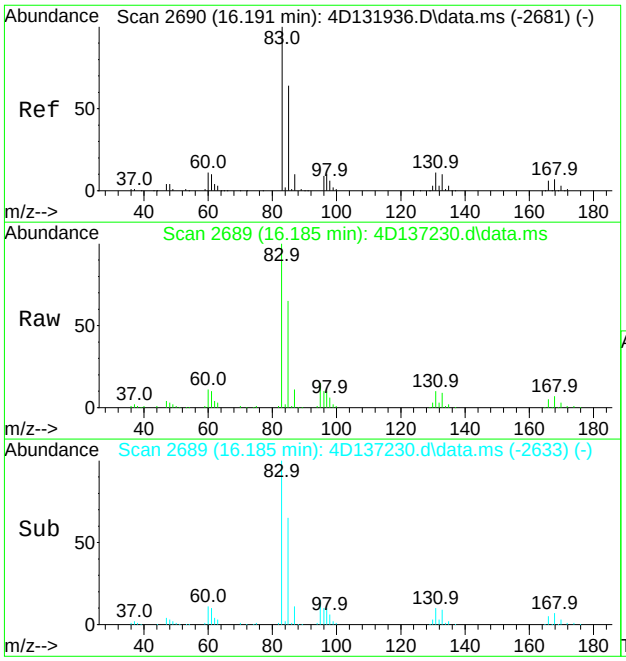


#98
bromobenzene
Concen: 18.7528 ug/L
RT: 16.295 min Scan# 2710
Delta R.T. -0.006 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:156 Resp: 95245

Ion	Ratio	Lower	Upper
156	100		
77	157.6	114.1	174.1
158	99.5	69.3	129.3

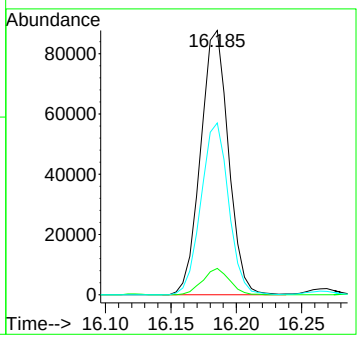


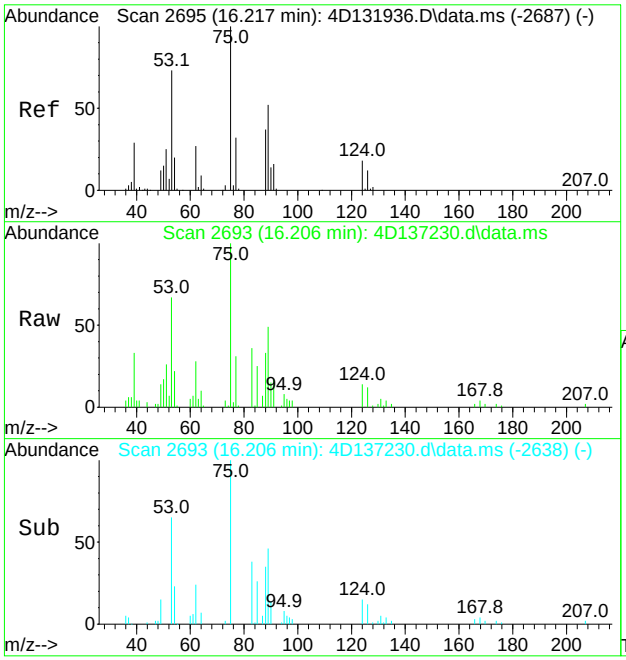


#99
1,1,2,2-tetrachloroethane
Concen: 19.3913 ug/L
RT: 16.185 min Scan# 2689
Delta R.T. -0.006 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 83 Resp: 130467

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	40.7
85	64.9	33.7	93.7

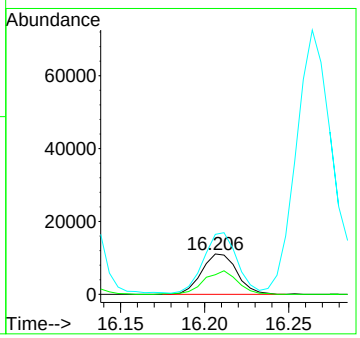


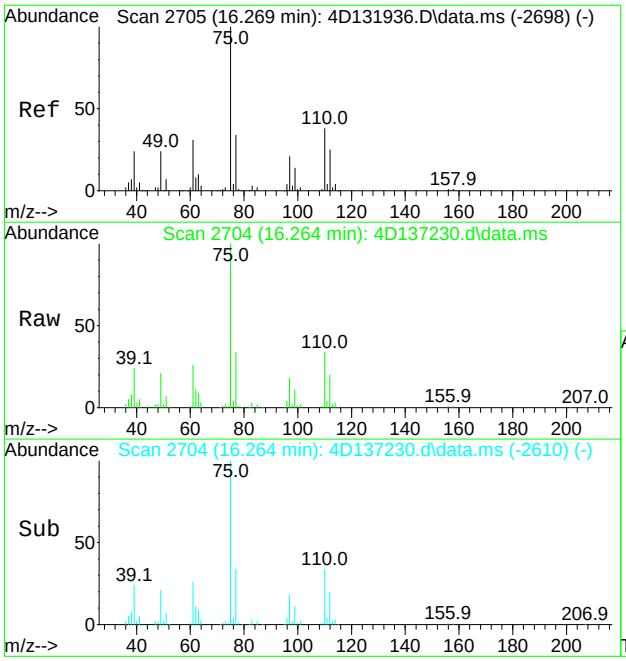


#100
trans-1,4-dichloro-2-butene
Concen: 7.8948 ug/L
RT: 16.206 min Scan# 2693
Delta R.T. -0.011 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 53 Resp: 16165

Ion	Ratio	Lower	Upper
53	100		
88	48.7	20.8	80.8
75	145.0	106.5	166.5

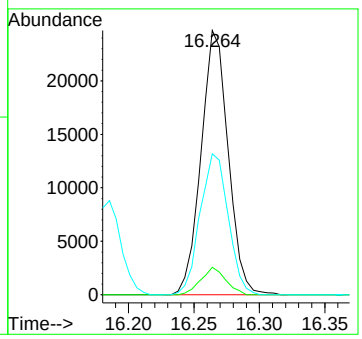


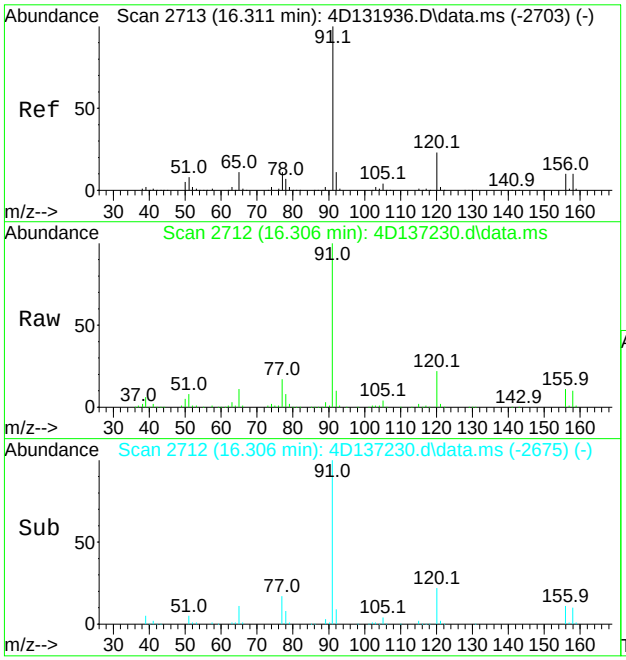


#101
1,2,3-trichloropropane
Concen: 19.7444 ug/L
RT: 16.264 min Scan# 2704
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:110 Resp: 35618

Ion	Ratio	Lower	Upper
110	100		
111	10.4	0.0	40.4
97	53.3	25.6	85.6

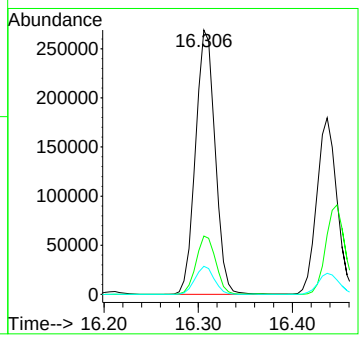


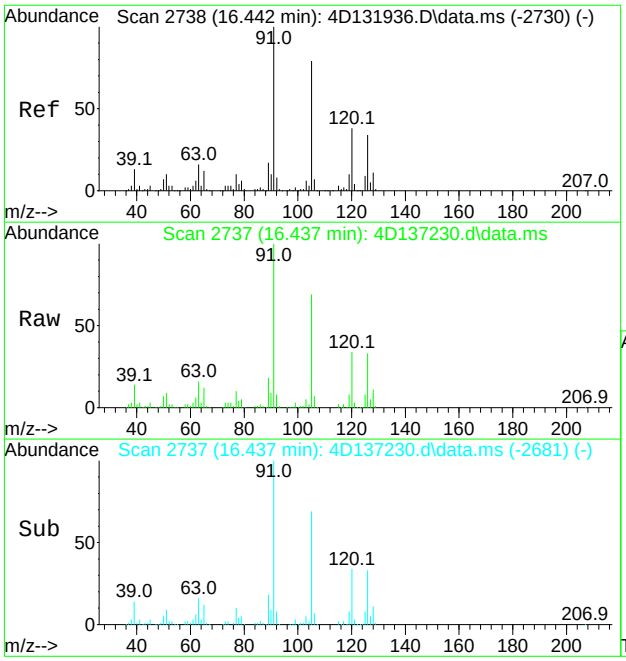


#102
n-propylbenzene
Concen: 18.3751 ug/L
RT: 16.306 min Scan# 2712
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 91 Resp: 389456

Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	53.1
65	10.7	0.0	40.8

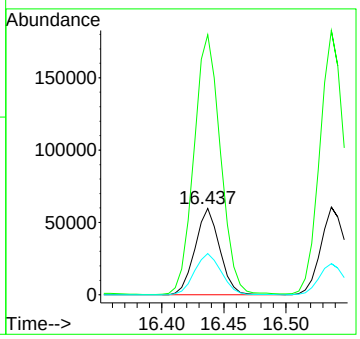


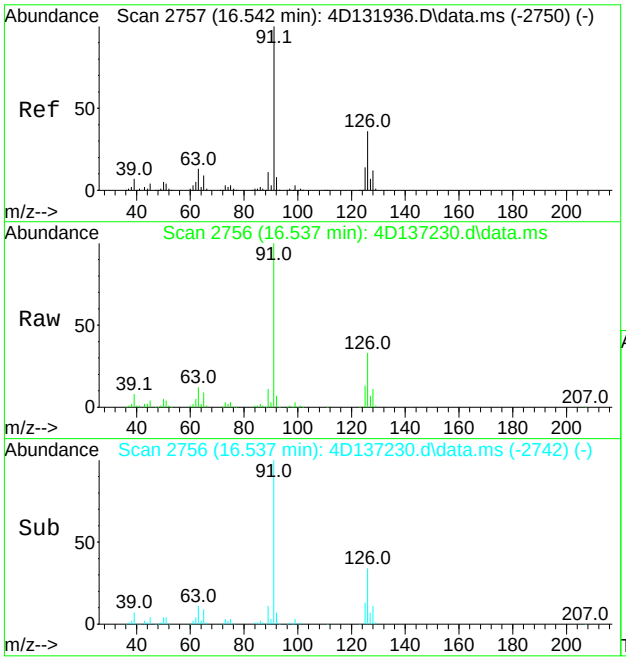


#103
2-chlorotoluene
Concen: 18.0720 ug/L
RT: 16.437 min Scan# 2737
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:126 Resp: 82557

Ion	Ratio	Lower	Upper
126	100		
91	300.4	265.9	325.9
63	47.8	18.3	78.3

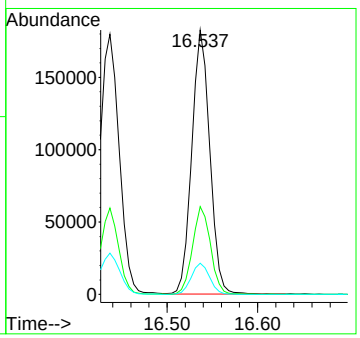


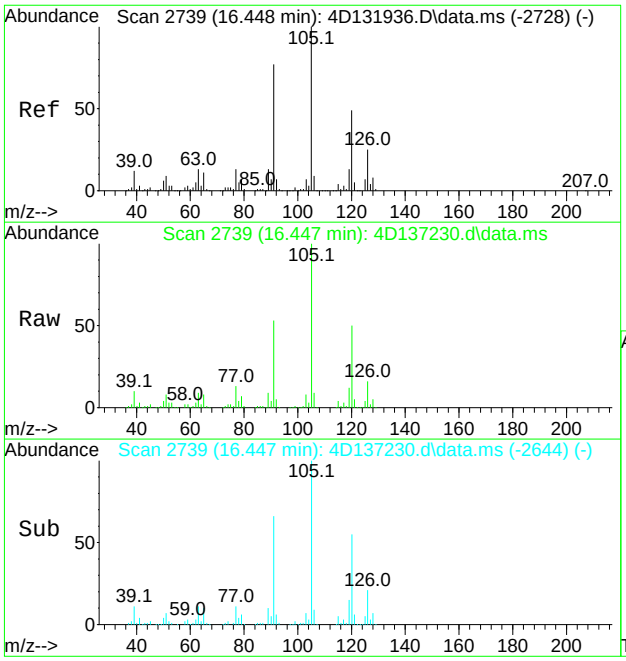


#104
4-chlorotoluene
Concen: 18.1197 ug/L
RT: 16.537 min Scan# 2756
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 91 Resp: 252447

Ion	Ratio	Lower	Upper
91	100		
126	33.2	5.5	65.5
63	11.8	0.0	42.5

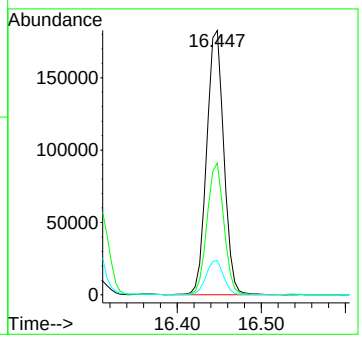


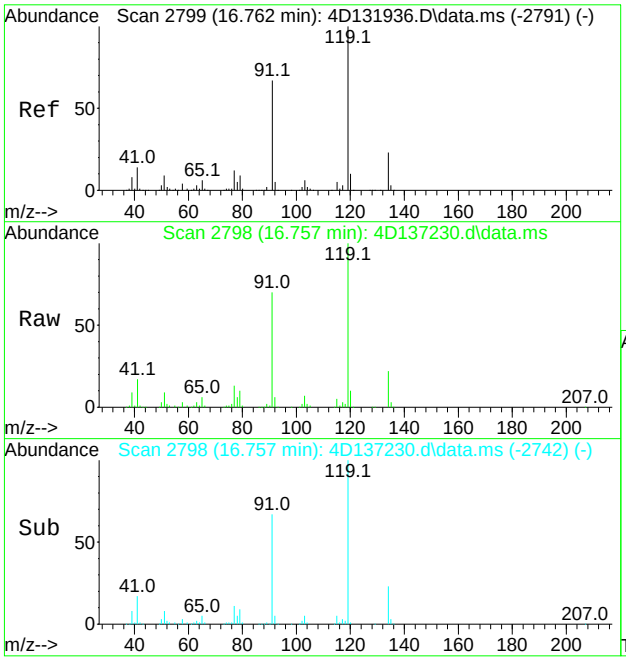


#105
1,3,5-trimethylbenzene
Concen: 17.3810 ug/L
RT: 16.447 min Scan# 2739
Delta R.T. -0.001 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:105 Resp: 259440

Ion	Ratio	Lower	Upper
105	100		
120	49.8	19.3	79.3
77	12.9	0.0	42.7

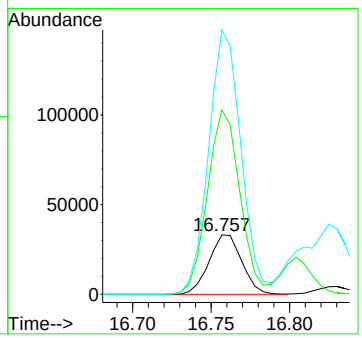


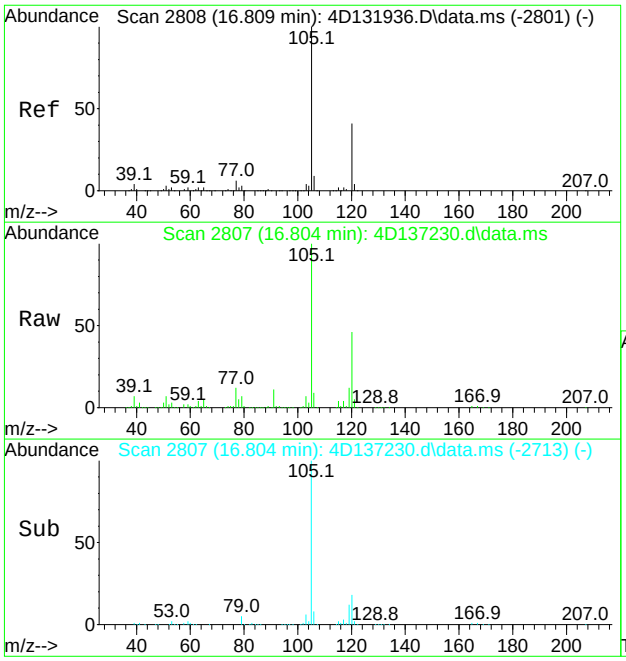


#106
tert-butylbenzene
Concen: 17.5126 ug/L
RT: 16.757 min Scan# 2798
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:134 Resp: 48506

Ion	Ratio	Lower	Upper
134	100		
91	310.2	266.0	326.0
119	444.5	410.0	470.0

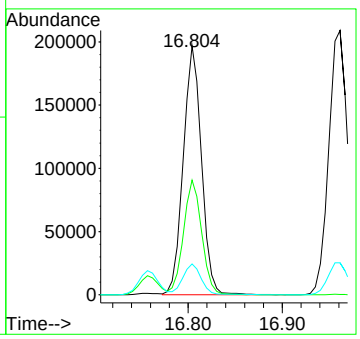


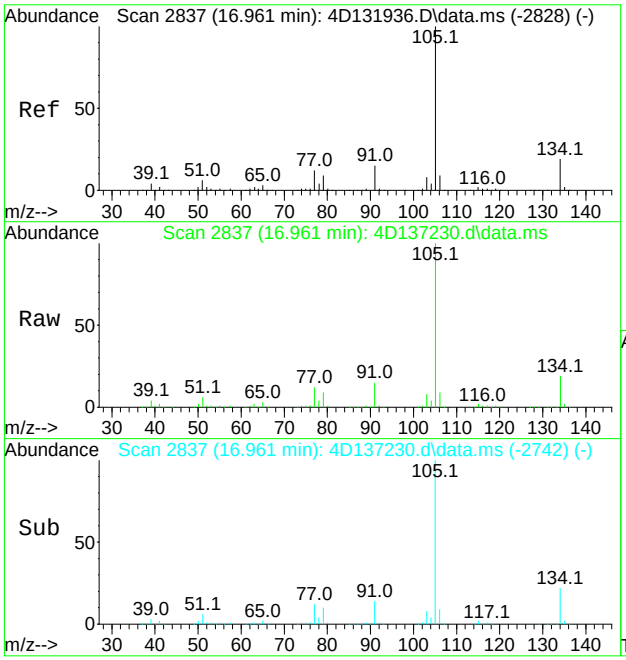


#107
1,2,4-trimethylbenzene
Concen: 17.6261 ug/L
RT: 16.804 min Scan# 2807
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:105 Resp: 265153

Ion	Ratio	Lower	Upper
105	100		
120	46.1	15.8	75.8
77	12.4	0.0	41.4

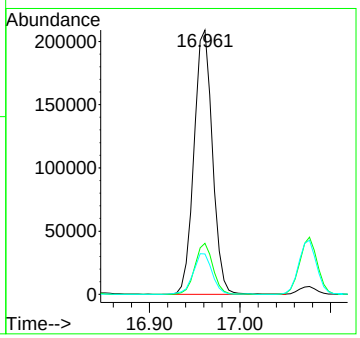


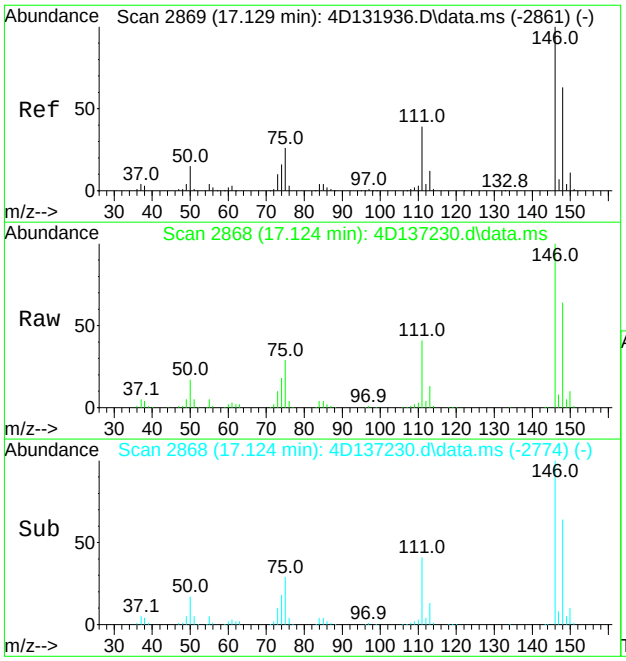


#108
sec-butylbenzene
Concen: 17.0277 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. 0.000 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:105 Resp: 295503

Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	48.6
91	15.3	0.0	45.4

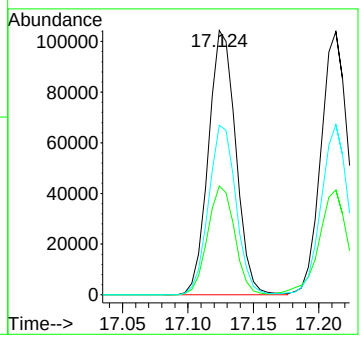


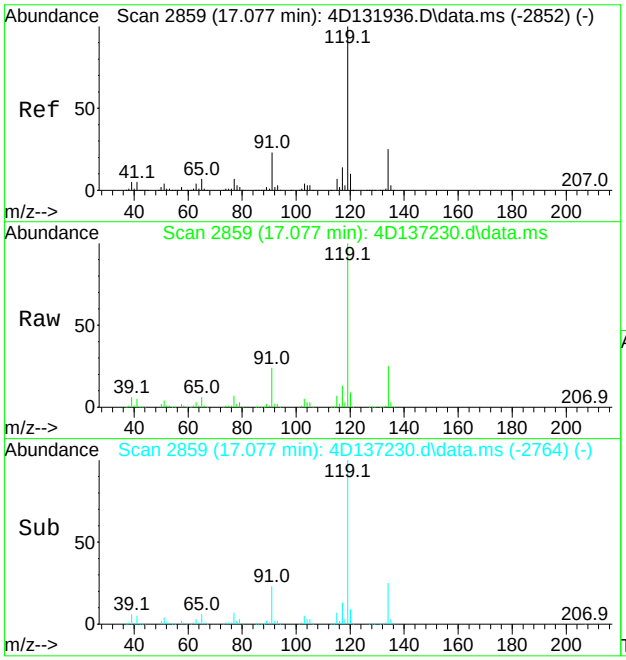


#109
1,3-dichlorobenzene
Concen: 17.3647 ug/L
RT: 17.124 min Scan# 2868
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:146 Resp: 152354

Ion	Ratio	Lower	Upper
146	100		
111	41.1	9.4	69.4
148	64.1	33.3	93.3

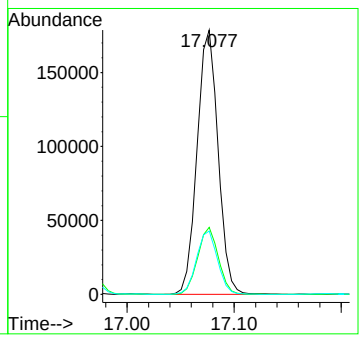


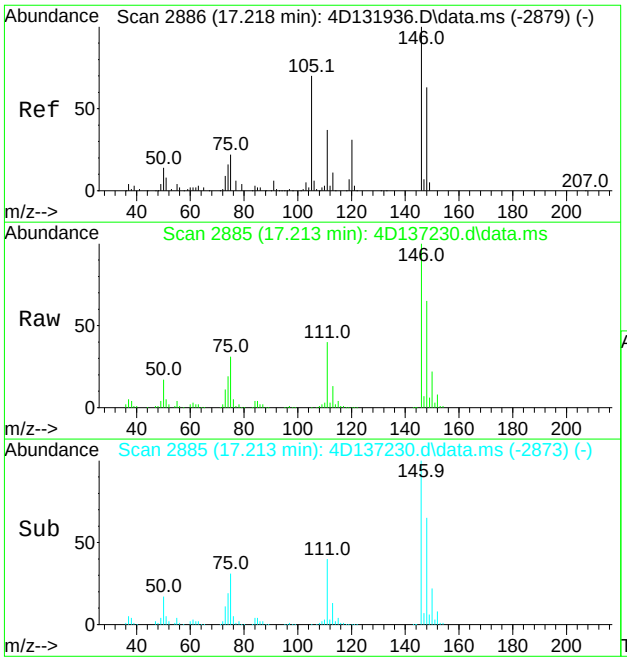


#110
p-isopropyltoluene
Concen: 16.9652 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. -0.000 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:119 Resp: 243949

Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	55.5
91	24.0	0.0	53.2

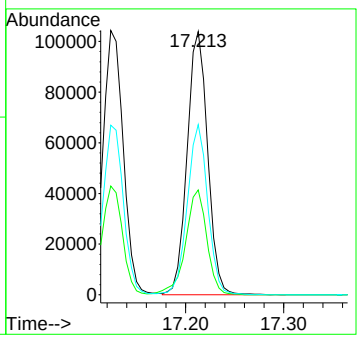


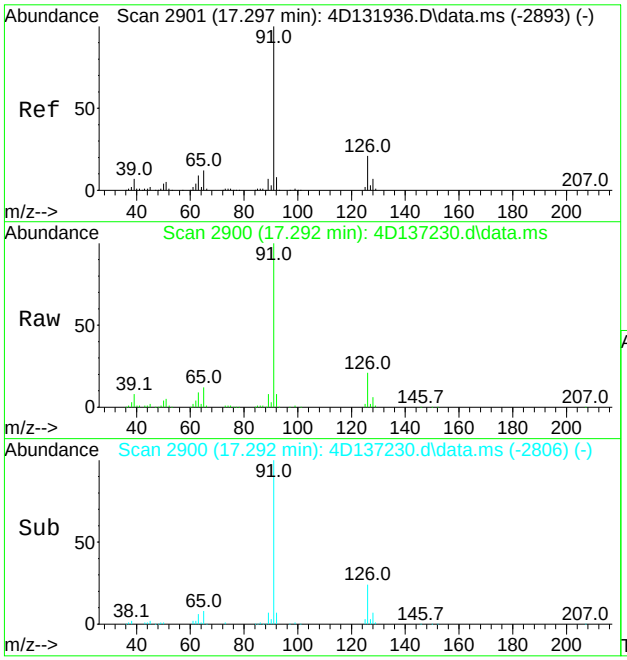


#111
1,4-dichlorobenzene
Concen: 17.9155 ug/L
RT: 17.213 min Scan# 2885
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:146 Resp: 151341

Ion	Ratio	Lower	Upper
146	100		
111	39.8	7.6	67.6
148	64.7	33.6	93.6

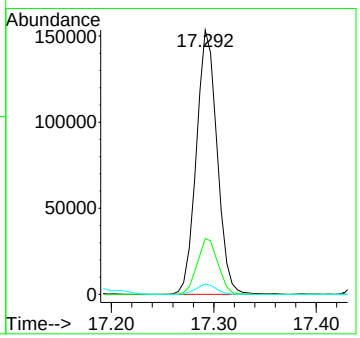


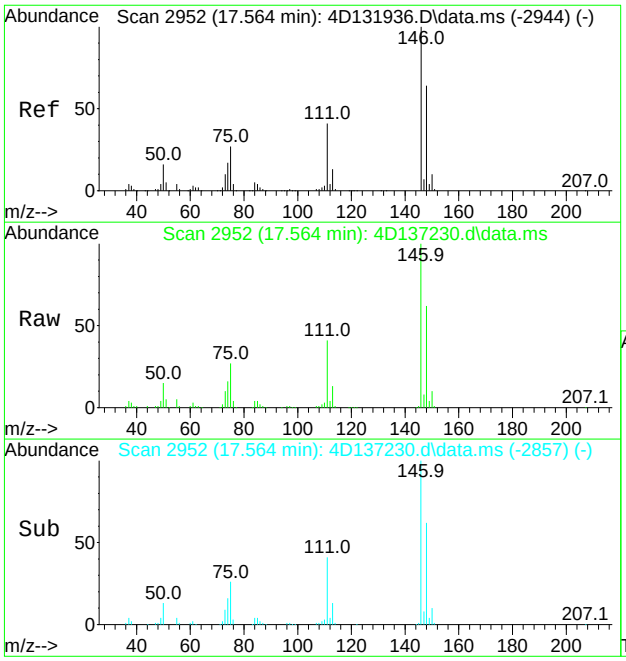


#113
benzyl chloride
Concen: 18.8733 ug/L
RT: 17.292 min Scan# 2900
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 91 Resp: 216794

Ion	Ratio	Lower	Upper
91	100		
126	21.1	0.0	51.2
62	3.9	0.0	34.2

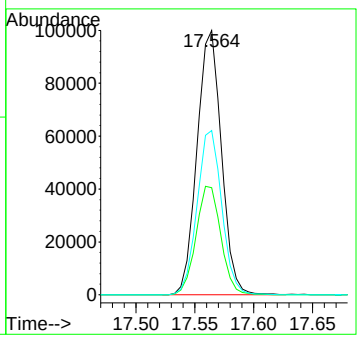


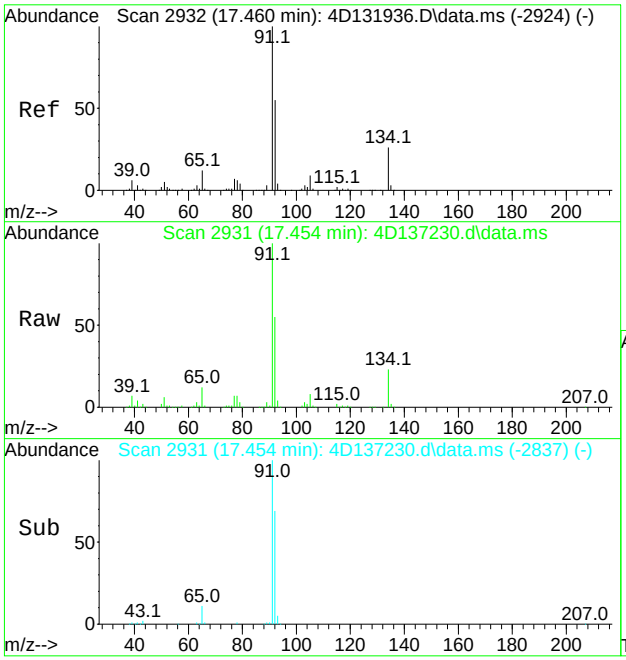


#114
1,2-dichlorobenzene
Concen: 17.4409 ug/L
RT: 17.564 min Scan# 2952
Delta R.T. 0.000 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:146 Resp: 144385

Ion	Ratio	Lower	Upper
146	100		
111	40.5	11.4	71.4
148	62.1	33.6	93.6

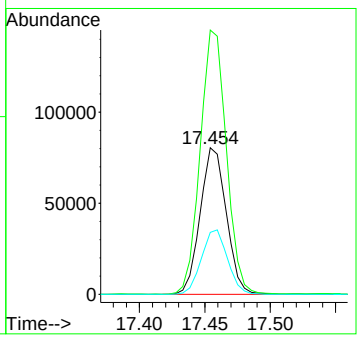


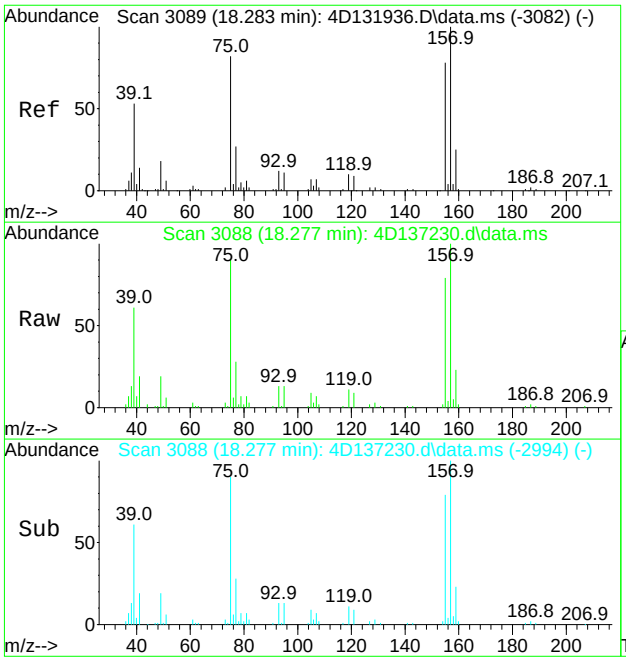


#115
n-butylbenzene
Concen: 17.6553 ug/L
RT: 17.454 min Scan# 2931
Delta R.T. -0.006 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion: 92 Resp: 111924

Ion	Ratio	Lower	Upper
92	100		
91	180.5	151.4	211.4
134	42.4	16.5	76.5

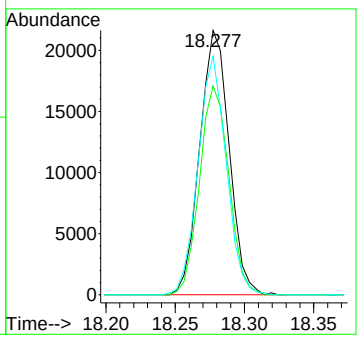


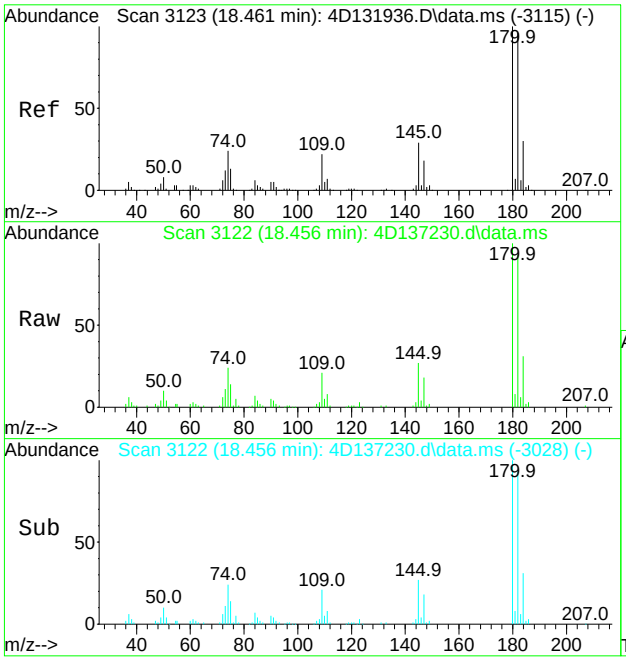


#116
1,2-dibromo-3-chloropropane
Concen: 17.2402 ug/L
RT: 18.277 min Scan# 3088
Delta R.T. -0.006 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:157 Resp: 31867

Ion	Ratio	Lower	Upper
157	100		
155	79.0	48.1	108.1
75	90.2	52.3	112.3

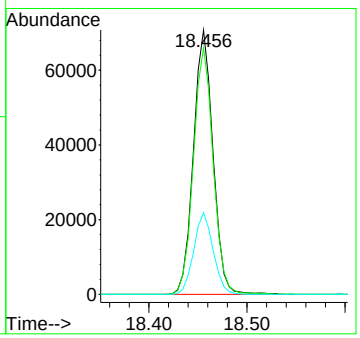


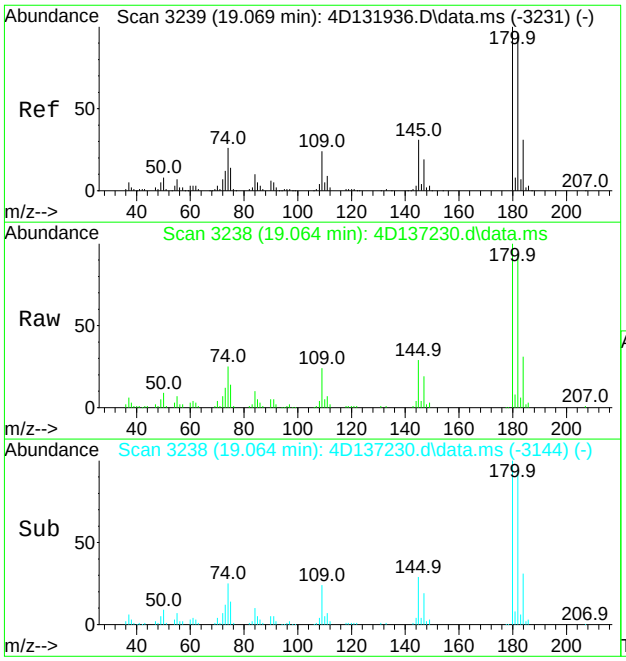


#117
1,3,5-trichlorobenzene
Concen: 19.1508 ug/L
RT: 18.456 min Scan# 3122
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:180 Resp: 98019

Ion	Ratio	Lower	Upper
180	100		
182	93.3	66.1	126.1
184	30.9	0.3	60.3

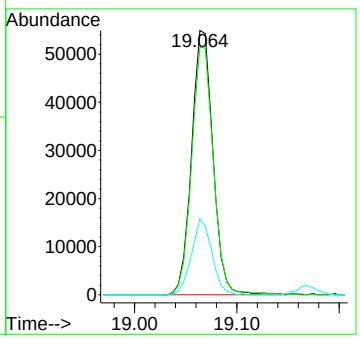


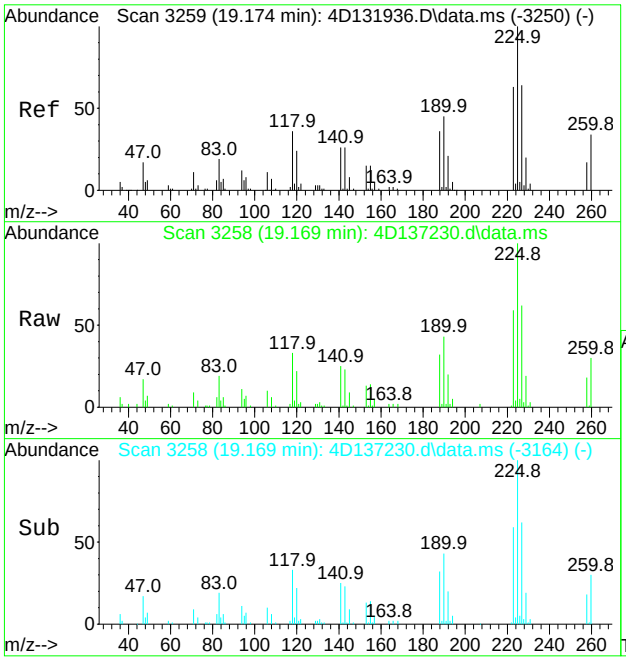


#118
1,2,4-trichlorobenzene
Concen: 17.9378 ug/L
RT: 19.064 min Scan# 3238
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:180 Resp: 79927

Ion	Ratio	Lower	Upper
180	100		
182	93.6	65.6	125.6
145	28.6	0.8	60.8

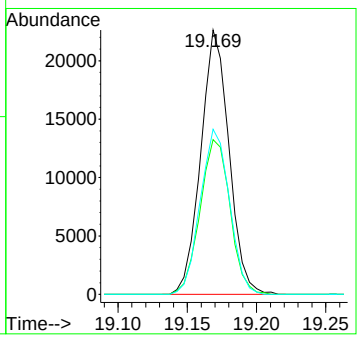


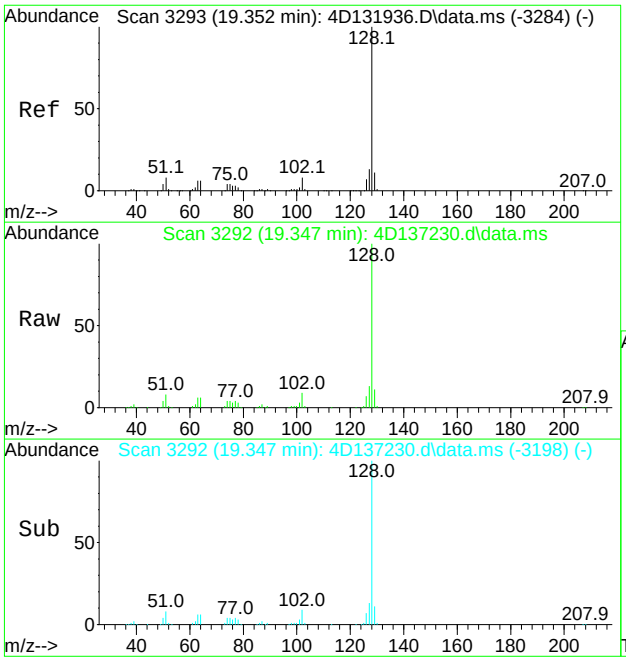


#119
hexachlorobutadiene
Concen: 18.3779 ug/L
RT: 19.169 min Scan# 3258
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:225 Resp: 31965

Ion	Ratio	Lower	Upper
225	100		
223	58.5	33.3	93.3
227	62.4	33.8	93.8

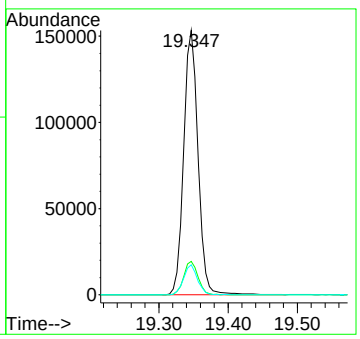


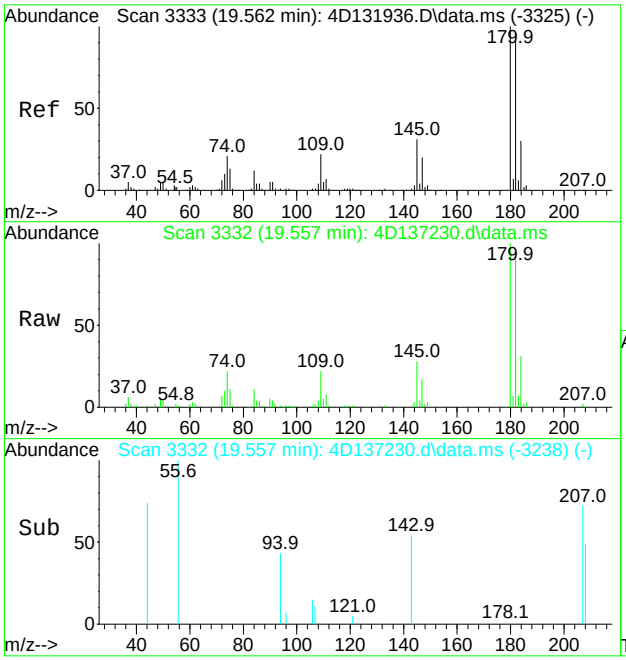


#120
naphthalene
Concen: 14.9892 ug/L
RT: 19.347 min Scan# 3292
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:128 Resp: 221695

Ion	Ratio	Lower	Upper
128	100		
127	12.7	0.0	42.5
129	11.4	0.0	41.0

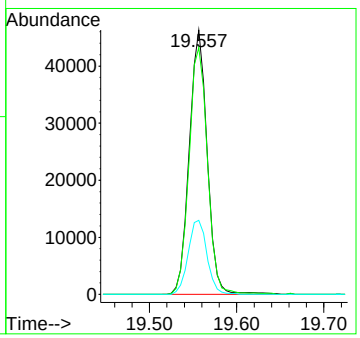


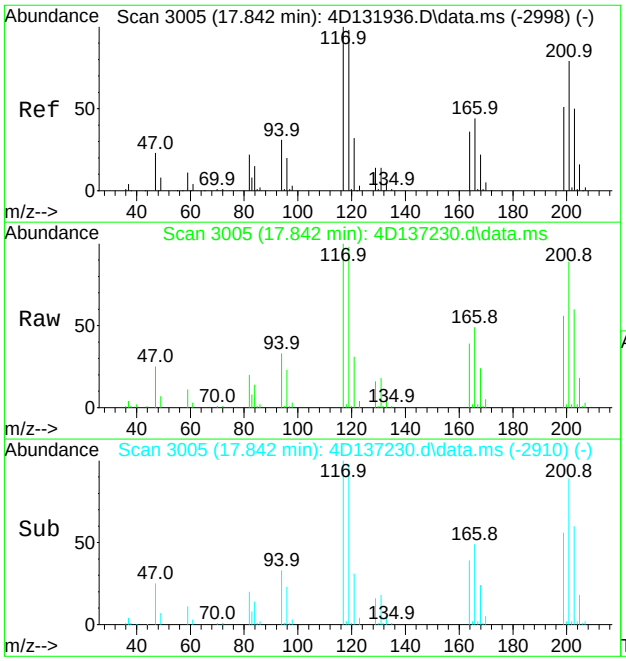


#121
1,2,3-trichlorobenzene
Concen: 16.6350 ug/L
RT: 19.557 min Scan# 3332
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:180 Resp: 66062

Ion	Ratio	Lower	Upper
180	100		
182	93.3	66.3	126.3
145	28.0	1.3	61.3

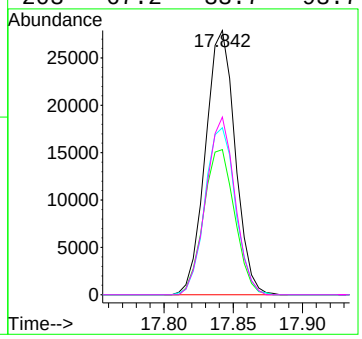


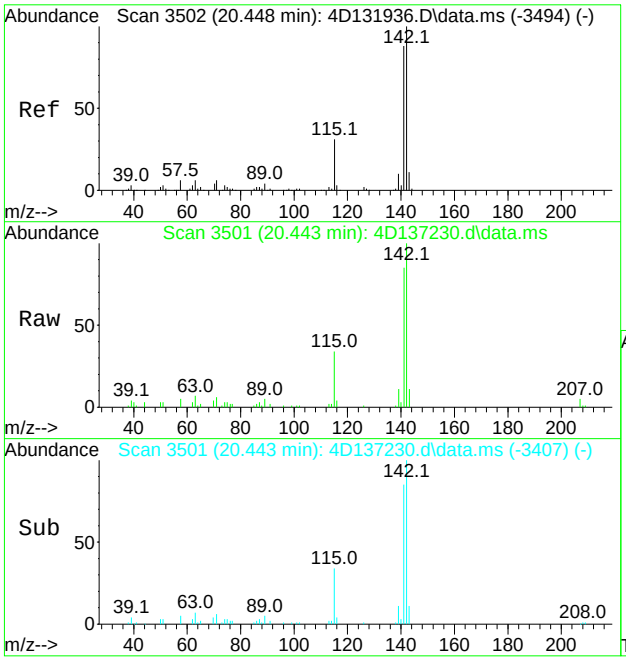


#122
hexachloroethane
Concen: 19.2066 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. 0.000 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:201 Resp: 41618

Ion	Ratio	Lower	Upper
201	100		
166	54.9	26.1	86.1
199	63.2	33.8	93.8
203	67.2	33.7	93.7

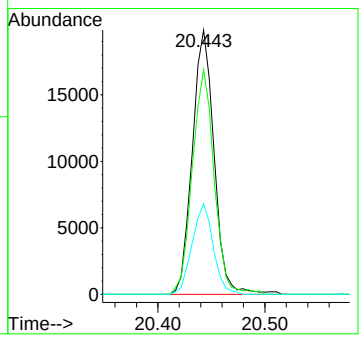




#123
2-methylnaphthalene
Concen: 4.4639 ug/L
RT: 20.443 min Scan# 3501
Delta R.T. -0.005 min
Lab File: 4D137230.d
Acq: 11 Jun 2024 10:35 am

Tgt Ion:142 Resp: 28085

Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.9	107.9
115	34.3	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137137.D
Acq On : 6 Jun 2024 5:41 pm
Operator : nickw
Sample : jd89657-9ms Inst : GCMS4D
Misc : MS81711,V4D6052,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 16:50:39 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.813	65	603605	500.00	ug/L	-0.02
5) pentafluorobenzene	11.293	168	505852	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.201	114	877723	50.00	ug/L	0.00
73) chlorobenzene-d5	15.068	117	707903	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	302857	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.293	168	505852	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	302857	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.330	113	296858	54.98	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.96%			
52) 1,2-dichloroethane-d4 (s)	11.750	65	309249	48.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.00%			
74) toluene-d8 (s)	13.700	98	937001	49.98	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.96%			
97) 4-bromofluorobenzene (s)	16.122	95	344244	53.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.82%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.945	59	392306	205.1685	ug/L	97
3) ethanol	7.309	45	403971	2224.3501	ug/L	99
4) 1,4-dioxane	12.803	88	70801	587.3991	ug/L	96
7) dichlorodifluoromethane	4.740	85	107530	13.9720	ug/L	100
8) chloromethane	5.238	50	93578	11.1458	ug/L	97
9) vinyl chloride	5.500	62	165176	23.7942	ug/L	99
10) 1,3-butadiene	5.600	54	162972	29.5422	ug/L	94
11) bromomethane	6.286	94	73320	19.6465	ug/L	98
12) chloroethane	6.528	64	71842	17.9635	ug/L	98
13) trichlorofluoromethane	7.078	101	180233	21.8697	ug/L	99
14) ethyl ether	7.587	74	77796	27.3352	ug/L	93
15) acrolein	7.849	56	14748	8.7304	ug/L	91
16) freon 113	8.064	151	90425	24.3775	ug/L	95
17) 1,1-dichloroethene	8.074	96	120875	28.6121	ug/L	92
18) acetone	8.079	58	79498	63.5952	ug/L	95
19) acetonitrile	8.551	41	321120	259.0513	ug/L	100
20) iodomethane	8.363	142	125487	20.7277	ug/L	98
21) carbon disulfide	8.520	76	333035	25.3643	ug/L	97
22) methylene chloride	8.887	84	137985	24.5964	ug/L	92
23) methyl acetate	8.614	74	34072	25.9518	ug/L	95
24) methyl tert butyl ether	9.280	73	453582	28.8344	ug/L	98
25) trans-1,2-dichloroethene	9.327	96	130518	27.3969	ug/L	94
26) di-isopropyl ether	9.946	45	471024	25.1376	ug/L	100
27) 2-butanone	10.664	72	109035	95.9234	ug/L	94
28) 1,1-dichloroethane	9.967	63	314424	32.6376	ug/L	98
29) chloroprene	10.077	53	206983	23.7095	ug/L	94
30) acrylonitrile	9.212	53	80284	24.5495	ug/L	95
31) hexane	9.726	56	48873	10.8940	ug/L	93
32) vinyl acetate	9.894	86	32450	29.6152	ug/L	95
33) ethyl tert-butyl ether	10.444	59	430899	23.1016	ug/L	96
34) ethyl acetate	10.685	70	25613	23.6938	ug/L	87
35) 2,2-dichloropropane	10.764	77	198049	26.2348	ug/L	96
36) cis-1,2-dichloroethene	10.738	96	295075	53.0904	ug/L	92
37) methyl acrylate	10.769	55	225010	22.6118	ug/L	97
38) propionitrile	10.743	54	326868	225.0999	ug/L	92
39) bromochloromethane	11.052	128	69907	25.1631	ug/L	97
40) tetrahydrofuran	11.068	72	36929	31.4352	ug/L	99
41) chloroform	11.136	85	156603	27.9763	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137137.D
Acq On : 6 Jun 2024 5:41 pm
Operator : nickw
Sample : jd89657-9ms Inst : GCMS4D
Misc : MS81711,V4D6052,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 16:50:39 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	11.168	59	19687	8.0977	ug/L		96
44) methacrylonitrile	10.953	67	75393	24.0743	ug/L		95
45) 1,1,1-trichloroethane	11.398	97	201504	26.3313	ug/L		96
46) cyclohexane	11.508	84	126878	18.4002	ug/L	#	78
47) 1,1-dichloropropene	11.571	75	174664	27.1234	ug/L		97
48) isobutyl alcohol	11.529	74	13352	225.0711	ug/L	#	72
49) carbon tetrachloride	11.592	117	169324	25.6994	ug/L		100
50) tert amyl alcohol	11.681	55	59777	107.3098	ug/L		96
53) n-butyl alcohol	12.242	56	447053	1020.8348	ug/L		88
54) 2,2,4-trimethylpentane	11.896	57	303648	20.4839	ug/L		99
55) benzene	11.813	78	489080	25.1272	ug/L		99
56) tert-amyl methyl ether	11.881	87	83628	22.5066	ug/L		95
57) heptane	12.048	71	75880	23.5043	ug/L		90
58) isopropyl acetate	11.713	87	35916	24.2479	ug/L	#	92
59) 1,2-dichloroethane	11.833	62	168006	20.8101	ug/L		95
60) trichloroethene	12.499	130	126406	23.4720	ug/L		97
61) ethyl acrylate	12.473	55	219778	21.2340	ug/L		98
64) methyl methacrylate	12.720	100	40675	21.9034	ug/L		91
65) 1,2-dichloropropane	12.767	63	129614	23.2891	ug/L		99
66) dibromomethane	12.866	93	82732	23.6005	ug/L		97
67) methylcyclohexane	12.772	83	174121	22.6607	ug/L		95
68) bromodichloromethane	13.003	83	168697	23.5443	ug/L		97
69) epichlorohydrin	13.296	57	96879	91.2550	ug/L		99
70) cis-1,3-dichloropropene	13.417	75	205373	24.0935	ug/L		98
71) 4-methyl-2-pentanone	13.501	58	278679	83.2093	ug/L	#	78
75) toluene	13.768	92	273839	23.1767	ug/L		99
76) trans-1,3-dichloropropene	13.931	75	174864	22.4447	ug/L		99
77) ethyl methacrylate	13.910	69	170111	22.1700	ug/L		99
78) 1,1,2-trichloroethane	14.135	83	97485	23.1618	ug/L		95
79) tetrachloroethene	14.272	164	96133	23.4101	ug/L		99
80) 1,3-dichloropropane	14.298	76	181104	24.4126	ug/L		97
81) 2-hexanone	14.272	58	283018	76.6179	ug/L	#	85
82) butyl acetate	14.329	56	103212	19.6403	ug/L	#	81
83) dibromochloromethane	14.528	129	125290	21.3861	ug/L		99
84) 1,2-dibromoethane	14.670	107	123188	22.9471	ug/L		98
85) n-butyl ether	15.032	57	473091	21.2875	ug/L		99
86) chlorobenzene	15.100	112	290107	22.3209	ug/L		96
87) 1,1,1,2-tetrachloroethane	15.152	131	102073	21.7540	ug/L		98
88) ethylbenzene	15.147	91	478388	22.5516	ug/L		99
89) m,p-xylene	15.257	106	362360	44.4057	ug/L		99
90) o-xylene	15.619	106	178785	22.3765	ug/L		99
91) styrene	15.629	104	283169	21.1130	ug/L		97
92) bromoform	15.850	173	91203	21.8004	ug/L		100
93) butyl acrylate	15.441	55	242984	19.3715	ug/L		97
94) isopropylbenzene	15.934	105	413847	22.3525	ug/L		99
95) cis-1,4-dichloro-2-butene	15.965	88	12241	5.0158	ug/L		95
98) bromobenzene	16.295	156	117688	23.1051	ug/L		93
99) 1,1,2,2-tetrachloroethane	16.185	83	155525	23.0494	ug/L		99
100) trans-1,4-dichloro-2-b...	16.211	53	13588	6.6171	ug/L		92
101) 1,2,3-trichloropropane	16.269	110	40881	22.5968	ug/L		98
102) n-propylbenzene	16.306	91	485461	22.8391	ug/L		98
103) 2-chlorotoluene	16.437	126	103329	22.5542	ug/L		95
104) 4-chlorotoluene	16.537	91	311446	22.2903	ug/L		98
105) 1,3,5-trimethylbenzene	16.447	105	322428	21.5389	ug/L		98
106) tert-butylbenzene	16.757	134	60706	21.8545	ug/L		96
107) 1,2,4-trimethylbenzene	16.804	105	321354	21.3008	ug/L		97
108) sec-butylbenzene	16.961	105	373920	21.4844	ug/L		99
109) 1,3-dichlorobenzene	17.124	146	188079	21.3750	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137137.D
Acq On : 6 Jun 2024 5:41 pm
Operator : nickw
Sample : jd89657-9ms Inst : GCMS4D
Misc : MS81711,V4D6052,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 16:50:39 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

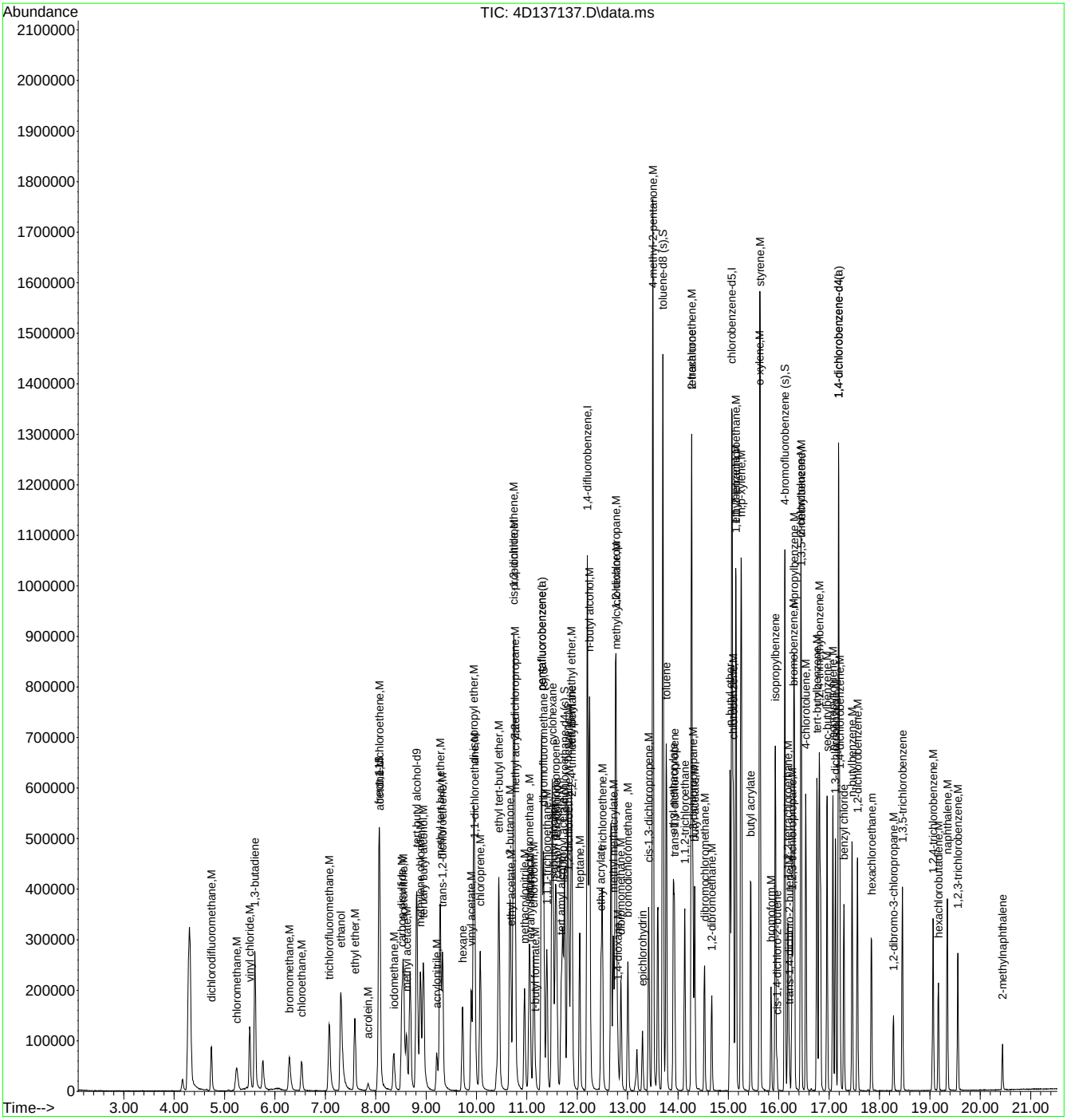
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) p-isopropyltoluene	17.077	119	302413	20.9707	ug/L	99
111) 1,4-dichlorobenzene	17.213	146	184541	21.7830	ug/L	98
113) benzyl chloride	17.291	91	241894	20.9980	ug/L	99
114) 1,2-dichlorobenzene	17.564	146	178070	21.4481	ug/L	99
115) n-butylbenzene	17.454	92	137287	21.5940	ug/L	97
116) 1,2-dibromo-3-chloropr...	18.277	157	37934	20.4636	ug/L	96
117) 1,3,5-trichlorobenzene	18.455	180	117574	22.9056	ug/L	100
118) 1,2,4-trichlorobenzene	19.064	180	97582	21.8372	ug/L	97
119) hexachlorobutadiene	19.169	225	42119	24.1463	ug/L	100
120) naphthalene	19.347	128	270503	18.2367	ug/L	99
121) 1,2,3-trichlorobenzene	19.556	180	81172	20.3812	ug/L	97
122) hexachloroethane	17.842	201	51547	23.7205	ug/L	97
123) 2-methylnaphthalene	20.443	142	39061	6.1906	ug/L	97

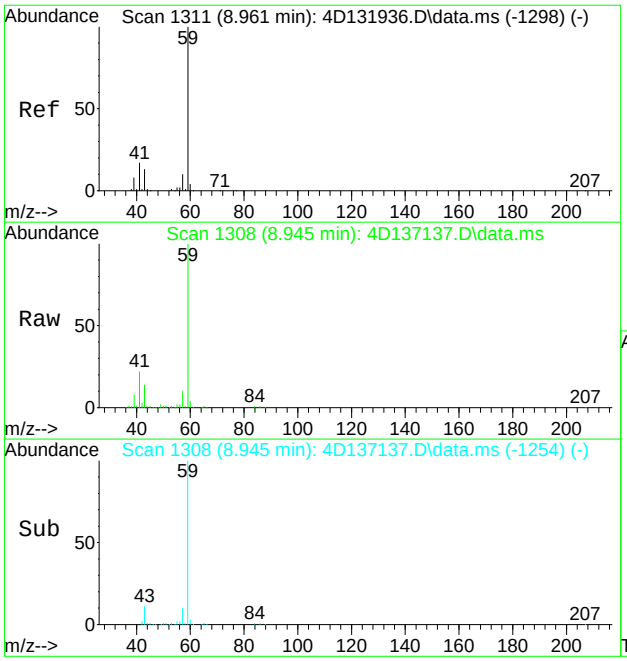
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137137.D
Acq On : 6 Jun 2024 5:41 pm
Operator : nickw
Sample : jd89657-9ms Inst : GCMS4D
Misc : MS81711,V4D6052,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 16:50:39 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

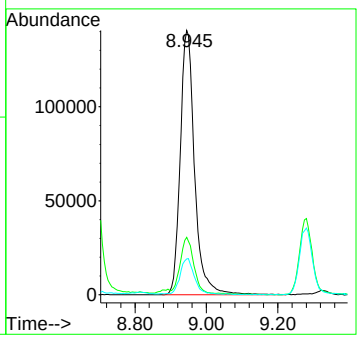


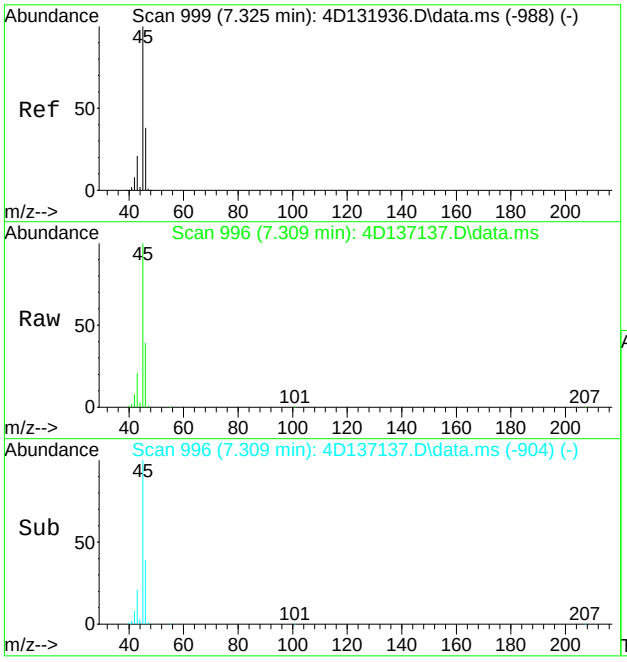


#2
tertiary butyl alcohol
Concen: 205.1685 ug/L
RT: 8.945 min Scan# 1308
Delta R.T. -0.016 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 59 Resp: 392306

Ion	Ratio	Lower	Upper
59	100		
41	21.5	0.0	49.8
43	13.4	0.0	43.7

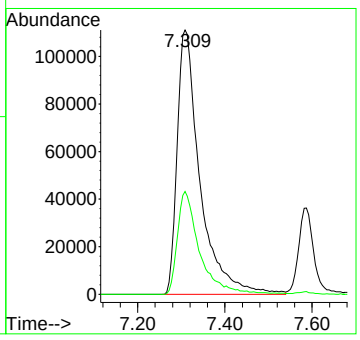


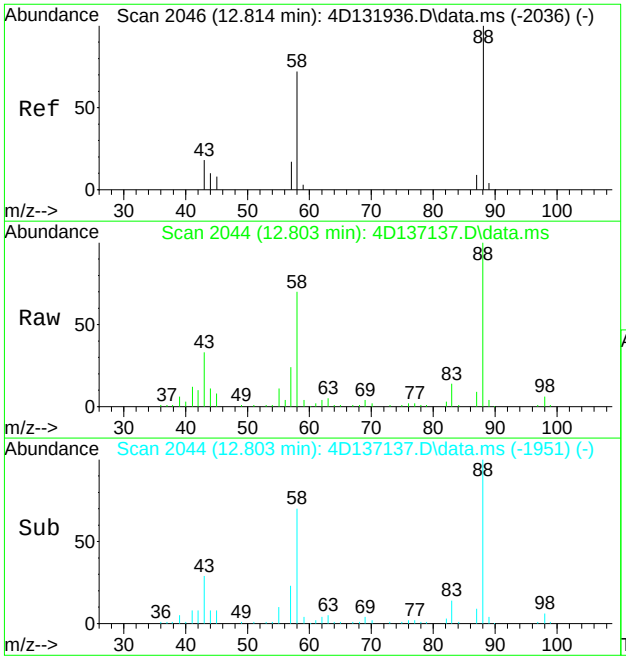


#3
ethanol
Concen: 2224.3501 ug/L
RT: 7.309 min Scan# 996
Delta R.T. -0.016 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 45 Resp: 403971

Ion	Ratio	Lower	Upper
45	100		
46	38.9	8.2	68.2

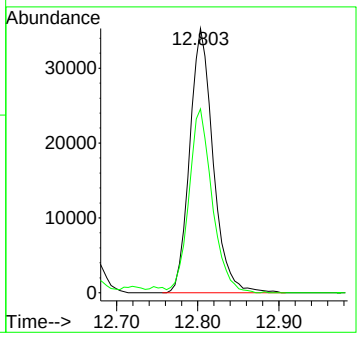


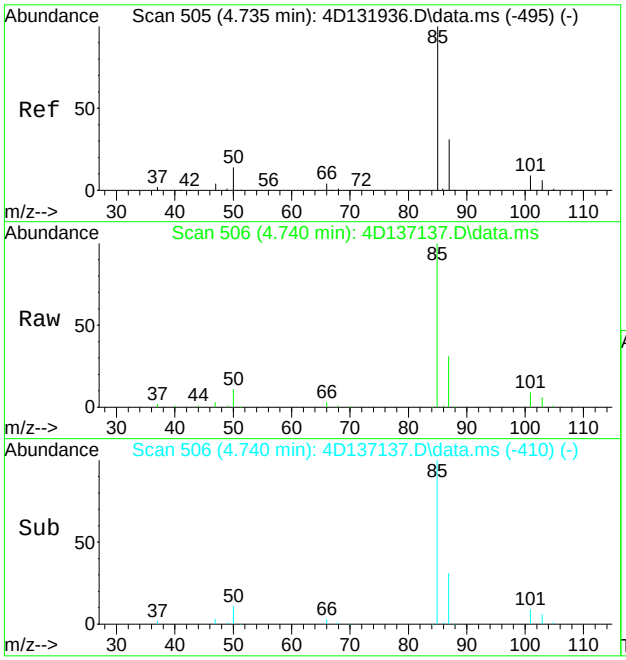


#4
1,4-dioxane
Concen: 587.3991 ug/L
RT: 12.803 min Scan# 2044
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 88 Resp: 70801

Ion	Ratio	Lower	Upper
88	100		
58	69.5	43.1	103.1

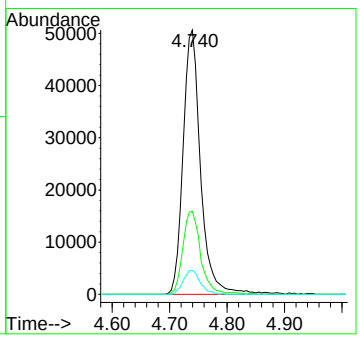


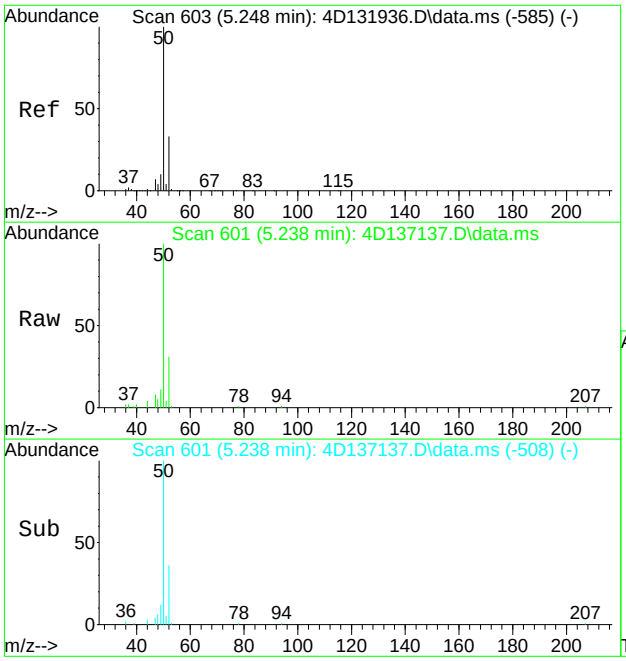


#7
dichlorodifluoromethane
Concen: 13.9720 ug/L
RT: 4.740 min Scan# 506
Delta R.T. 0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 85 Resp: 107530

Ion	Ratio	Lower	Upper
85	100		
87	31.4	1.4	61.4
101	9.0	0.0	39.3

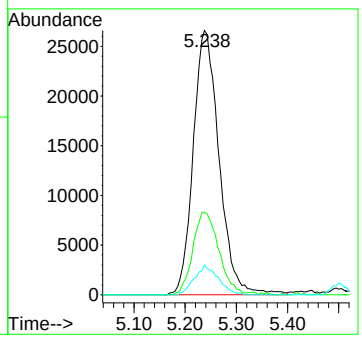


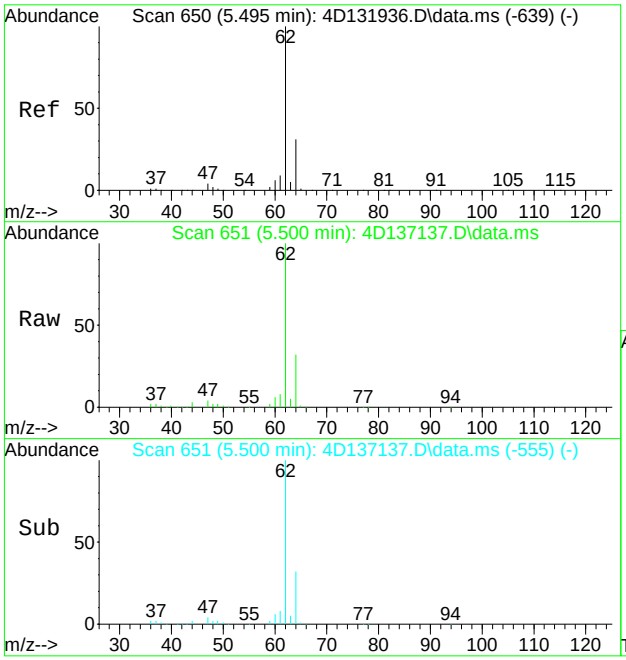


#8
chloromethane
Concen: 11.1458 ug/L
RT: 5.238 min Scan# 601
Delta R.T. -0.010 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 50 Resp: 93578

Ion	Ratio	Lower	Upper
50	100		
52	31.2	2.8	62.8
49	11.3	0.0	40.0

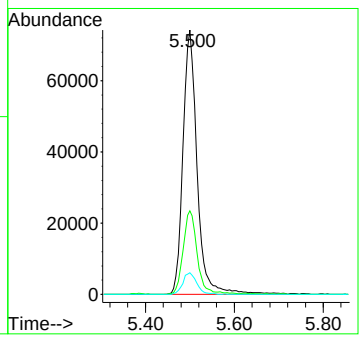


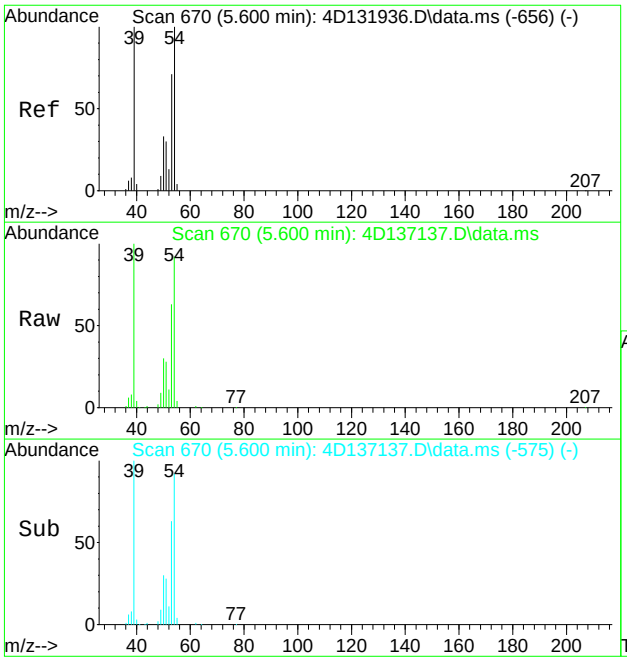


#9
vinyl chloride
Concen: 23.7942 ug/L
RT: 5.500 min Scan# 651
Delta R.T. 0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 62 Resp: 165176

Ion	Ratio	Lower	Upper
62	100		
64	31.6	1.2	61.2
61	8.2	0.0	38.7

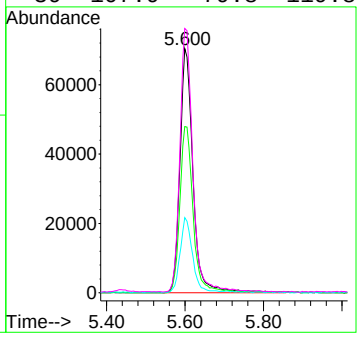


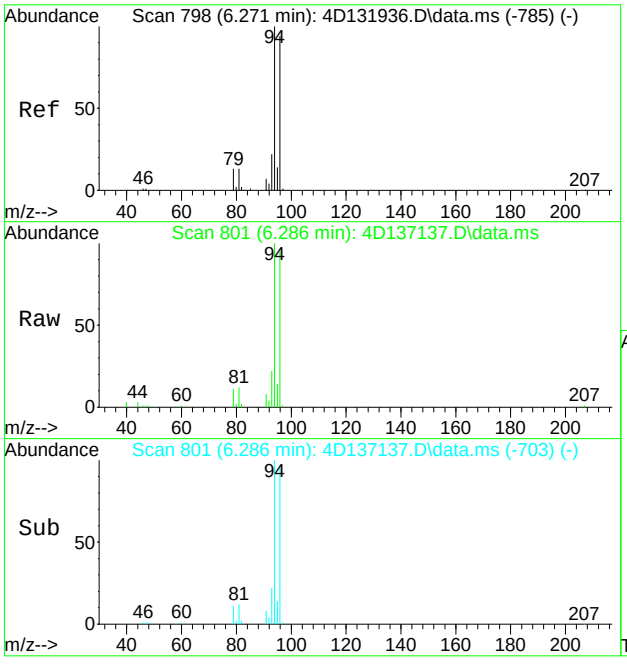


#10
1,3-butadiene
Concen: 29.5422 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 54 Resp: 162972

Ion	Ratio	Lower	Upper
54	100		
53	68.1	41.0	101.0
51	30.8	0.0	59.6
39	107.9	79.8	119.8

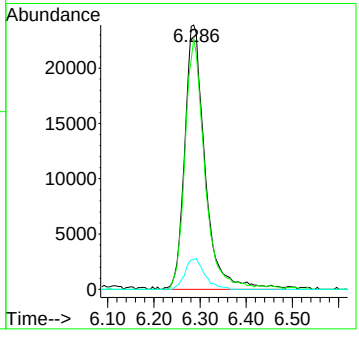


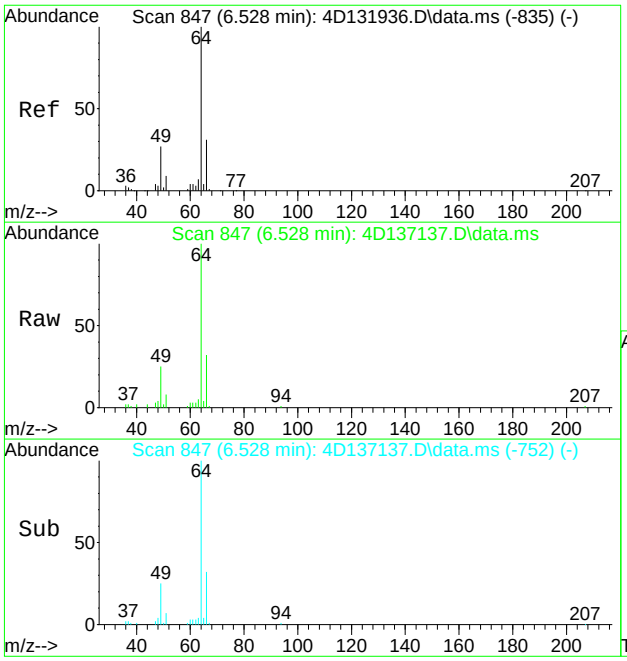


#11
bromomethane
Concen: 19.6465 ug/L
RT: 6.286 min Scan# 801
Delta R.T. 0.015 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 94 Resp: 73320

Ion	Ratio	Lower	Upper
94	100		
96	94.6	63.6	123.6
79	11.2	0.0	43.4

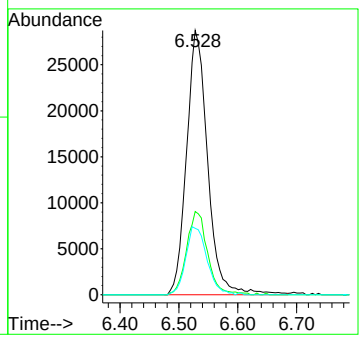


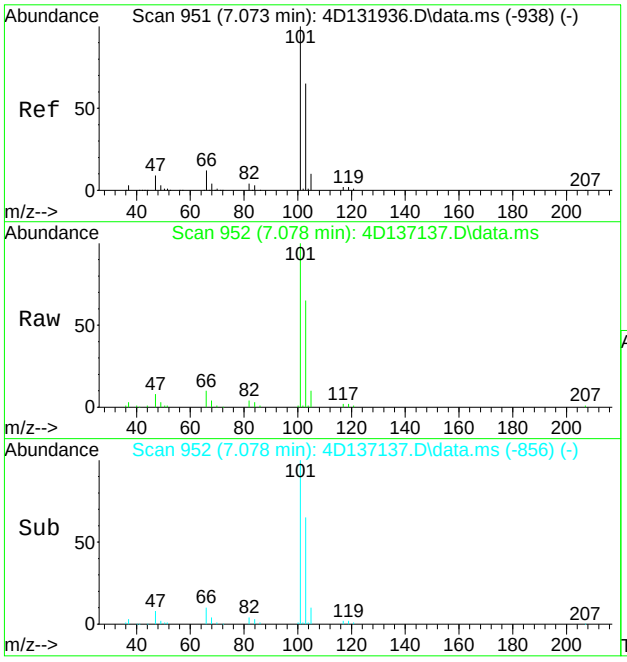


#12
chloroethane
Concen: 17.9635 ug/L
RT: 6.528 min Scan# 847
Delta R.T. -0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 64 Resp: 71842

Ion	Ratio	Lower	Upper
64	100		
66	31.5	1.2	61.2
49	25.1	0.0	57.3

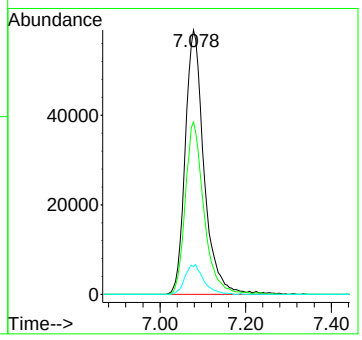


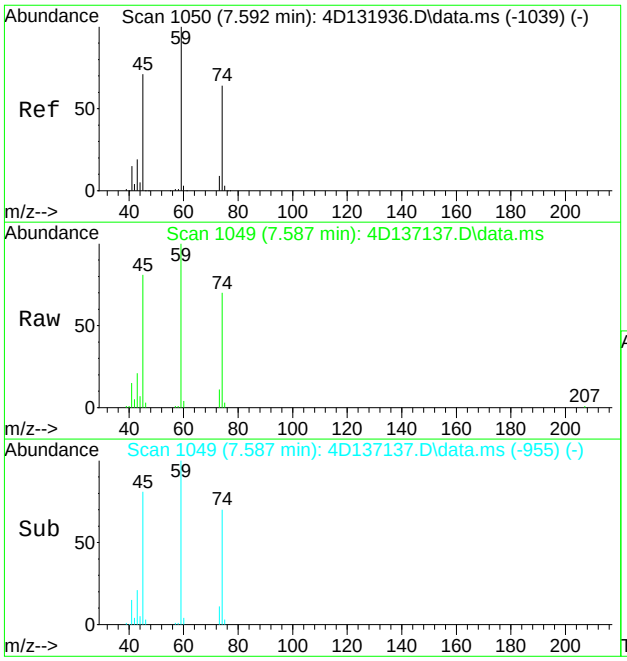


#13
trichlorofluoromethane
Concen: 21.8697 ug/L
RT: 7.078 min Scan# 952
Delta R.T. 0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:101 Resp: 180233

Ion	Ratio	Lower	Upper
101	100		
103	65.1	35.1	95.1
66	10.5	0.0	42.2

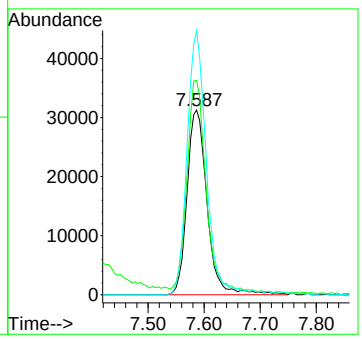


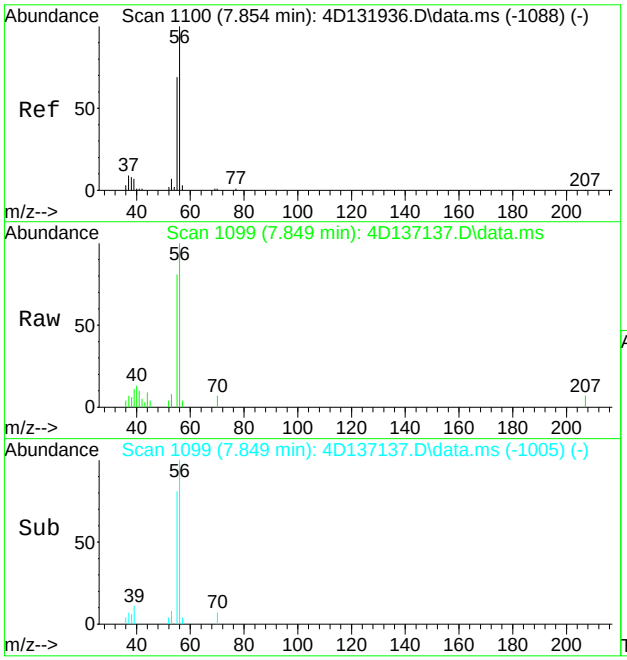


#14
ethyl ether
Concen: 27.3352 ug/L
RT: 7.587 min Scan# 1049
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 74 Resp: 77796

Ion	Ratio	Lower	Upper
74	100		
45	114.9	89.0	149.0
59	143.1	125.8	185.8

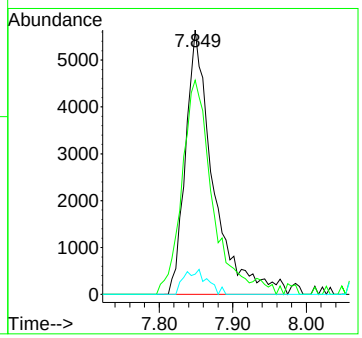


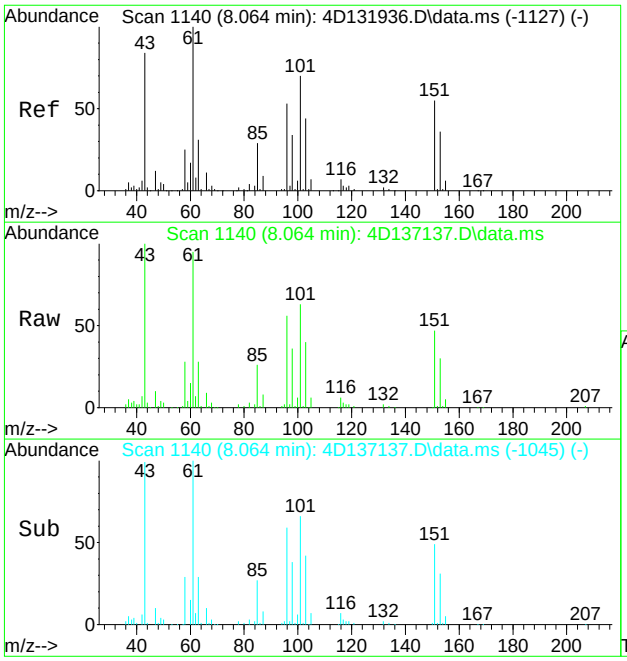


#15
acrolein
Concen: 8.7304 ug/L
RT: 7.849 min Scan# 1099
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 56 Resp: 14748

Ion	Ratio	Lower	Upper
56	100		
55	77.0	38.7	98.7
53	7.6	0.0	37.5

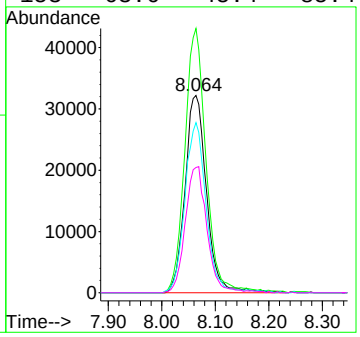


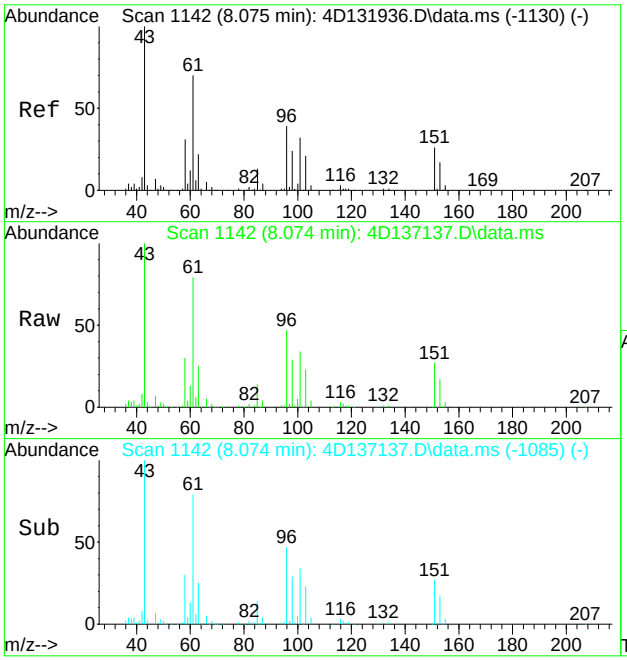


#16
freon 113
Concen: 24.3775 ug/L
RT: 8.064 min Scan# 1140
Delta R.T. -0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:151 Resp: 90425

Ion	Ratio	Lower	Upper
151	100		
101	134.1	107.6	147.6
103	86.2	61.2	101.2
153	63.6	45.4	85.4

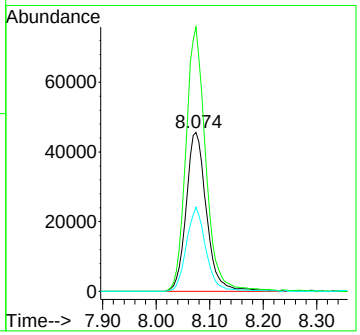


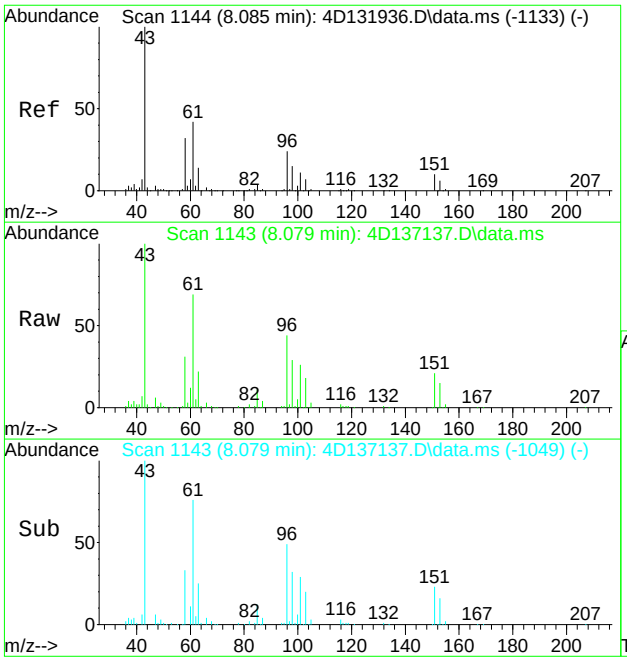


#17
1,1-dichloroethene
Concen: 28.6121 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.001 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 96 Resp: 120875

Ion	Ratio	Lower	Upper
96	100		
61	166.3	149.0	209.0
63	52.9	26.1	86.1

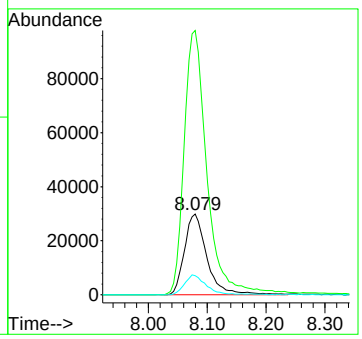


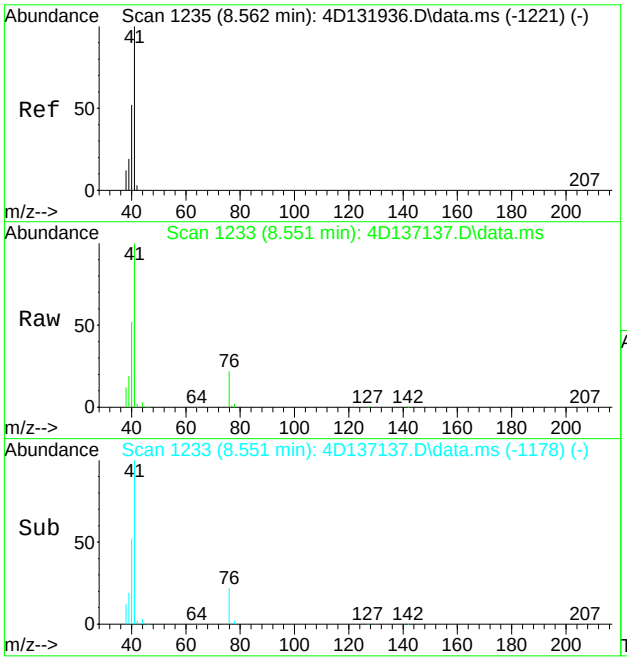


#18
acetone
Concen: 63.5952 ug/L
RT: 8.079 min Scan# 1143
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 58 Resp: 79498

Ion	Ratio	Lower	Upper
58	100		
43	327.0	285.1	345.1
42	23.6	0.0	53.5

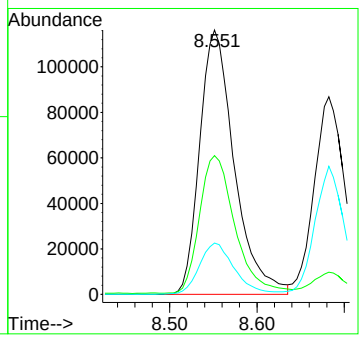


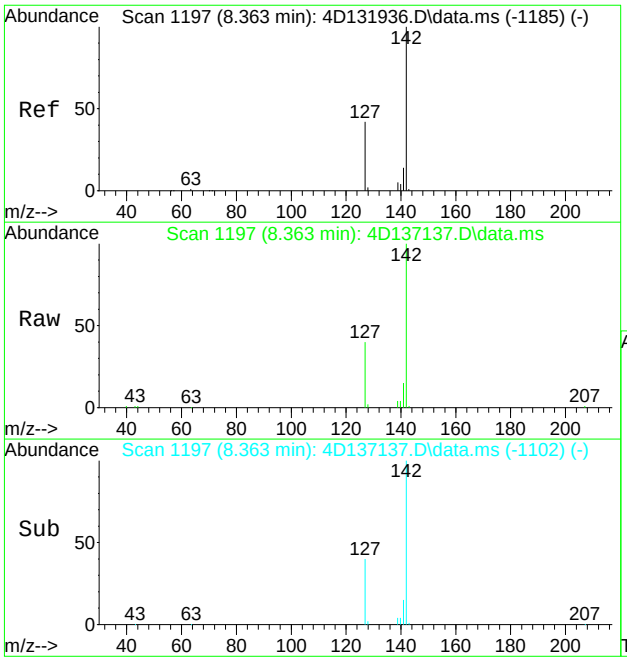


#19
acetonitrile
Concen: 259.0513 ug/L
RT: 8.551 min Scan# 1233
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 41 Resp: 321120

Ion	Ratio	Lower	Upper
41	100		
40	52.1	22.4	82.4
39	19.3	0.0	49.2

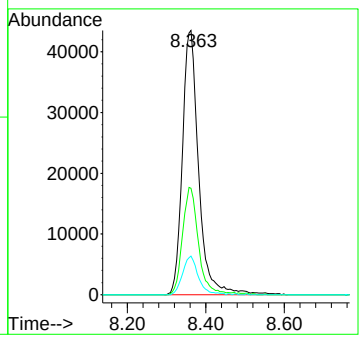


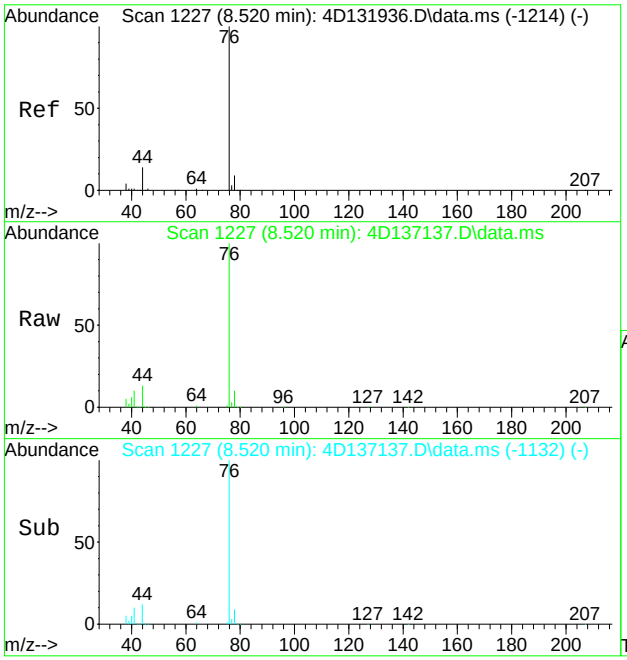


#20
iodomethane
Concen: 20.7277 ug/L
RT: 8.363 min Scan# 1197
Delta R.T. -0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:142 Resp: 125487

Ion	Ratio	Lower	Upper
142	100		
127	40.3	11.7	71.7
141	14.6	0.0	44.4

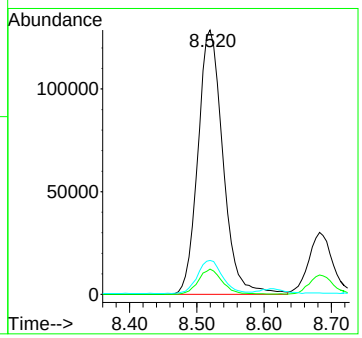


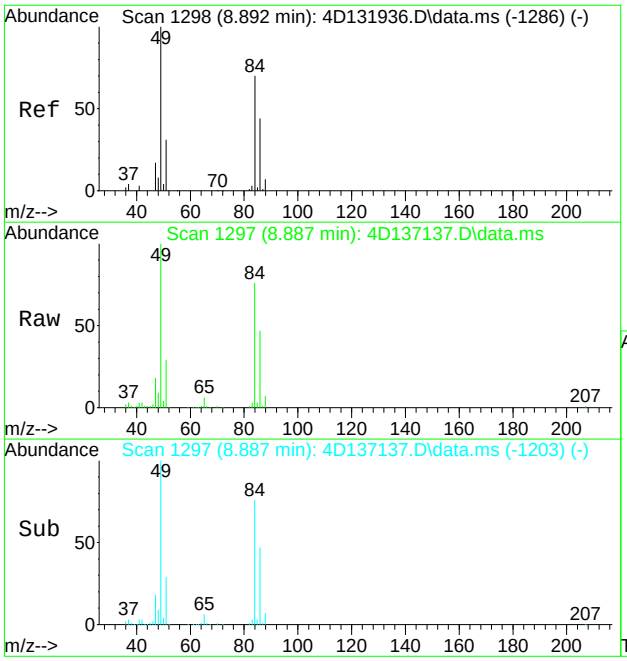


#21
carbon disulfide
Concen: 25.3643 ug/L
RT: 8.520 min Scan# 1227
Delta R.T. -0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 76 Resp: 333035

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	39.2
44	12.5	0.0	44.4

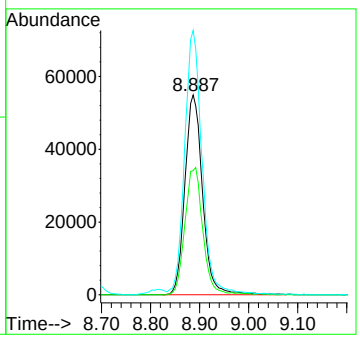


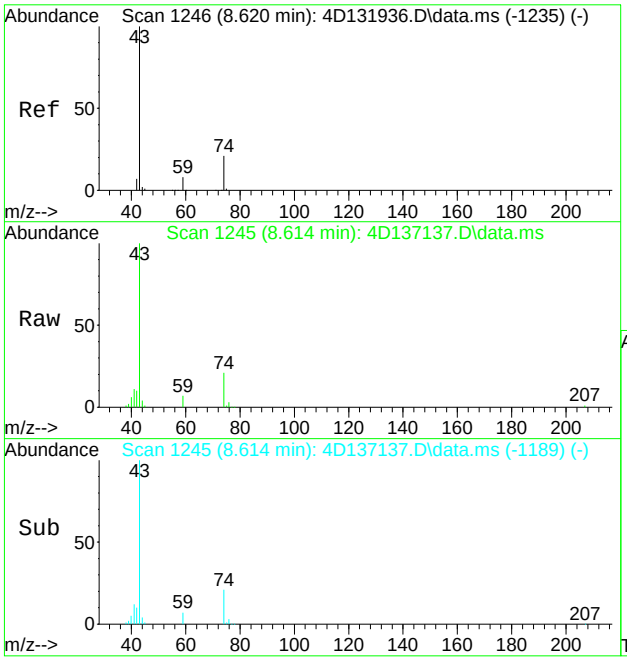


#22
methylene chloride
Concen: 24.5964 ug/L
RT: 8.887 min Scan# 1297
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 84 Resp: 137985

Ion	Ratio	Lower	Upper
84	100		
86	62.2	33.7	93.7
49	132.1	114.9	174.9

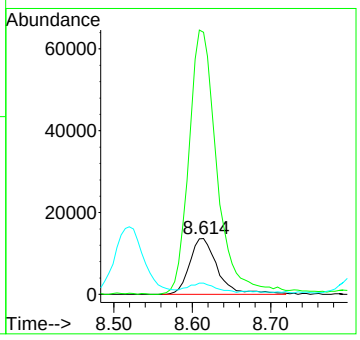


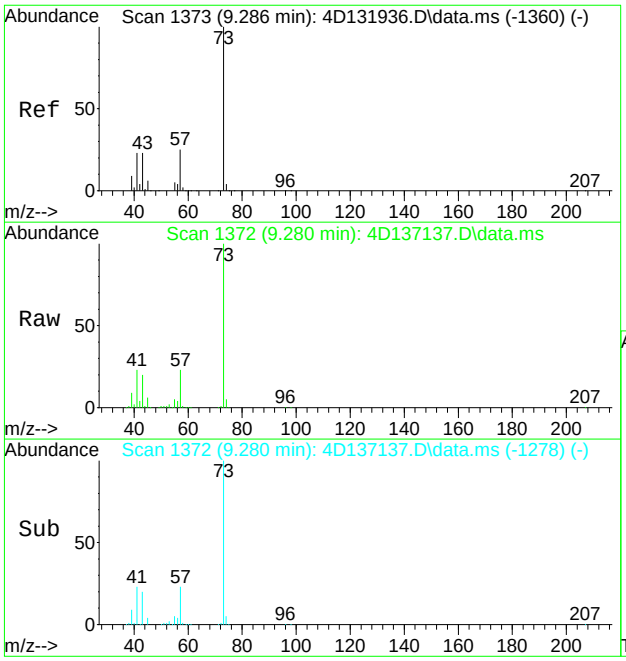


#23
methyl acetate
Concen: 25.9518 ug/L
RT: 8.614 min Scan# 1245
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 74 Resp: 34072

Ion	Ratio	Lower	Upper
74	100		
43	467.9	453.1	513.1
44	14.8	0.0	45.1

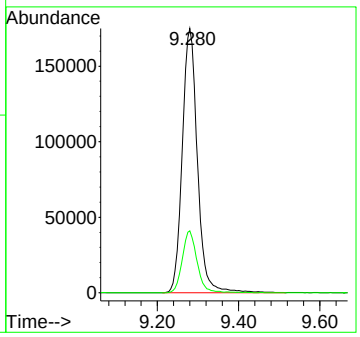


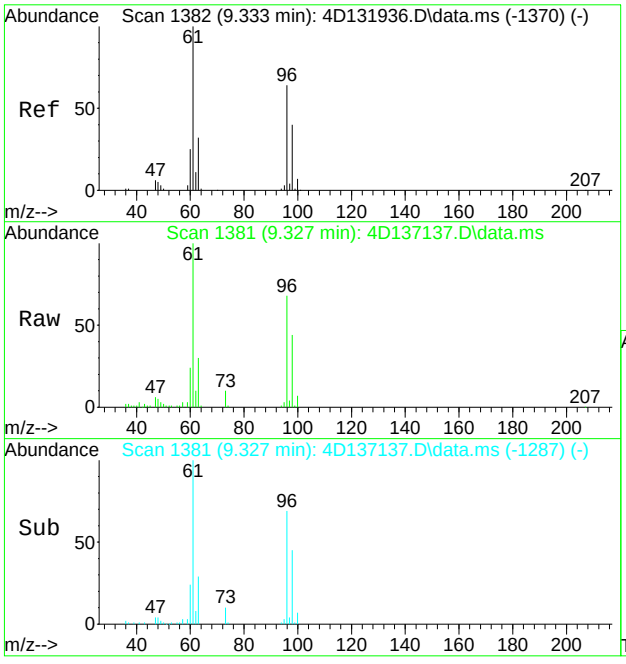


#24
methyl tert butyl ether
Concen: 28.8344 ug/L
RT: 9.280 min Scan# 1372
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 73 Resp: 453582

Ion	Ratio	Lower	Upper
73	100		
57	23.5	0.0	224.6

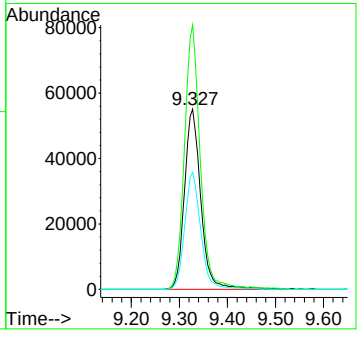


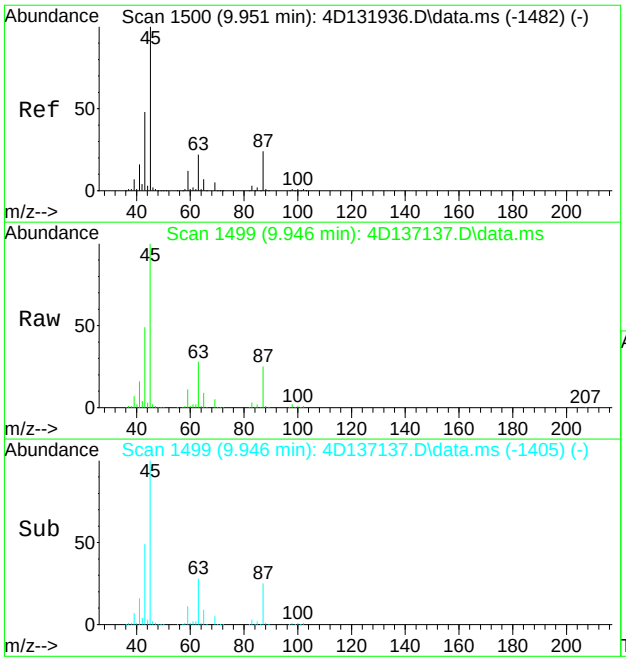


#25
trans-1,2-dichloroethene
Concen: 27.3969 ug/L
RT: 9.327 min Scan# 1381
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 96 Resp: 130518

Ion	Ratio	Lower	Upper
96	100		
61	146.6	126.5	186.5
98	64.8	33.3	93.3

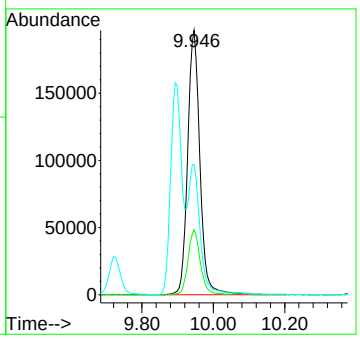


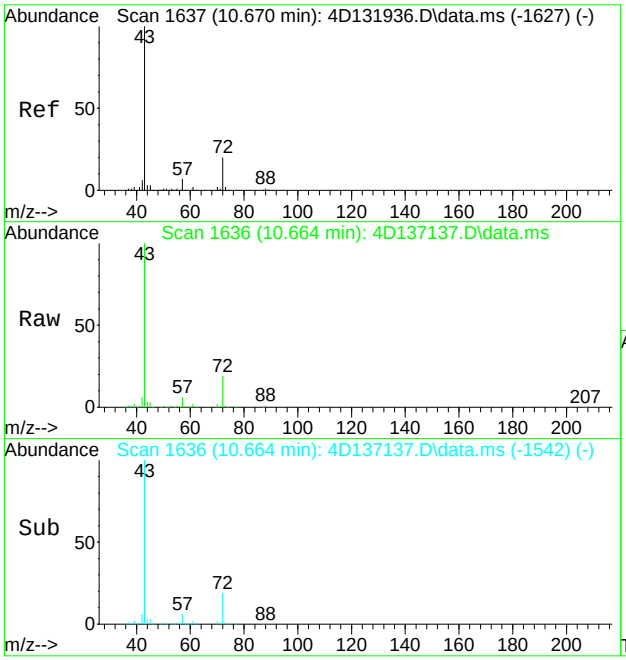


#26
di-isopropyl ether
Concen: 25.1376 ug/L
RT: 9.946 min Scan# 1499
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 45 Resp: 471024

Ion	Ratio	Lower	Upper
45	100		
87	24.6	0.0	54.4
43	49.1	18.8	78.8

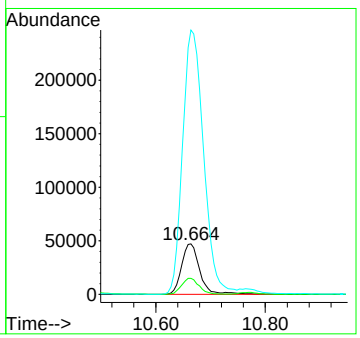


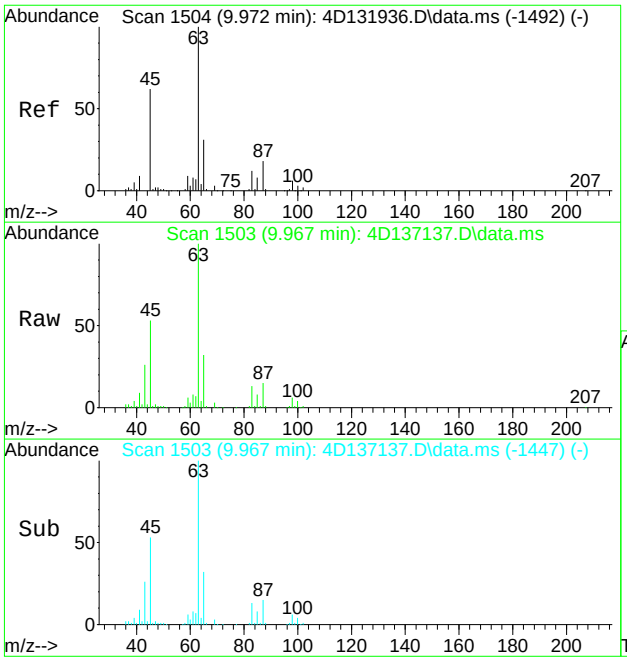


#27
2-butanone
Concen: 95.9234 ug/L
RT: 10.664 min Scan# 1636
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 72 Resp: 109035

Ion	Ratio	Lower	Upper
72	100		
57	31.9	3.7	63.7
43	523.9	475.8	535.8

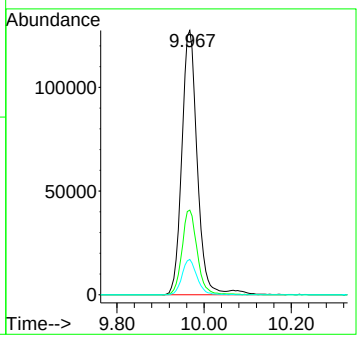


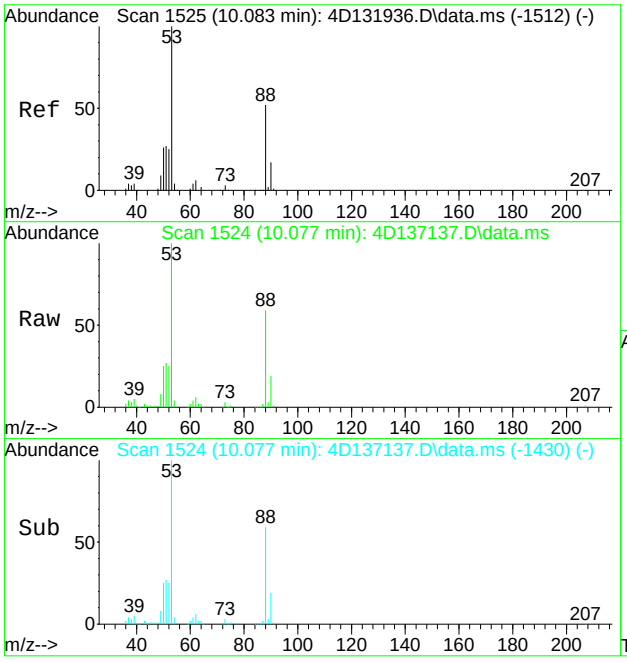


#28
1,1-dichloroethane
Concen: 32.6376 ug/L
RT: 9.967 min Scan# 1503
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 63 Resp: 314424

Ion	Ratio	Lower	Upper
63	100		
65	32.0	0.9	60.9
83	13.3	0.0	42.3

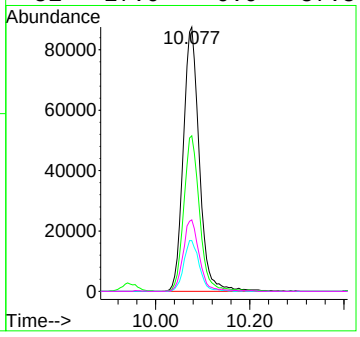


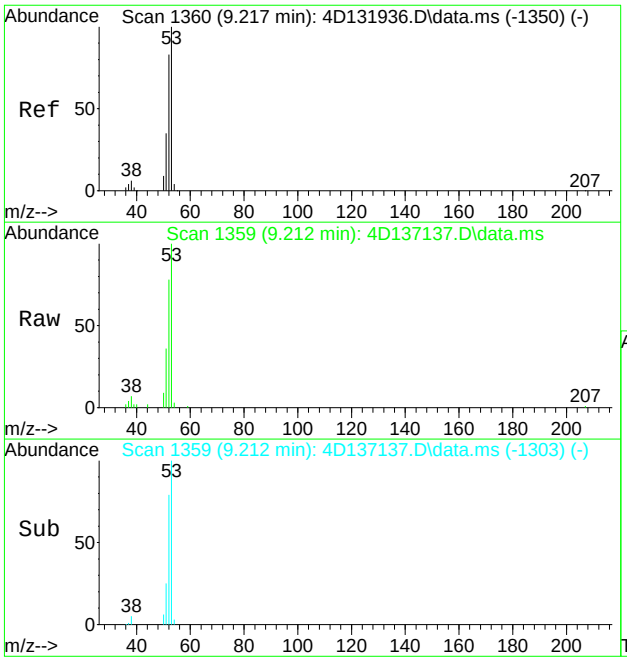


#29
chloroprene
Concen: 23.7095 ug/L
RT: 10.077 min Scan# 1524
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 53 Resp: 206983

Ion	Ratio	Lower	Upper
53	100		
88	58.8	21.8	81.8
90	19.2	0.0	47.2
51	27.0	0.0	57.5

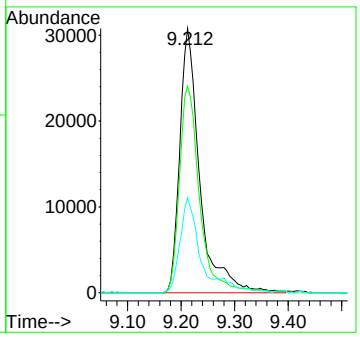


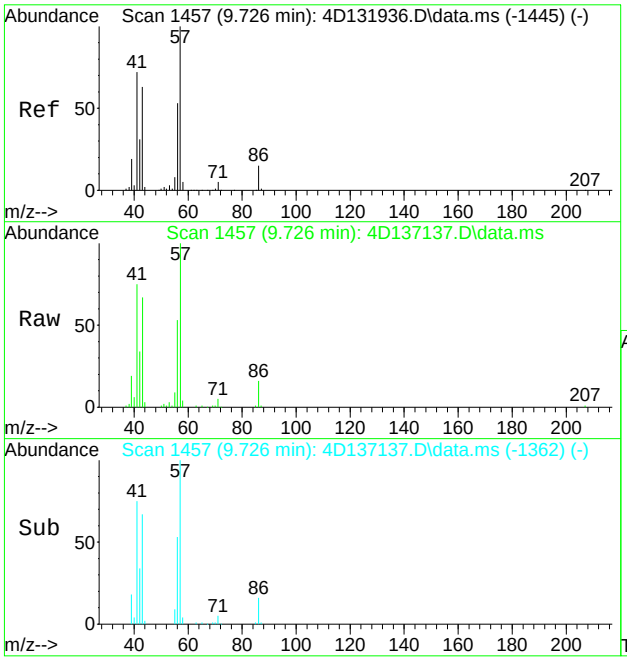


#30
acrylonitrile
Concen: 24.5495 ug/L
RT: 9.212 min Scan# 1359
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 53 Resp: 80284

Ion	Ratio	Lower	Upper
53	100		
52	78.2	53.4	113.4
51	35.9	5.0	65.0

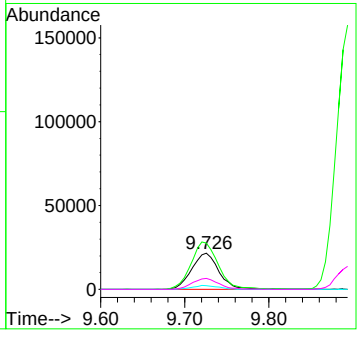


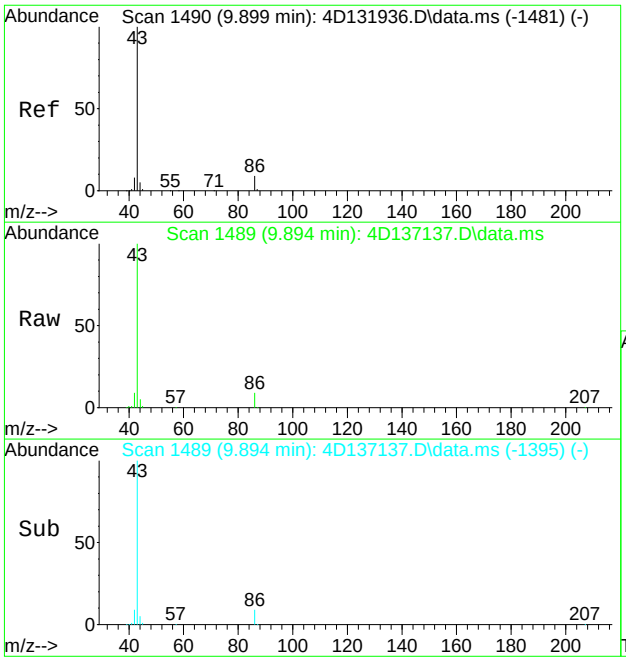


#31
hexane
Concen: 10.8940 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. -0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 56 Resp: 48873

Ion	Ratio	Lower	Upper
56	100		
43	127.2	98.5	138.5
71	10.2	0.0	30.3
86	30.0	7.7	47.7

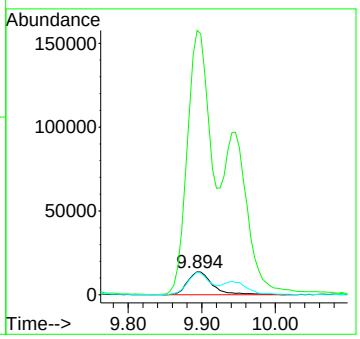


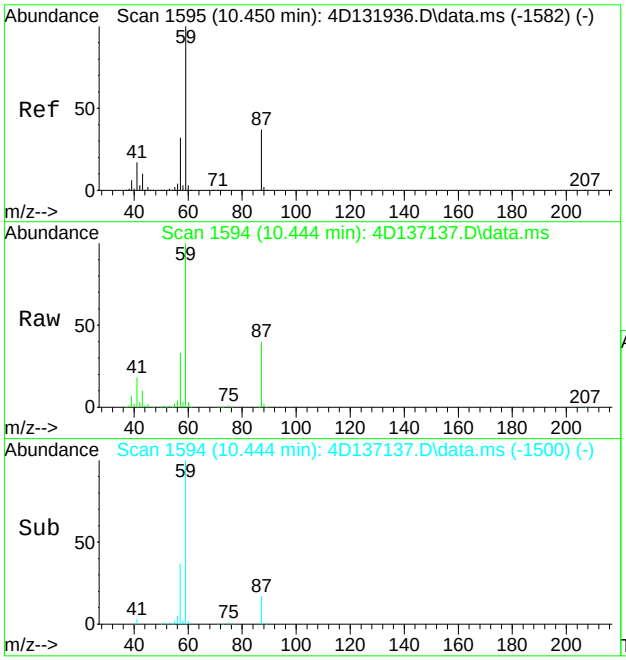


#32
vinyl acetate
Concen: 29.6152 ug/L
RT: 9.894 min Scan# 1489
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 86 Resp: 32450

Ion	Ratio	Lower	Upper
86	100		
43	1145.2	1142.7	1202.7
42	97.6	69.4	129.4

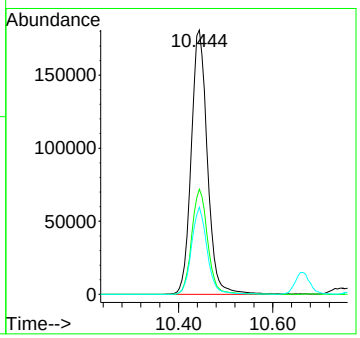


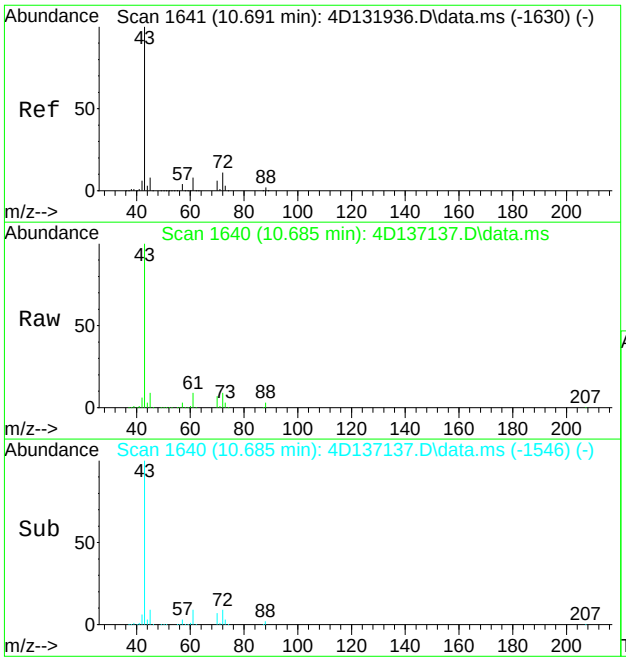


#33
ethyl tert-butyl ether
Concen: 23.1016 ug/L
RT: 10.444 min Scan# 1594
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 59 Resp: 430899

Ion	Ratio	Lower	Upper
59	100		
87	39.8	6.6	66.6
57	33.0	2.2	62.2

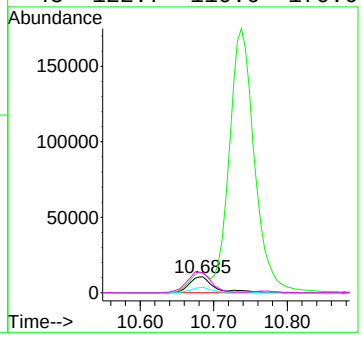


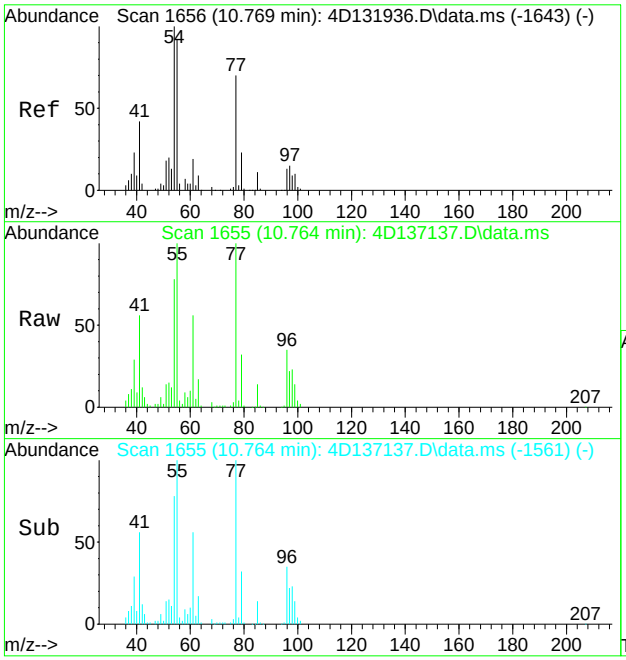


#34
ethyl acetate
Concen: 23.6938 ug/L
RT: 10.685 min Scan# 1640
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 70 Resp: 25613

Ion	Ratio	Lower	Upper
70	100		
61	121.6	108.4	168.4
88	35.7	5.9	65.9
45	122.7	110.6	170.6

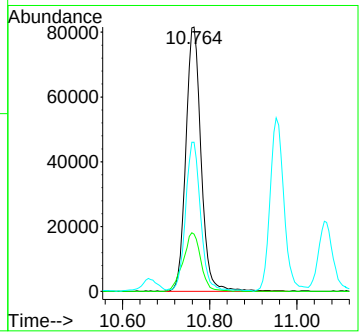


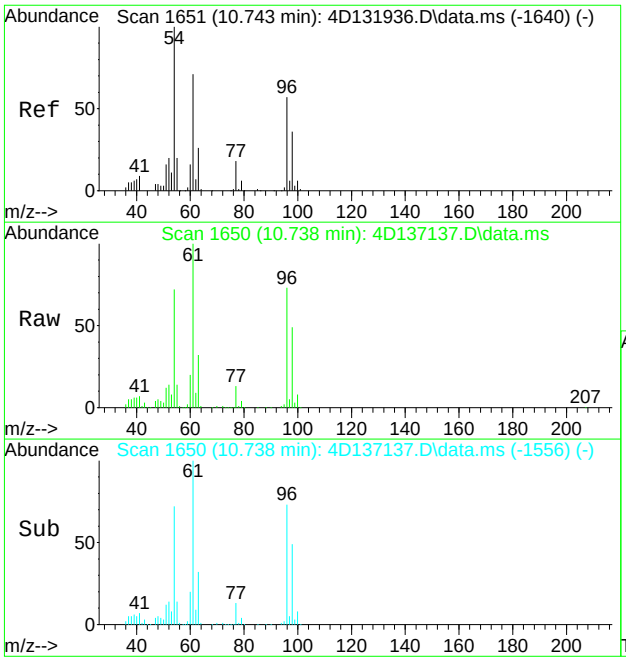


#35
2,2-dichloropropane
Concen: 26.2348 ug/L
RT: 10.764 min Scan# 1655
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 77 Resp: 198049

Ion	Ratio	Lower	Upper
77	100		
97	21.6	0.0	51.9
41	55.6	29.6	89.6

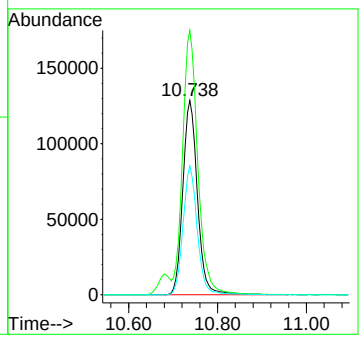


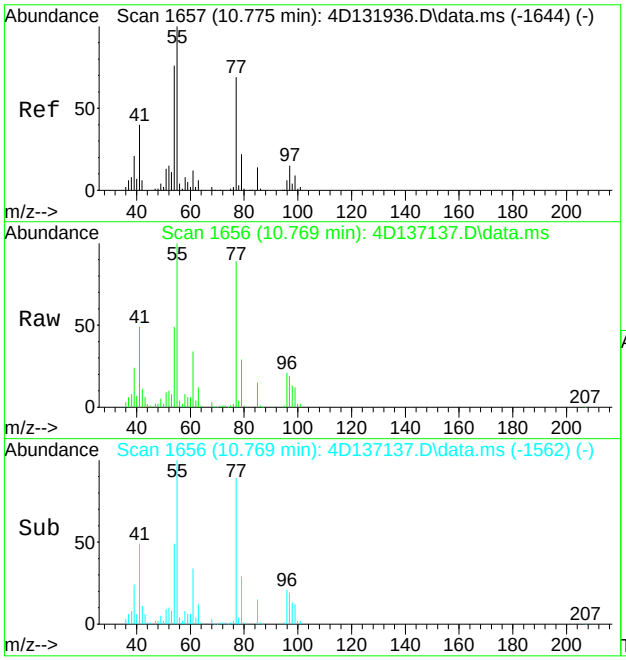


#36
cis-1,2-dichloroethene
Concen: 53.0904 ug/L
RT: 10.738 min Scan# 1650
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 96 Resp: 295075

Ion	Ratio	Lower	Upper
96	100		
61	136.0	119.6	179.6
98	66.4	34.3	94.3

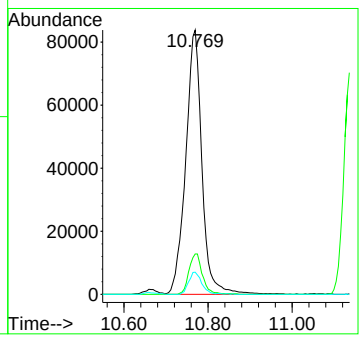


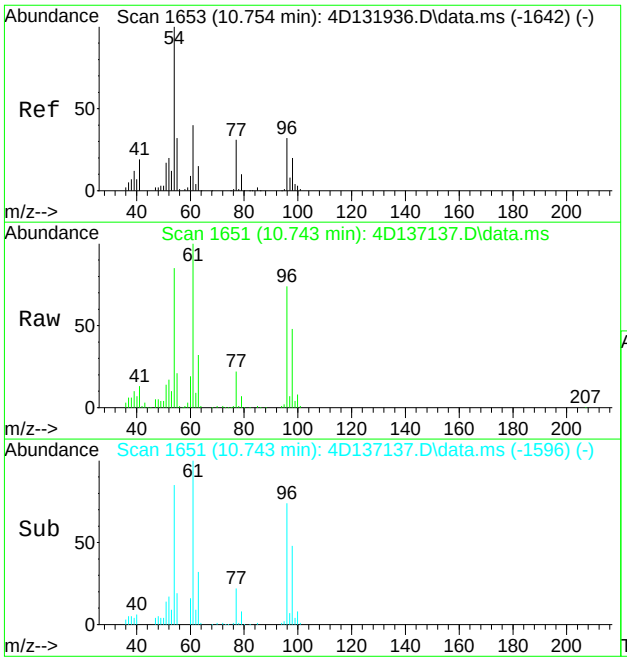


#37
methyl acrylate
Concen: 22.6118 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 55 Resp: 225010

Ion	Ratio	Lower	Upper
55	100		
85	15.3	0.0	43.7
58	8.4	0.0	38.0

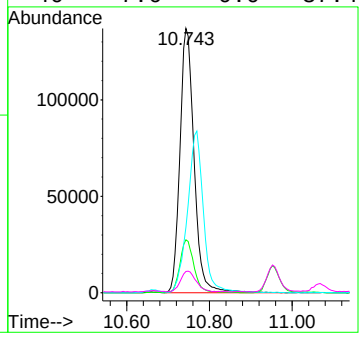


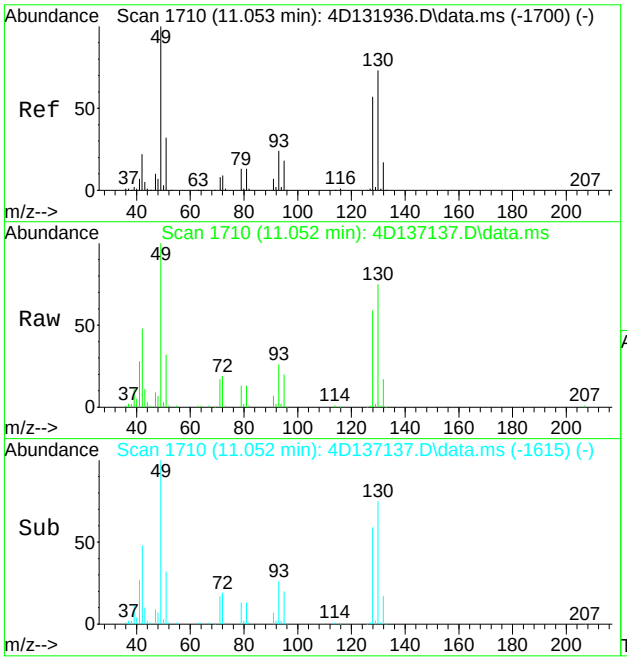


#38
propionitrile
Concen: 225.0999 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 54 Resp: 326868

Ion	Ratio	Lower	Upper
54	100		
52	20.1	0.0	49.8
55	24.8	2.6	62.6
40	7.6	0.0	37.4

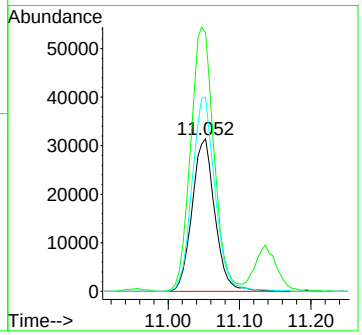


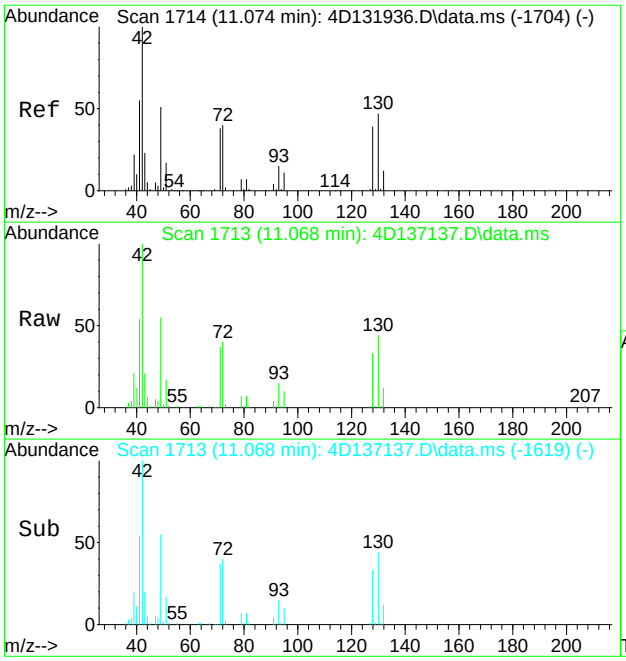


#39
bromochloromethane
Concen: 25.1631 ug/L
RT: 11.052 min Scan# 1710
Delta R.T. -0.001 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:128 Resp: 69907

Ion	Ratio	Lower	Upper
128	100		
49	169.5	145.9	205.9
130	127.4	97.8	157.8

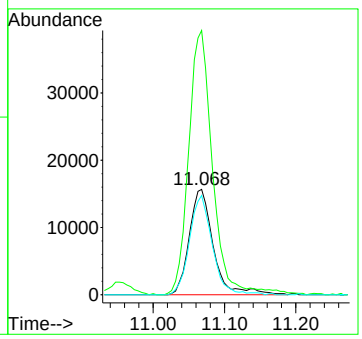


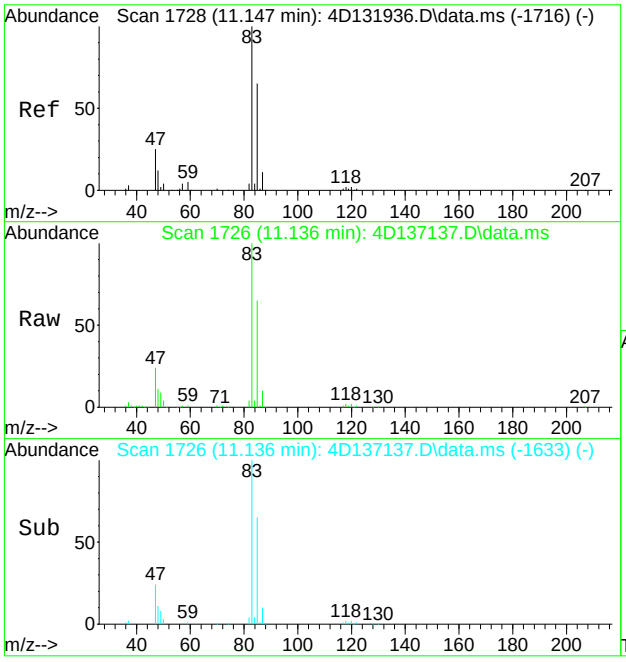


#40
tetrahydrofuran
Concen: 31.4352 ug/L
RT: 11.068 min Scan# 1713
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 72 Resp: 36929

Ion	Ratio	Lower	Upper
72	100		
42	250.7	219.9	279.9
71	94.0	66.1	126.1

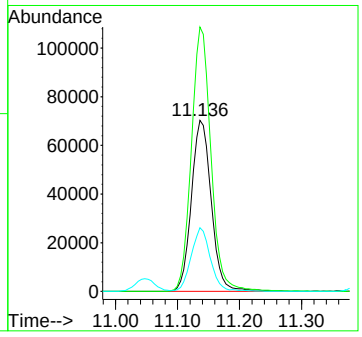


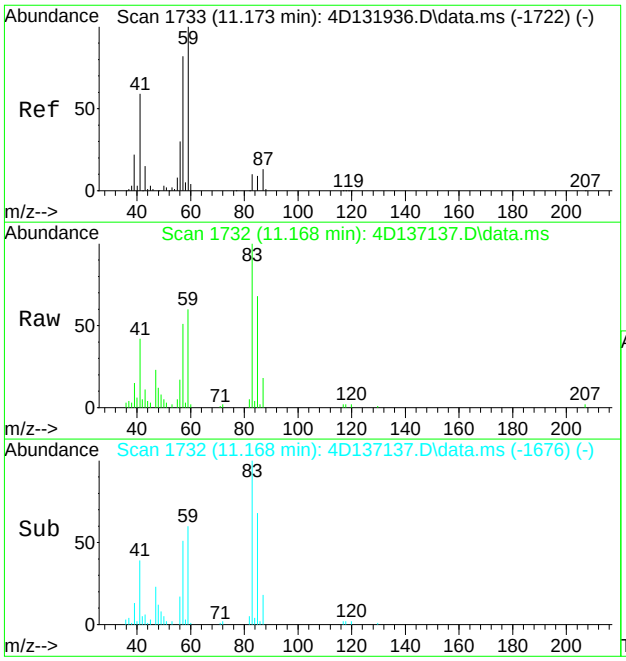


#41
chloroform
Concen: 27.9763 ug/L
RT: 11.136 min Scan# 1726
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 85 Resp: 156603

Ion	Ratio	Lower	Upper
85	100		
83	154.7	123.5	183.5
47	37.2	9.8	69.8

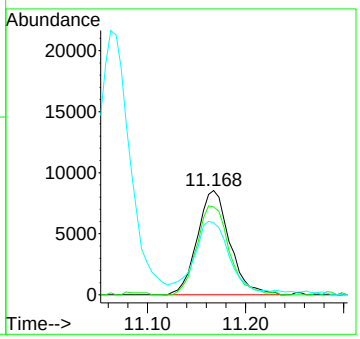


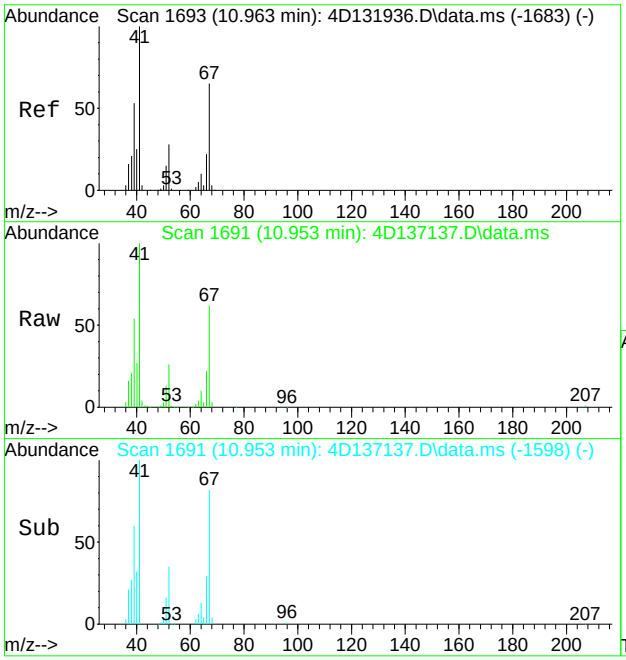


#42
t-butyl formate
Concen: 8.0977 ug/L
RT: 11.168 min Scan# 1732
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 59 Resp: 19687

Ion	Ratio	Lower	Upper
59	100		
57	84.5	51.8	111.8
41	66.2	32.4	92.4

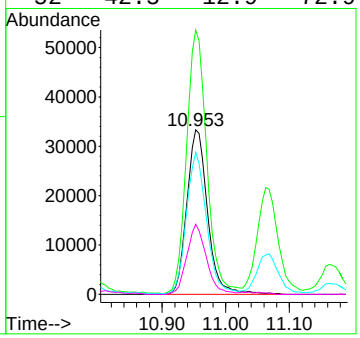


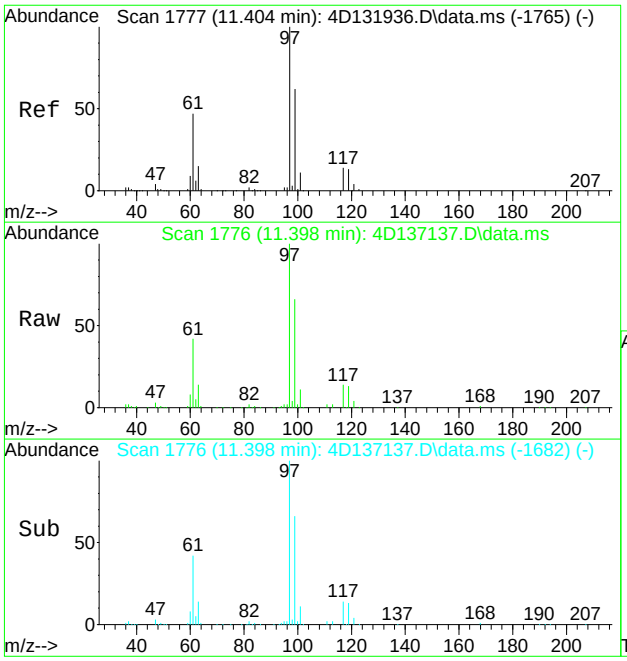


#44
methacrylonitrile
Concen: 24.0743 ug/L
RT: 10.953 min Scan# 1691
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 67 Resp: 75393

Ion	Ratio	Lower	Upper
67	100		
41	160.6	123.0	183.0
39	85.7	50.9	110.9
52	42.5	12.9	72.9

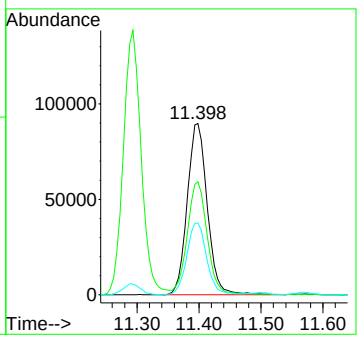


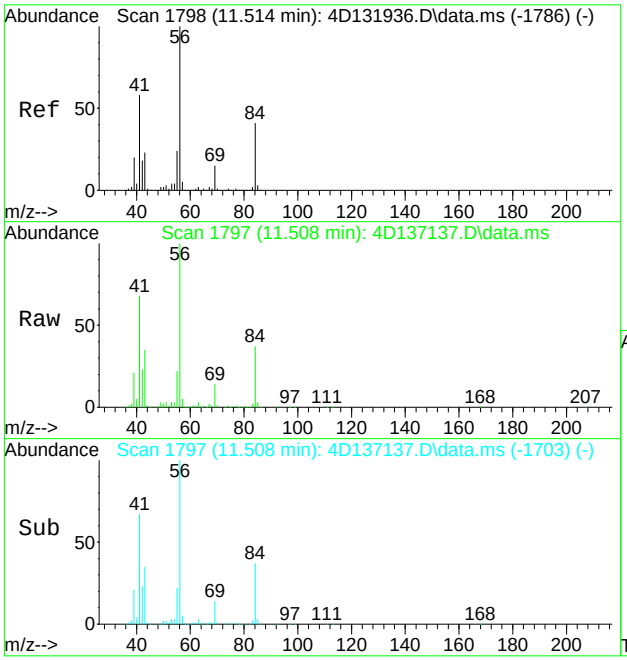


#45
1,1,1-trichloroethane
Concen: 26.3313 ug/L
RT: 11.398 min Scan# 1776
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 97 Resp: 201504

Ion	Ratio	Lower	Upper
97	100		
99	65.7	34.4	94.4
61	41.9	16.6	76.6

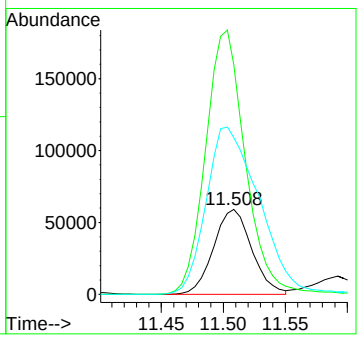


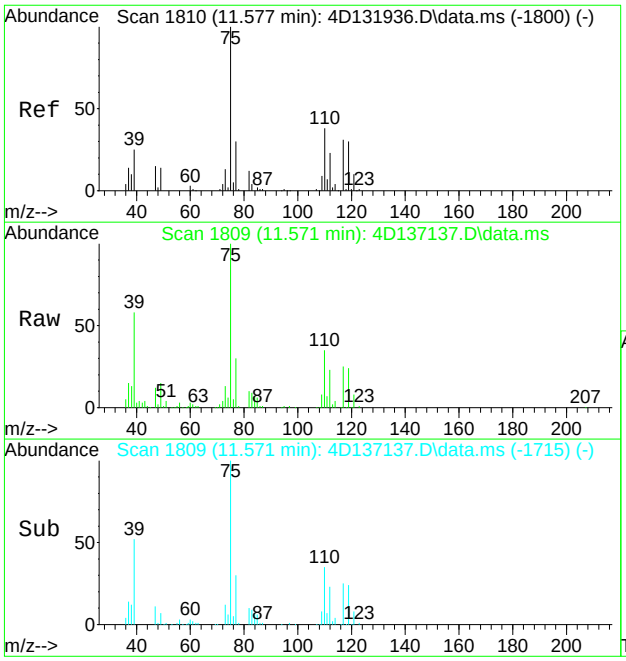


#46
cyclohexane
Concen: 18.4002 ug/L
RT: 11.508 min Scan# 1797
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 84 Resp: 126878

Ion	Ratio	Lower	Upper
84	100		
56	270.4	225.3	265.3#
41	184.3	121.5	161.5#

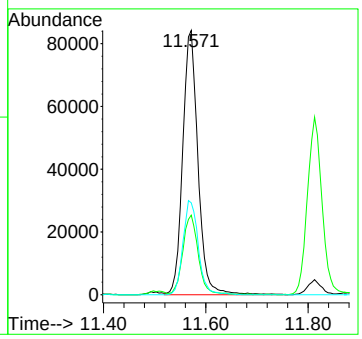


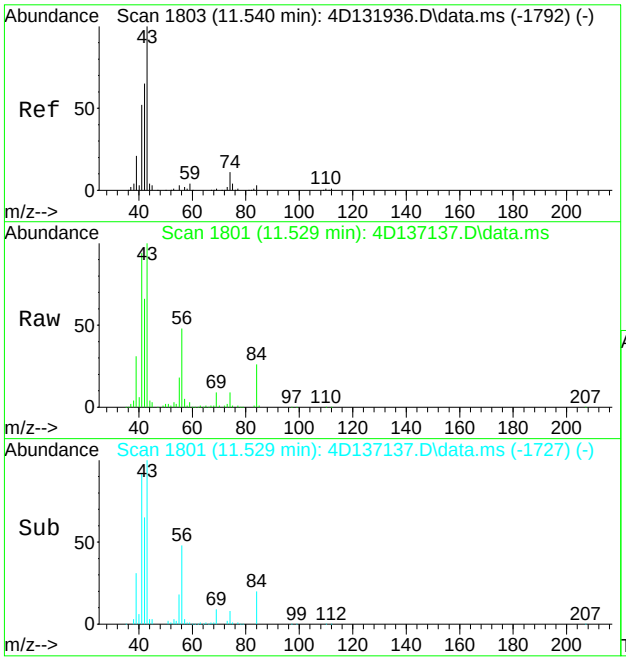


#47
1,1-dichloropropene
Concen: 27.1234 ug/L
RT: 11.571 min Scan# 1809
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 75 Resp: 174664

Ion	Ratio	Lower	Upper
75	100		
77	30.1	11.0	51.0
110	34.8	17.6	57.6

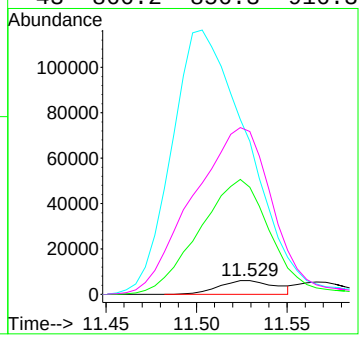


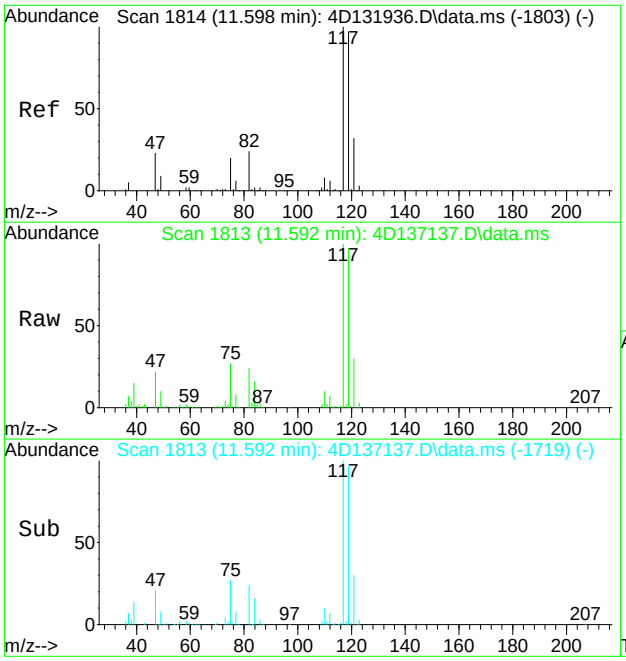


#48
isobutyl alcohol
Concen: 225.0711 ug/L
RT: 11.529 min Scan# 1801
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 74 Resp: 13352

Ion	Ratio	Lower	Upper
74	100		
42	648.5	546.1	606.1#
41	833.3	593.5	653.5#
43	866.2	856.3	916.3

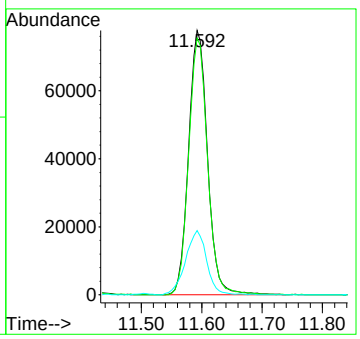


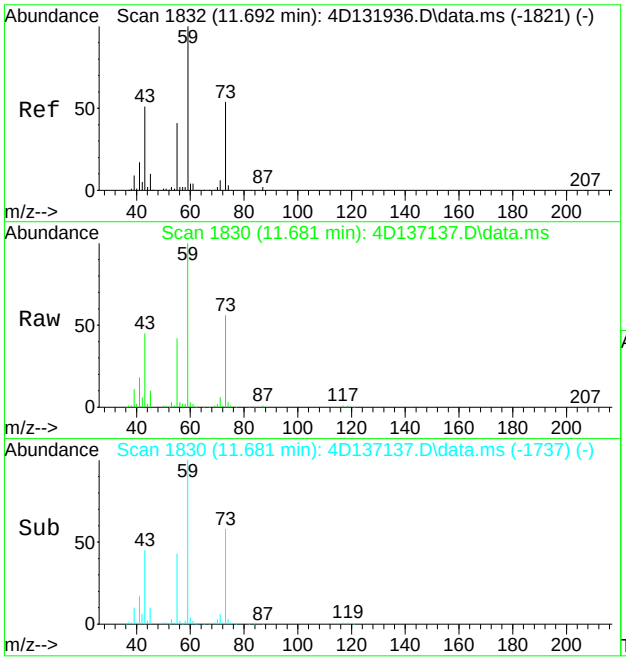


#49
carbon tetrachloride
Concen: 25.6994 ug/L
RT: 11.592 min Scan# 1813
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:117 Resp: 169324

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.2	117.2
82	24.3	4.2	44.2

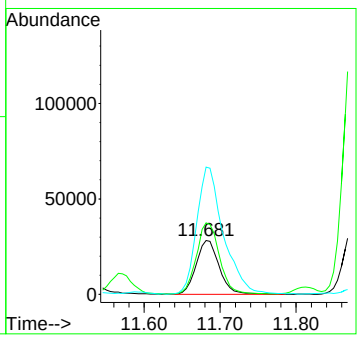


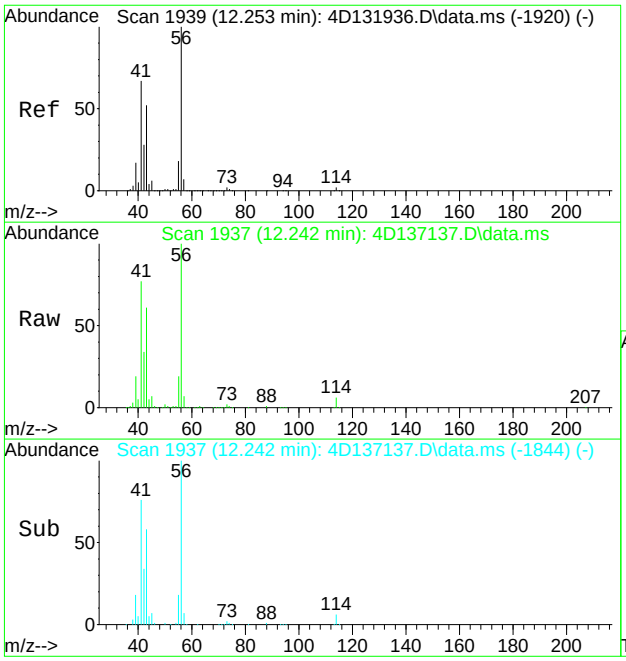


#50
tert amyl alcohol
Concen: 107.3098 ug/L
RT: 11.681 min Scan# 1830
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 55 Resp: 59777

Ion	Ratio	Lower	Upper
55	100		
73	131.6	100.3	160.3
59	235.0	213.3	273.3

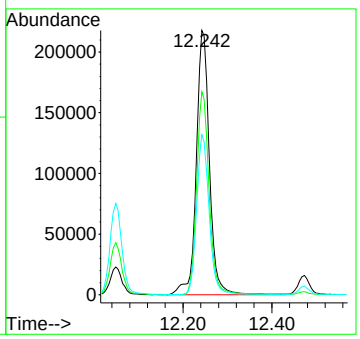


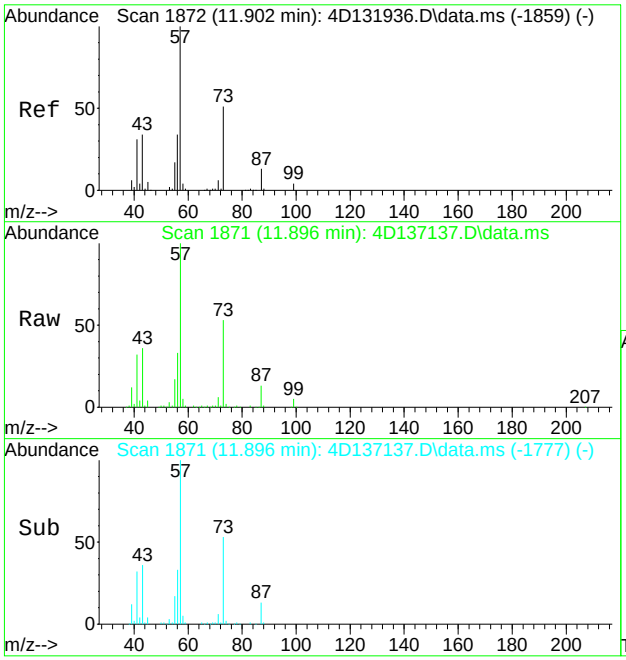


#53
n-butyl alcohol
Concen: 1020.8348 ug/L
RT: 12.242 min Scan# 1937
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 56 Resp: 447053

Ion	Ratio	Lower	Upper
56	100		
41	76.6	36.6	96.6
43	60.4	22.4	82.4

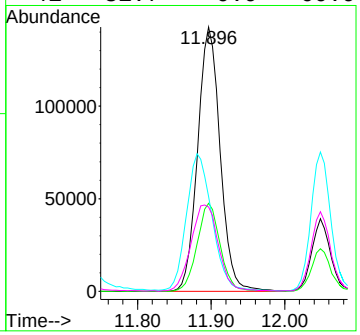


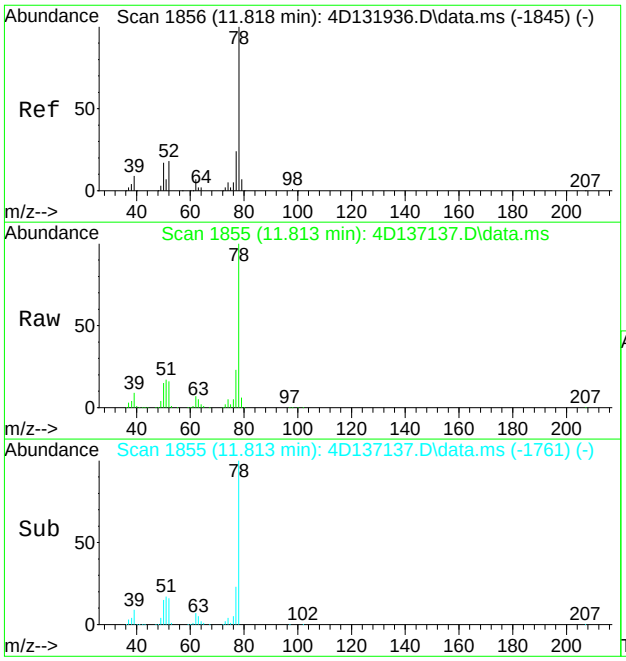


#54
2,2,4-trimethylpentane
Concen: 20.4839 ug/L
RT: 11.896 min Scan# 1871
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 57 Resp: 303648

Ion	Ratio	Lower	Upper
57	100		
56	33.3	3.6	63.6
43	35.6	4.6	64.6
41	31.7	0.9	60.9

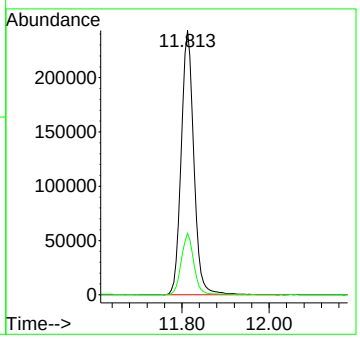


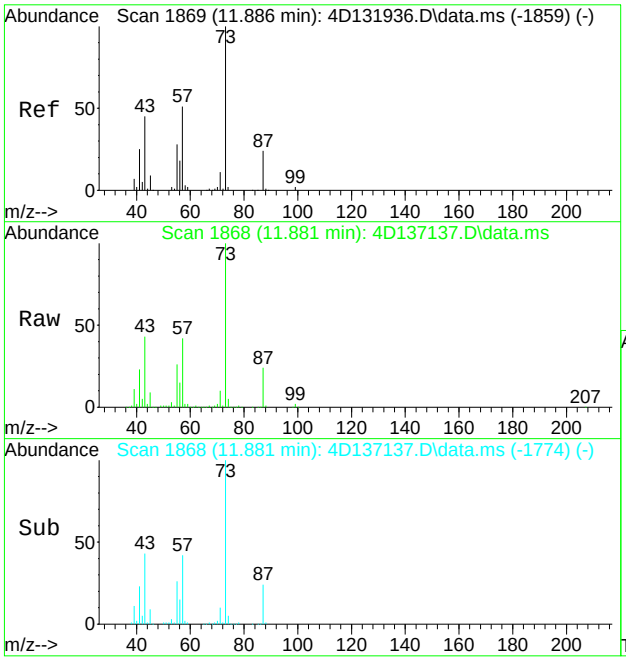


#55
benzene
Concen: 25.1272 ug/L
RT: 11.813 min Scan# 1855
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 78 Resp: 489080

Ion	Ratio	Lower	Upper
78	100		
77	23.2	0.0	53.7

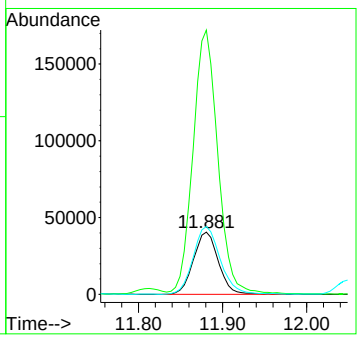


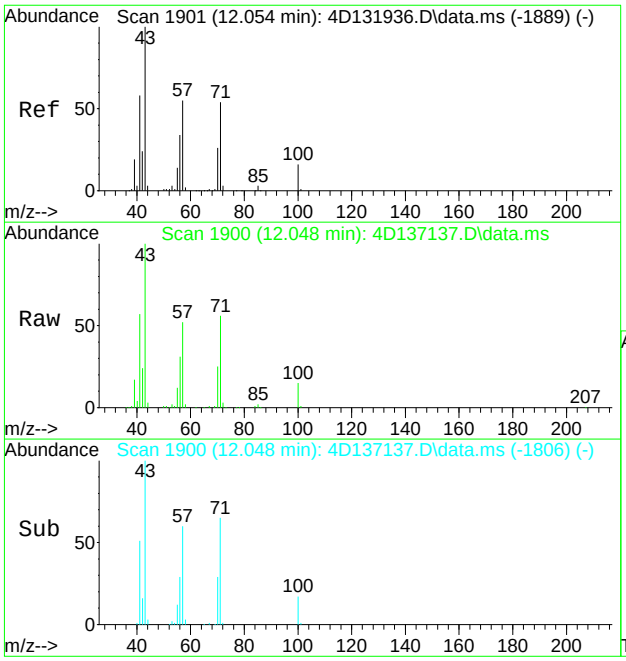


#56
tert-amyl methyl ether
Concen: 22.5066 ug/L
RT: 11.881 min Scan# 1868
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 87 Resp: 83628

Ion	Ratio	Lower	Upper
87	100		
73	423.7	382.6	442.6
55	109.0	85.4	145.4

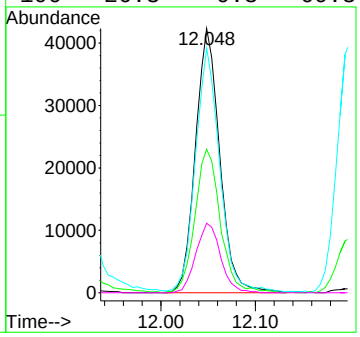


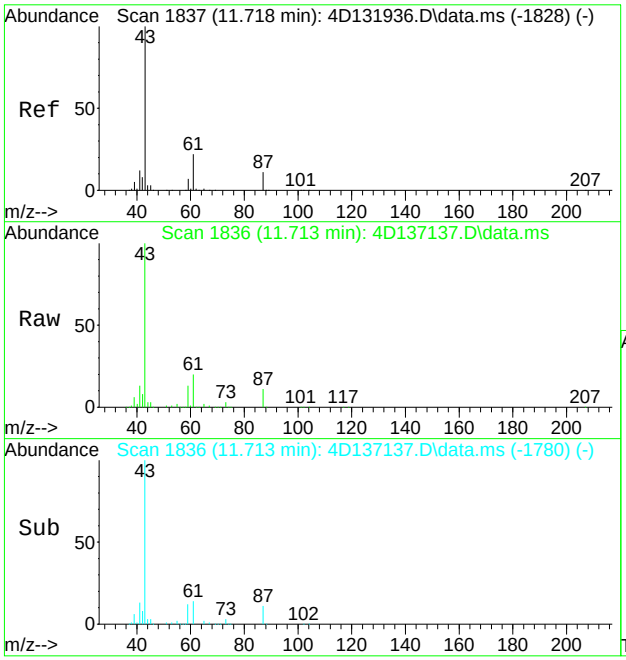


#57
heptane
Concen: 23.5043 ug/L
RT: 12.048 min Scan# 1900
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 71 Resp: 75880

Ion	Ratio	Lower	Upper
71	100		
56	54.3	33.0	93.0
57	92.1	72.2	132.2
100	26.3	0.3	60.3

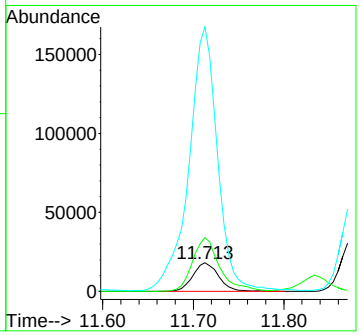


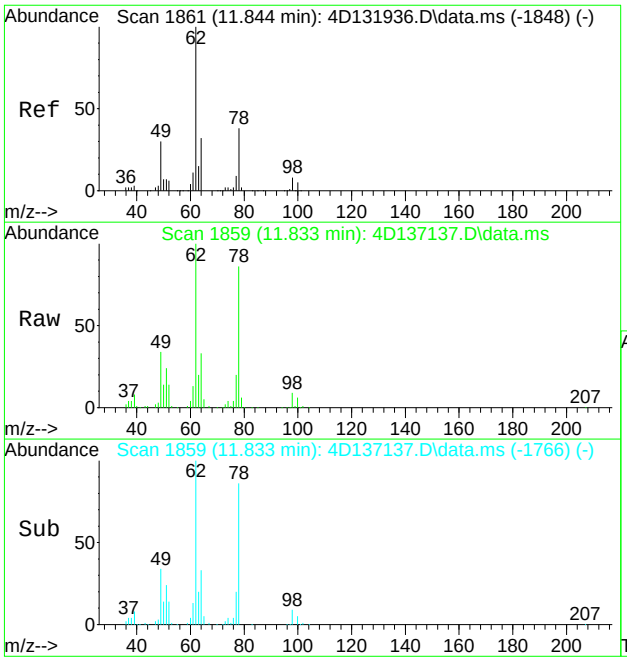


#58
isopropyl acetate
Concen: 24.2479 ug/L
RT: 11.713 min Scan# 1836
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 87 Resp: 35916

Ion	Ratio	Lower	Upper
87	100		
61	186.0	170.1	230.1
43	914.7	919.0	979.0#

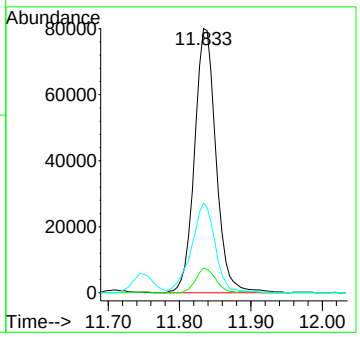


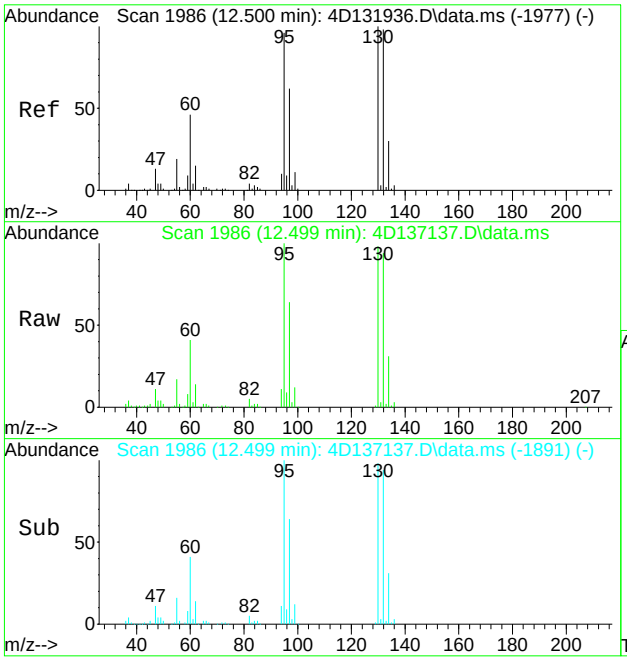


#59
1,2-dichloroethane
Concen: 20.8101 ug/L
RT: 11.833 min Scan# 1859
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 62 Resp: 168006

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	38.5
49	34.0	1.1	61.1

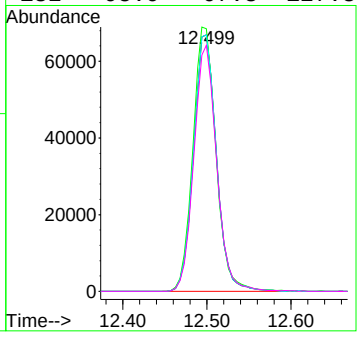


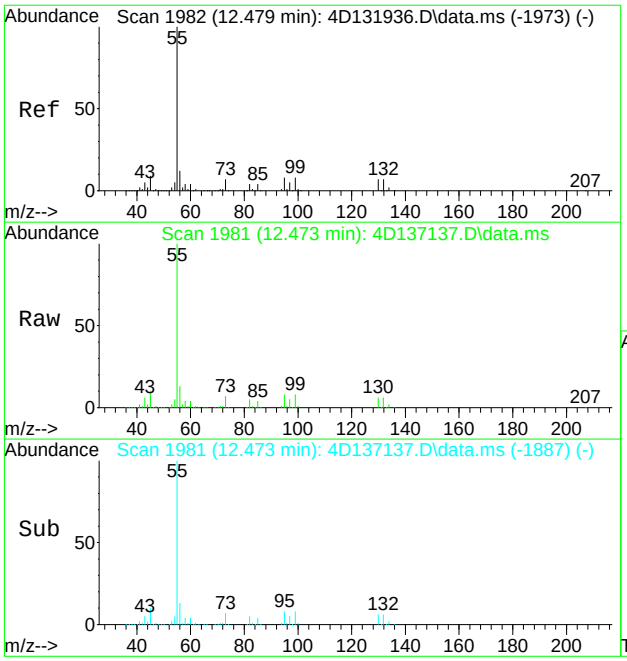


#60
trichloroethene
Concen: 23.4720 ug/L
RT: 12.499 min Scan# 1986
Delta R.T. -0.001 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:130 Resp: 126406

Ion	Ratio	Lower	Upper
130	100		
95	102.4	65.8	125.8
130	100.0	70.0	130.0
132	95.9	67.8	127.8

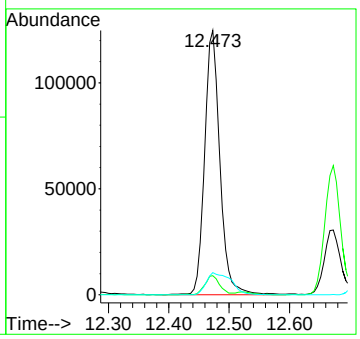


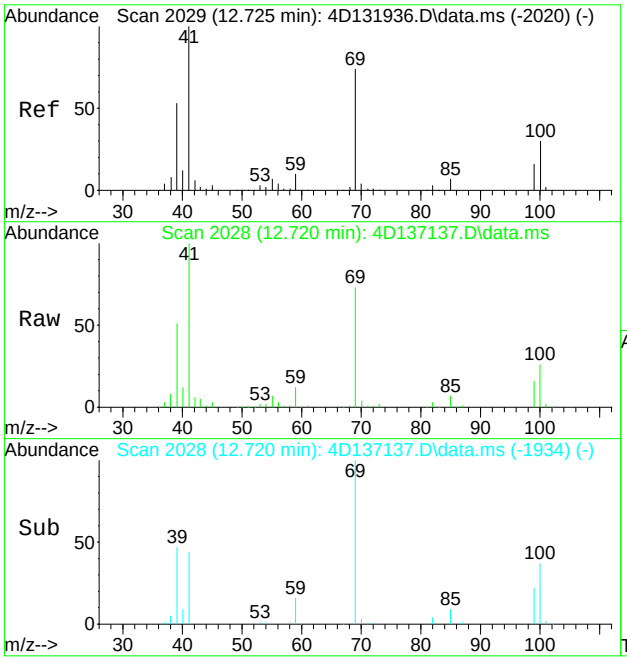


#61
ethyl acrylate
Concen: 21.2340 ug/L
RT: 12.473 min Scan# 1981
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 55 Resp: 219778

Ion	Ratio	Lower	Upper
55	100		
73	7.2	0.0	26.5
99	8.4	0.0	27.5

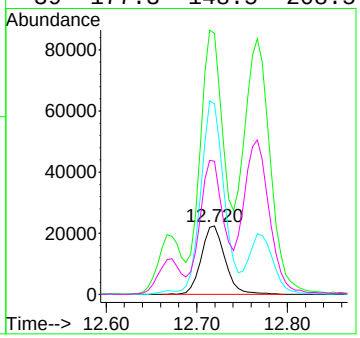


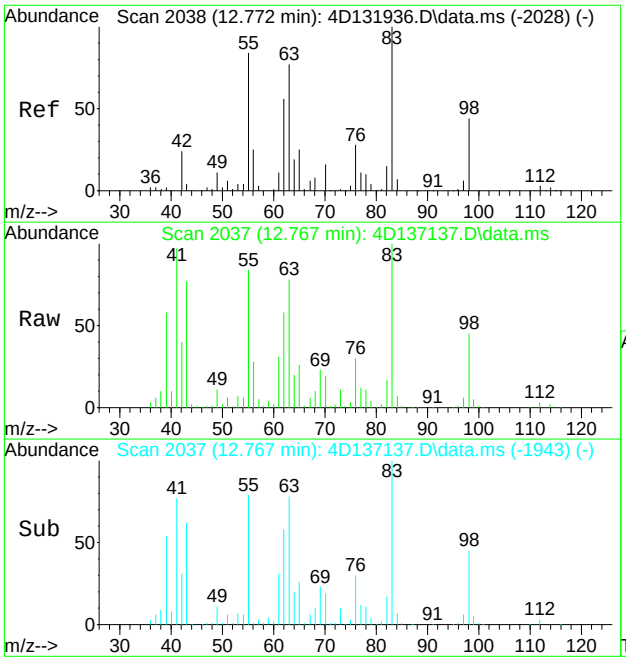


#64
methyl methacrylate
Concen: 21.9034 ug/L
RT: 12.720 min Scan# 2028
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:100 Resp: 40675

Ion	Ratio	Lower	Upper
100	100		
41	352.4	304.3	364.3
69	274.7	217.8	277.8
39	177.3	148.5	208.5

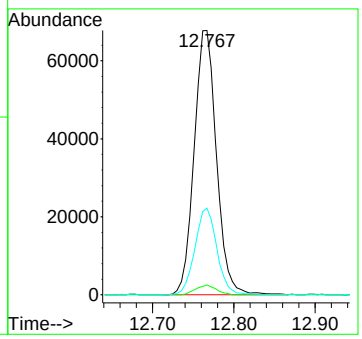


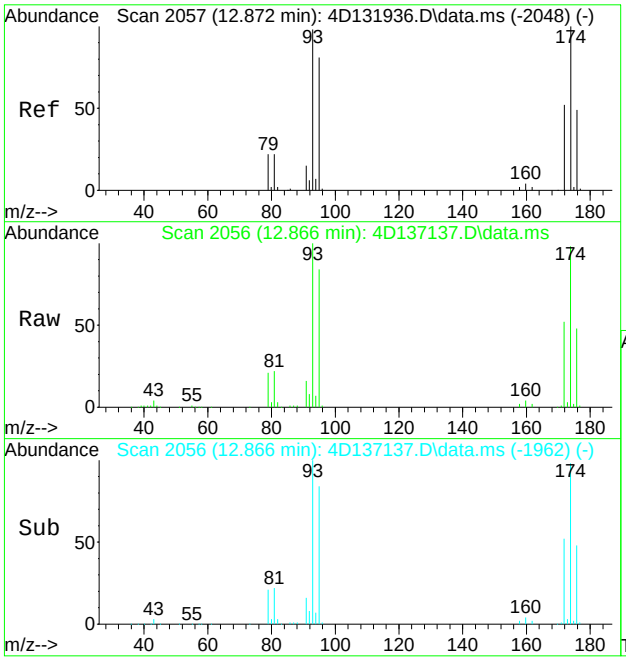


#65
1,2-dichloropropane
Concen: 23.2891 ug/L
RT: 12.767 min Scan# 2037
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 63 Resp: 129614

Ion	Ratio	Lower	Upper
63	100		
112	3.7	0.0	33.7
65	32.8	1.9	61.9

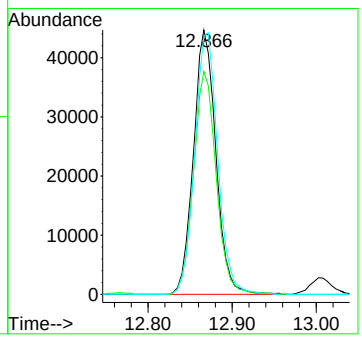


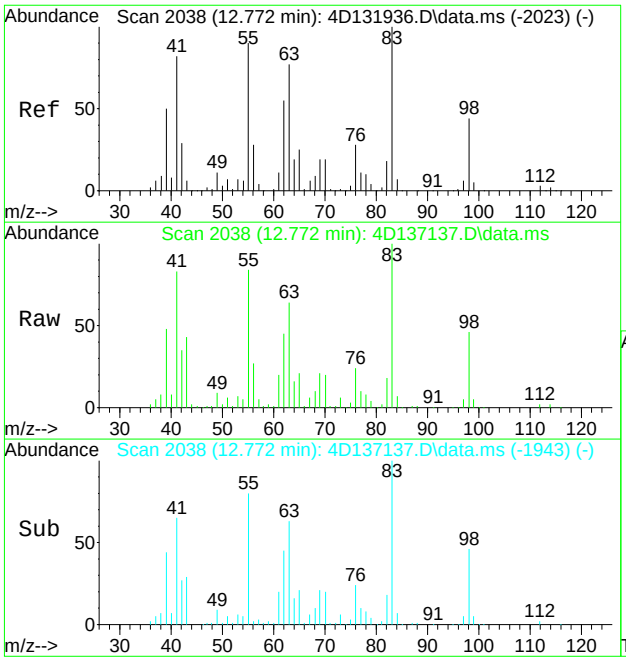


#66
dibromomethane
Concen: 23.6005 ug/L
RT: 12.866 min Scan# 2056
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 93 Resp: 82732

Ion	Ratio	Lower	Upper
93	100		
95	84.3	52.6	112.6
174	97.9	72.4	132.4

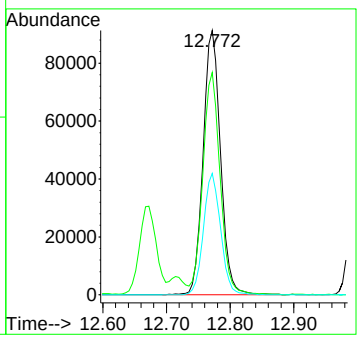


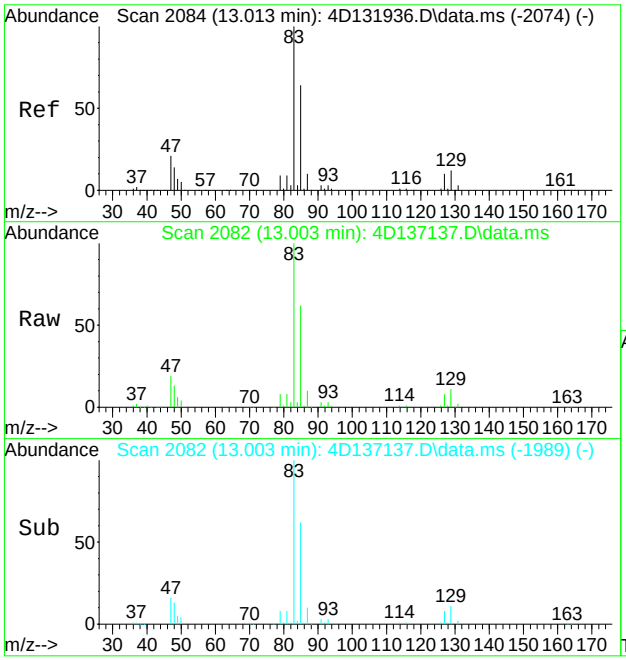


#67
methylcyclohexane
Concen: 22.6607 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. 0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 83 Resp: 174121

Ion	Ratio	Lower	Upper
83	100		
55	84.1	60.5	120.5
98	45.9	14.1	74.1

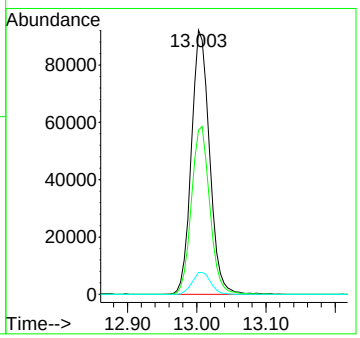


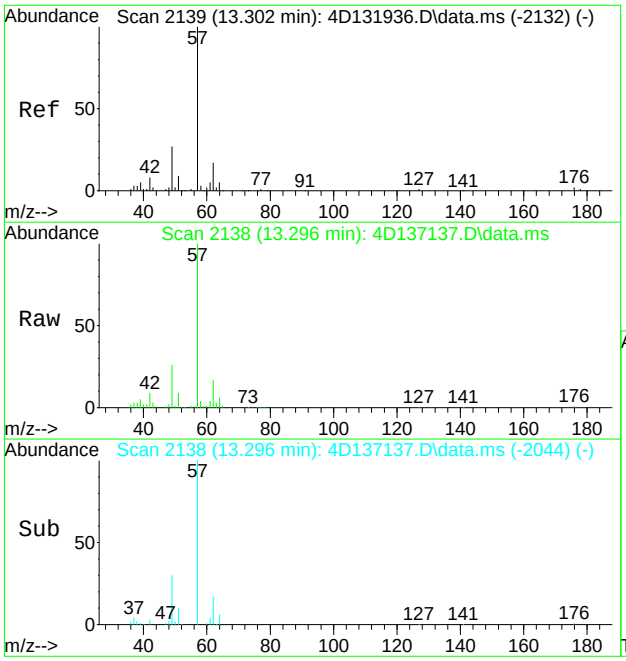


#68
bromodichloromethane
Concen: 23.5443 ug/L
RT: 13.003 min Scan# 2082
Delta R.T. -0.010 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 83 Resp: 168697

Ion	Ratio	Lower	Upper
83	100		
85	62.1	34.4	94.4
127	8.3	0.0	39.7

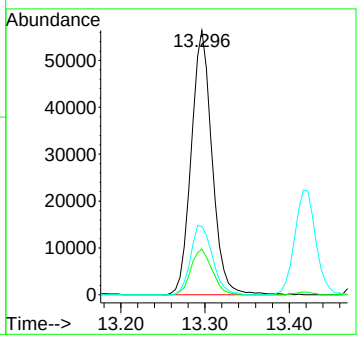


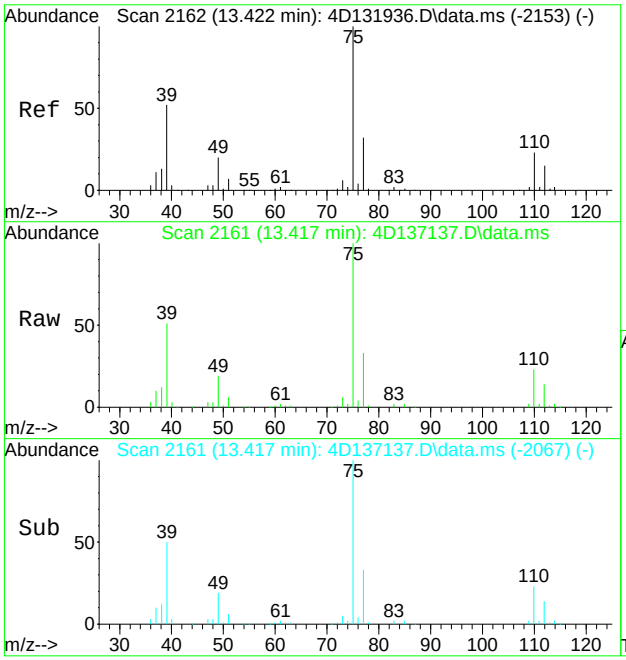


#69
epichlorohydrin
Concen: 91.2550 ug/L
RT: 13.296 min Scan# 2138
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 57 Resp: 96879

Ion	Ratio	Lower	Upper
57	100		
62	17.3	0.0	37.4
49	25.9	6.8	46.8

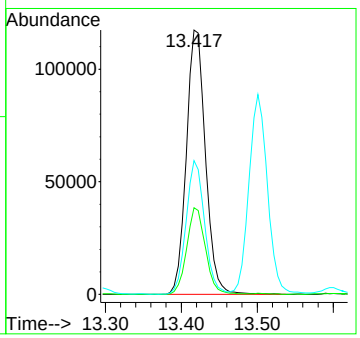


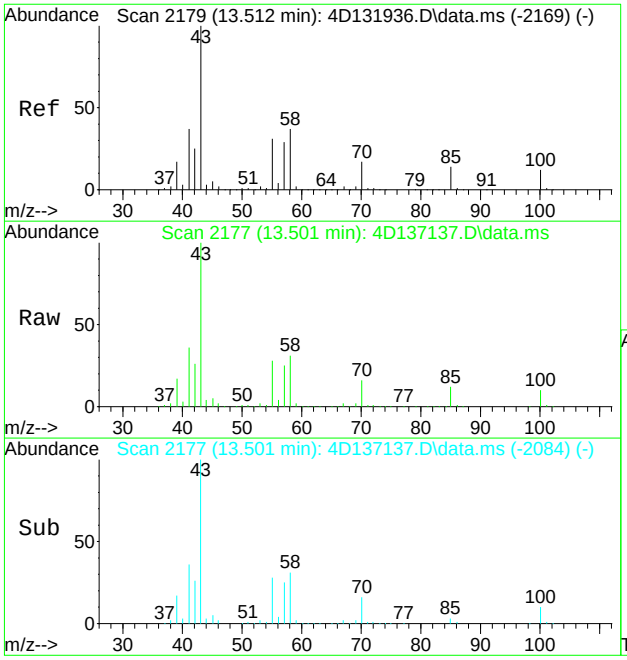


#70
cis-1,3-dichloropropene
Concen: 24.0935 ug/L
RT: 13.417 min Scan# 2161
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 75 Resp: 205373

Ion	Ratio	Lower	Upper
75	100		
77	32.7	1.9	61.9
39	50.5	22.1	82.1

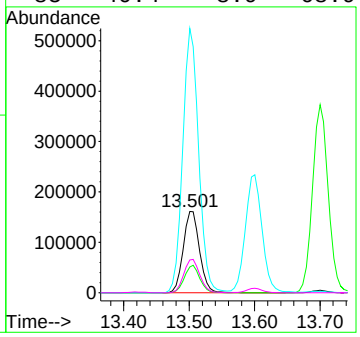


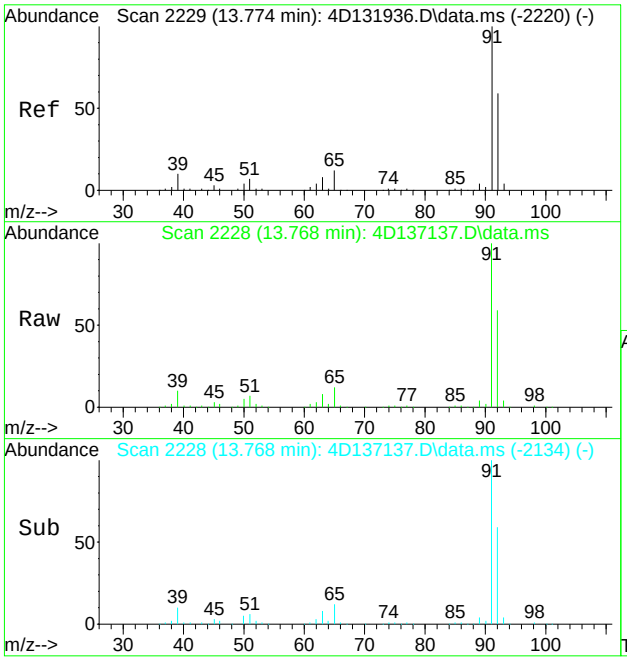


#71
4-methyl-2-pentanone
Concen: 83.2093 ug/L
RT: 13.501 min Scan# 2177
Delta R.T. -0.011 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 58 Resp: 278679

Ion	Ratio	Lower	Upper
58	100		
100	31.8	2.6	62.6
43	324.5	244.0	304.0#
85	40.4	8.9	68.9

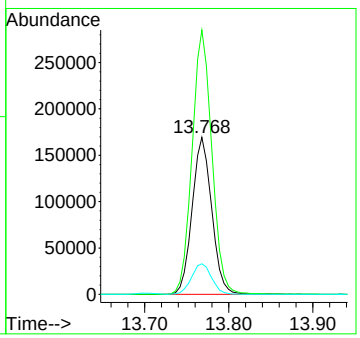


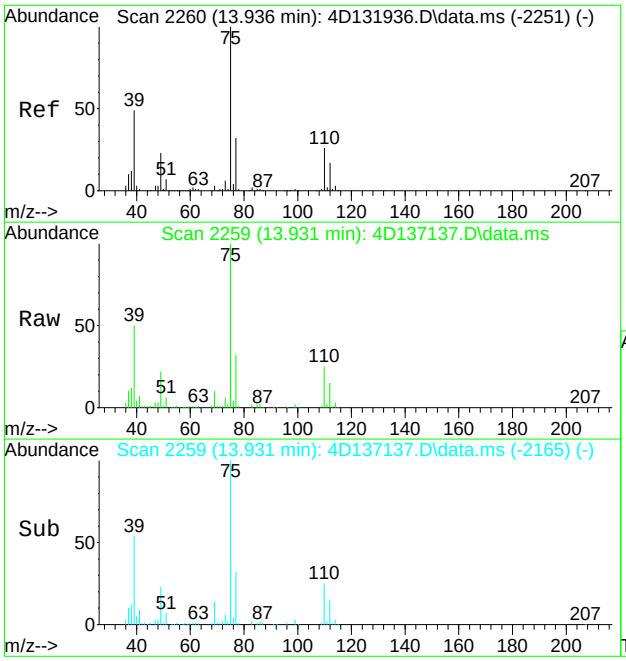


#75
toluene
Concen: 23.1767 ug/L
RT: 13.768 min Scan# 2228
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 92 Resp: 273839

Ion	Ratio	Lower	Upper
92	100		
91	168.5	150.1	190.1
65	19.5	0.0	39.8

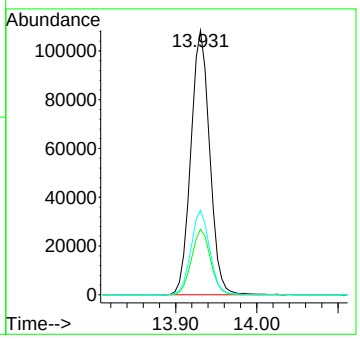


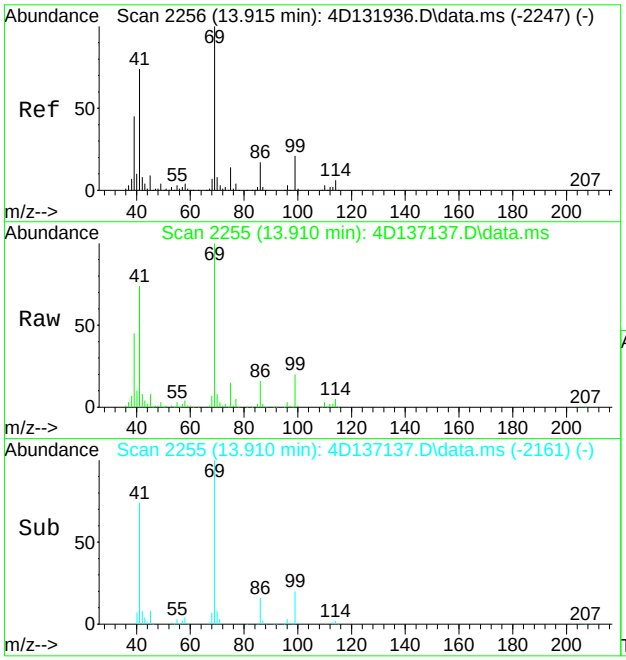


#76
trans-1,3-dichloropropene
Concen: 22.4447 ug/L
RT: 13.931 min Scan# 2259
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 75 Resp: 174864

Ion	Ratio	Lower	Upper
75	100		
110	24.9	5.6	45.6
77	31.9	12.5	52.5

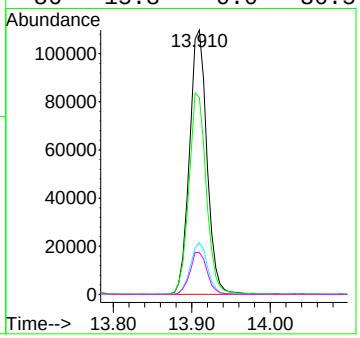


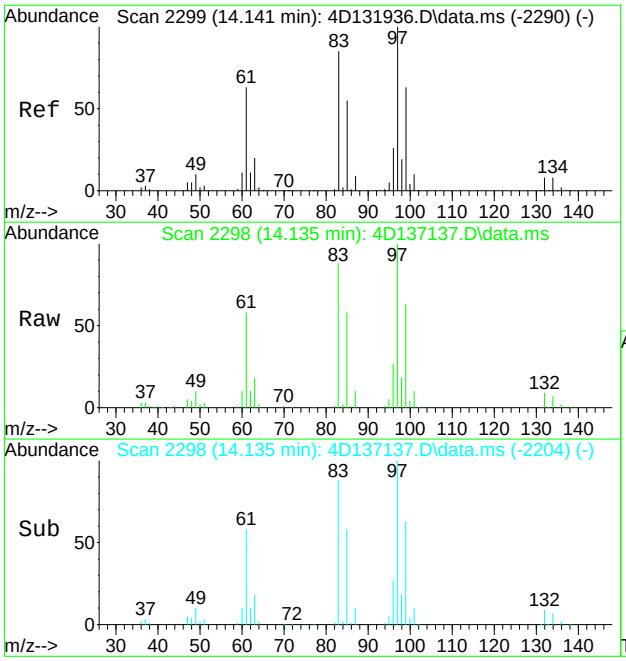


#77
ethyl methacrylate
Concen: 22.1700 ug/L
RT: 13.910 min Scan# 2255
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 69 Resp: 170111

Ion	Ratio	Lower	Upper
69	100		
41	74.4	53.7	93.7
99	19.5	0.5	40.5
86	15.8	0.0	36.5

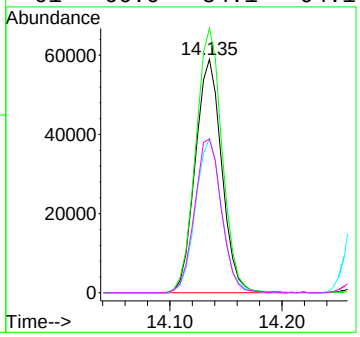


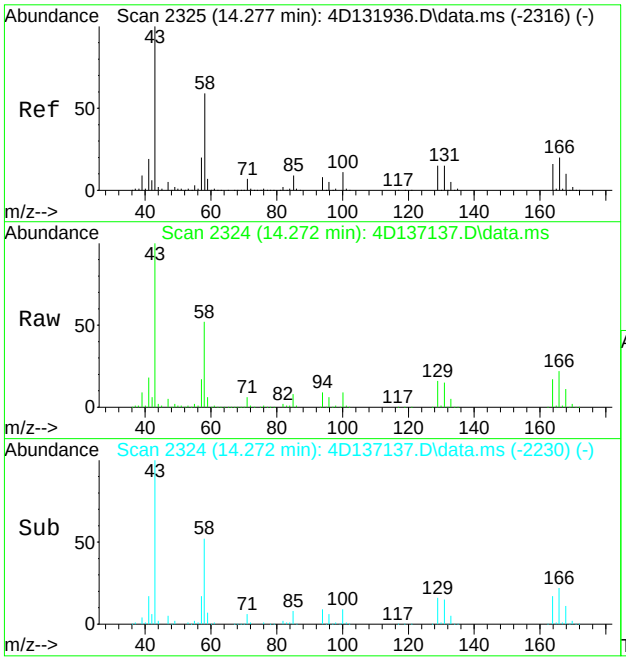


#78
1,1,2-trichloroethane
Concen: 23.1618 ug/L
RT: 14.135 min Scan# 2298
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 83 Resp: 97485

Ion	Ratio	Lower	Upper
83	100		
97	113.3	98.0	138.0
85	66.0	44.8	84.8
61	66.0	54.1	94.1

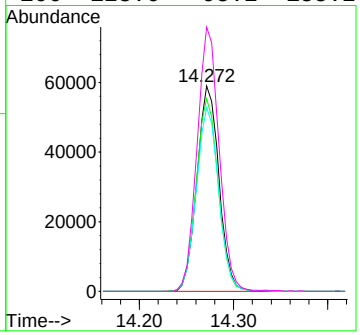


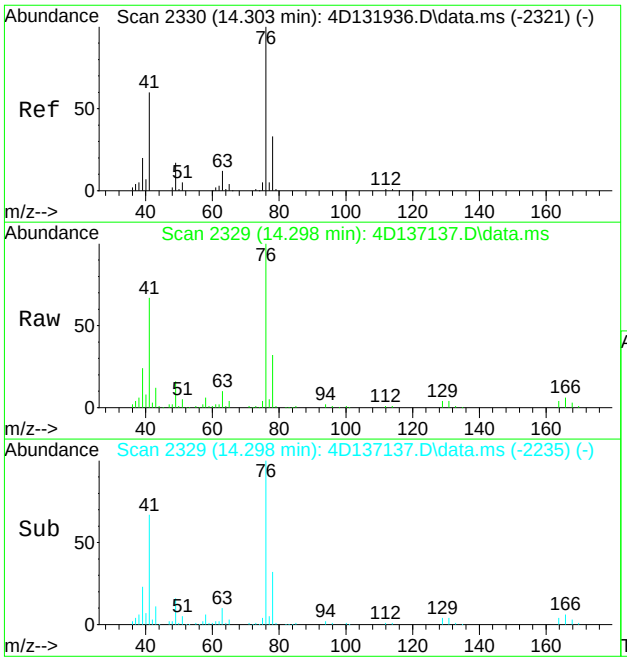


#79
tetrachloroethene
Concen: 23.4101 ug/L
RT: 14.272 min Scan# 2324
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:164 Resp: 96133

Ion	Ratio	Lower	Upper
164	100		
129	93.7	63.3	123.3
131	89.5	59.8	119.8
166	128.6	95.2	155.2

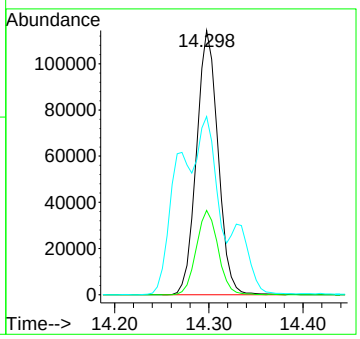


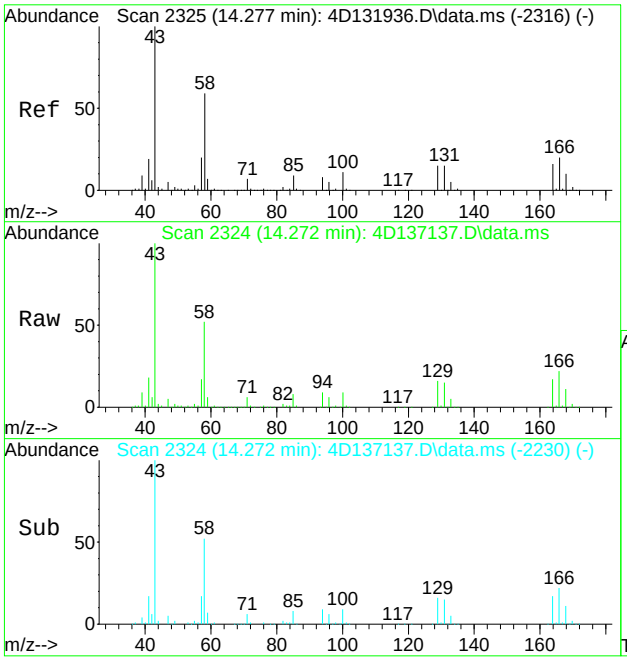


#80
1,3-dichloropropane
Concen: 24.4126 ug/L
RT: 14.298 min Scan# 2329
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 76 Resp: 181104

Ion	Ratio	Lower	Upper
76	100		
78	31.9	2.5	62.5
41	67.0	40.0	100.0

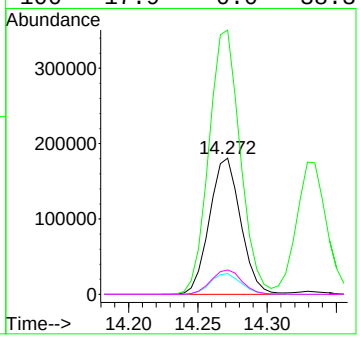


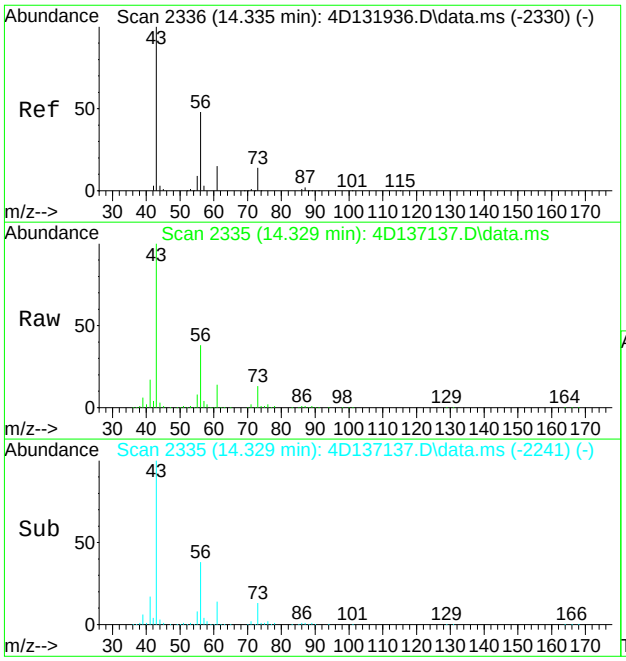


#81
2-hexanone
Concen: 76.6179 ug/L
RT: 14.272 min Scan# 2324
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 58 Resp: 283018

Ion	Ratio	Lower	Upper
58	100		
43	193.8	149.1	189.1#
85	15.3	0.0	34.7
100	17.9	0.0	38.3

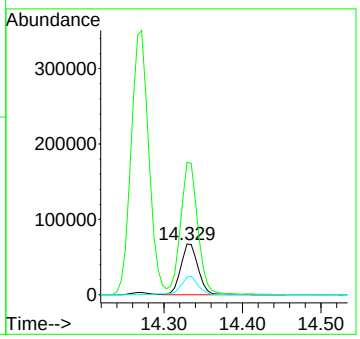


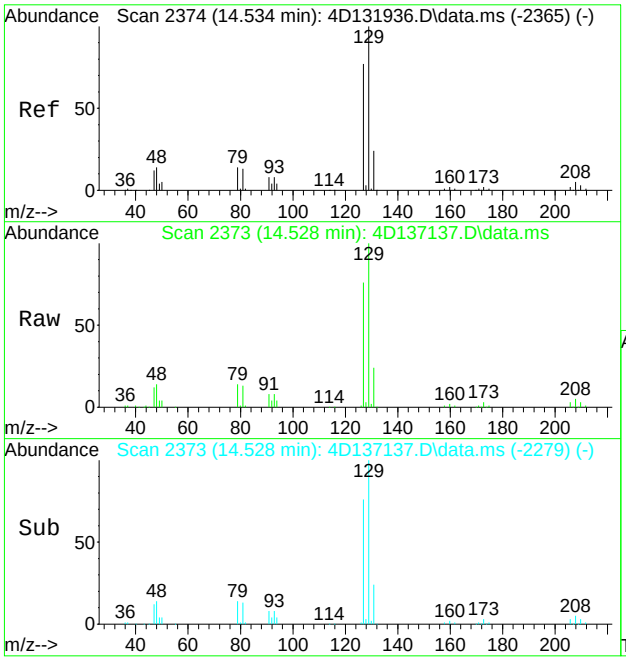


#82
butyl acetate
Concen: 19.6403 ug/L
RT: 14.329 min Scan# 2335
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 56 Resp: 103212

Ion	Ratio	Lower	Upper
56	100		
43	260.1	196.2	256.2#
73	35.0	0.0	59.9

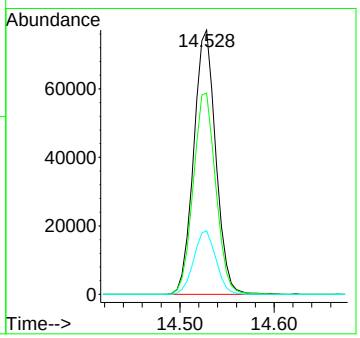


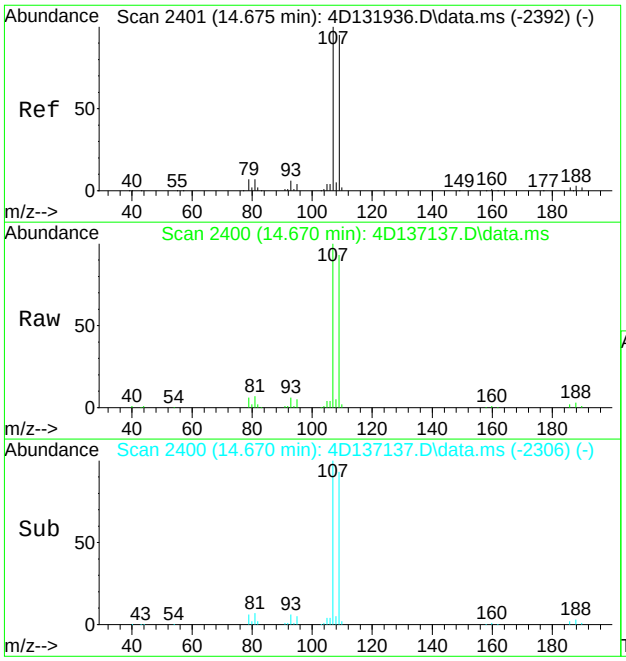


#83
dibromochloromethane
Concen: 21.3861 ug/L
RT: 14.528 min Scan# 2373
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:129 Resp: 125290

Ion	Ratio	Lower	Upper
129	100		
127	76.1	47.2	107.2
131	24.0	0.0	54.4

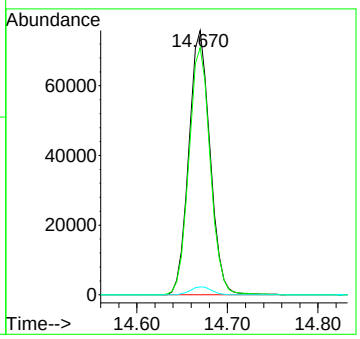


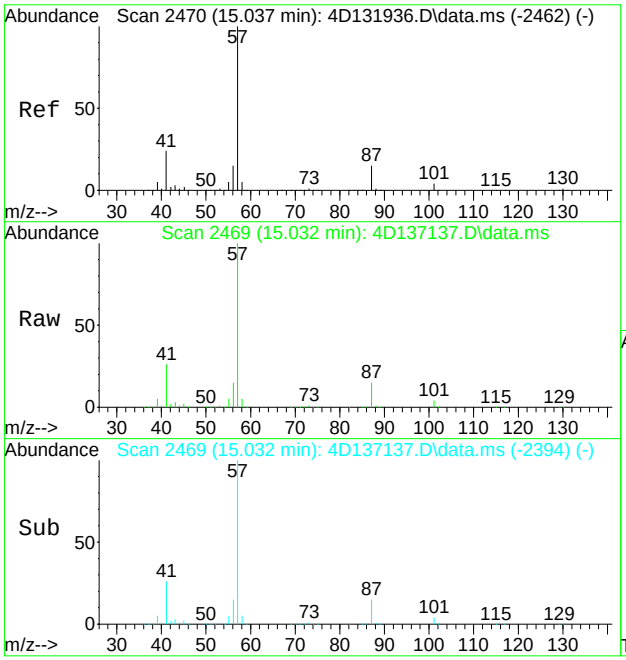


#84
1,2-dibromoethane
Concen: 22.9471 ug/L
RT: 14.670 min Scan# 2400
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:107 Resp: 123188

Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.1	125.1
188	3.0	0.0	33.2

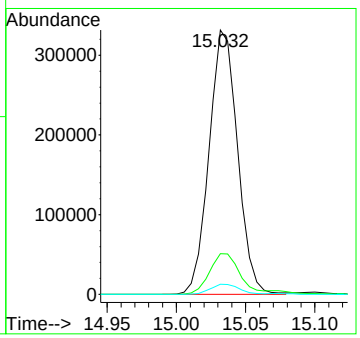


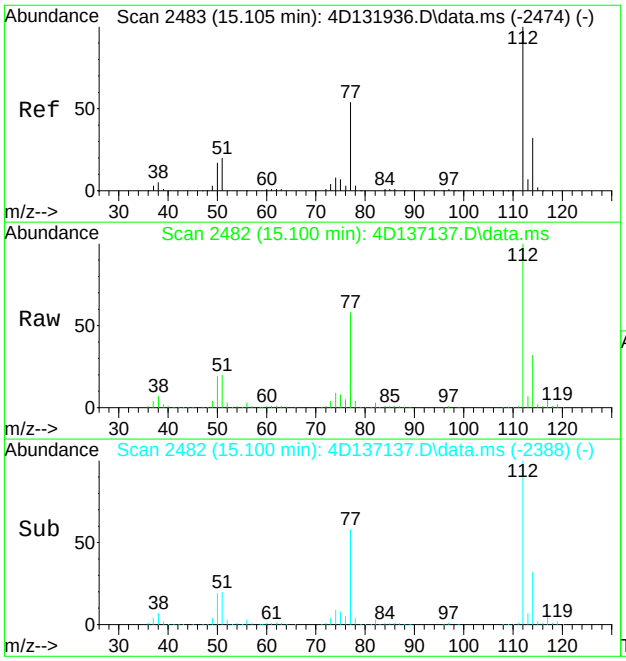


#85
n-butyl ether
Concen: 21.2875 ug/L
RT: 15.032 min Scan# 2469
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 57 Resp: 473091

Ion	Ratio	Lower	Upper
57	100		
87	15.4	0.0	44.7
101	3.8	0.0	33.8

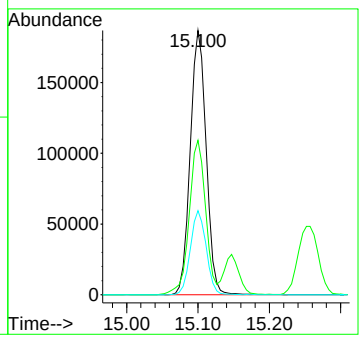


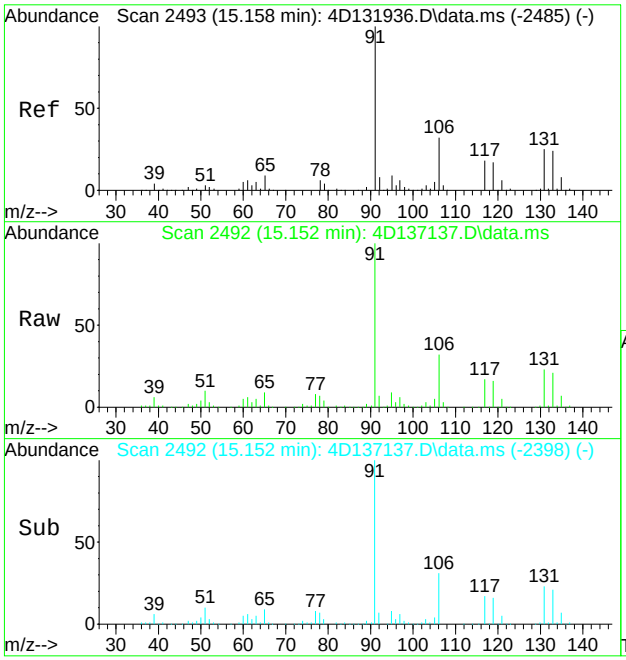


#86
chlorobenzene
Concen: 22.3209 ug/L
RT: 15.100 min Scan# 2482
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:112 Resp: 290107

Ion	Ratio	Lower	Upper
112	100		
77	57.9	23.8	83.8
114	31.8	2.2	62.2

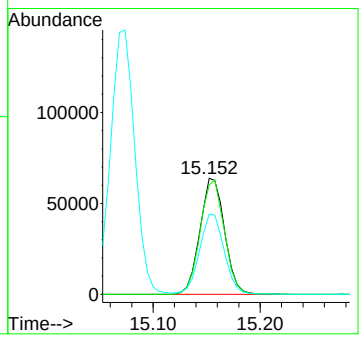


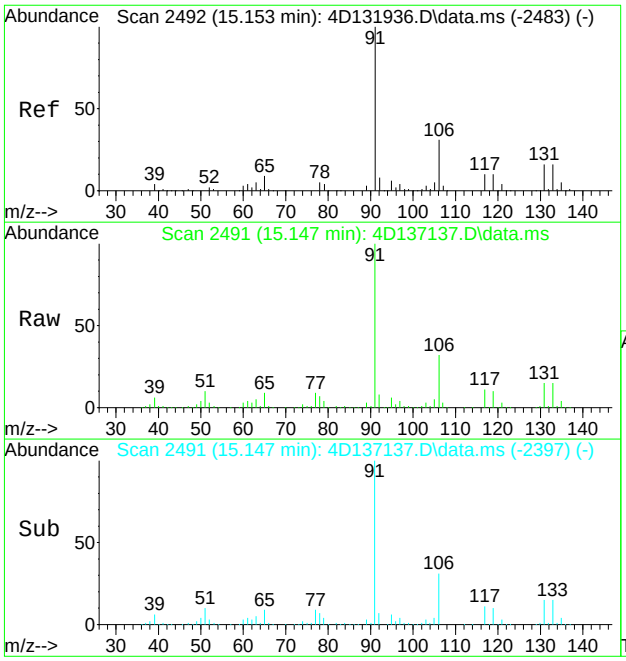


#87
1,1,1,2-tetrachloroethane
Concen: 21.7540 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:131 Resp: 102073

Ion	Ratio	Lower	Upper
131	100		
133	94.1	66.4	126.4
119	69.2	37.8	97.8

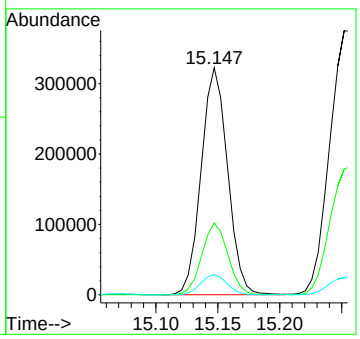


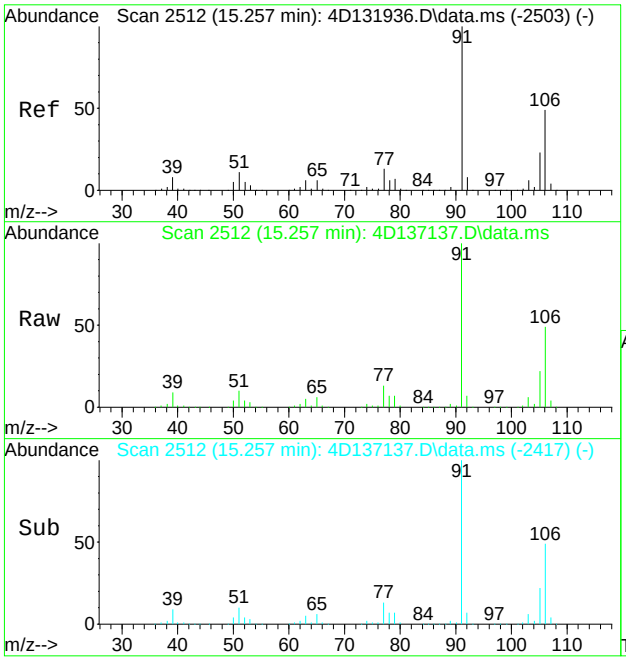


#88
ethylbenzene
Concen: 22.5516 ug/L
RT: 15.147 min Scan# 2491
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 91 Resp: 478388

Ion	Ratio	Lower	Upper
91	100		
106	31.7	1.3	61.3
65	8.9	0.0	39.1

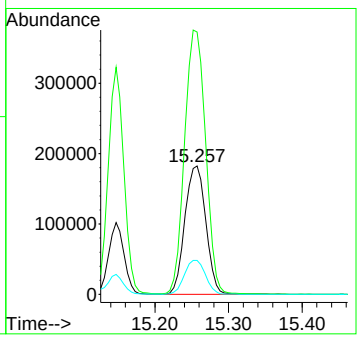


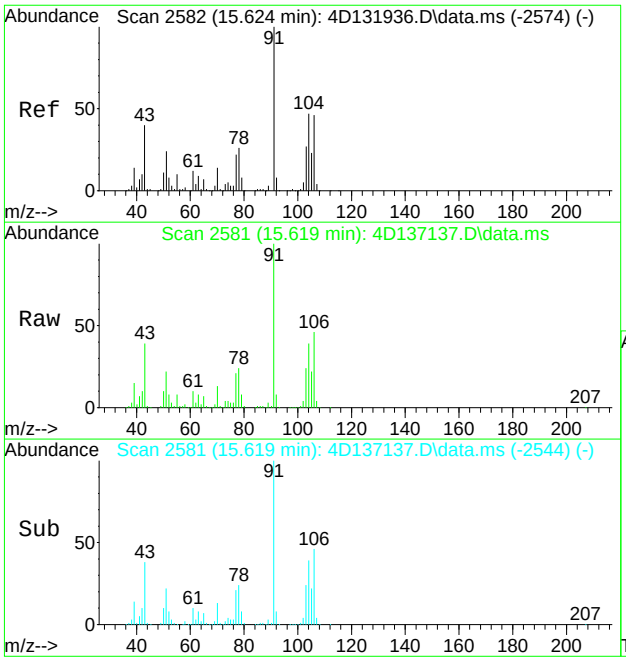


#89
m,p-xylene
Concen: 44.4057 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. 0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:106 Resp: 362360

Ion	Ratio	Lower	Upper
106	100		
91	204.3	173.6	233.6
77	26.6	5.6	45.6

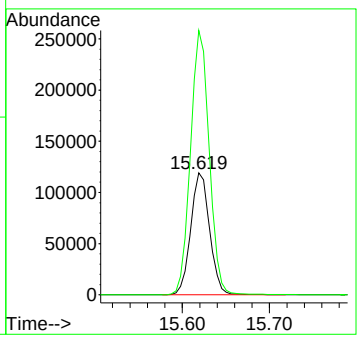


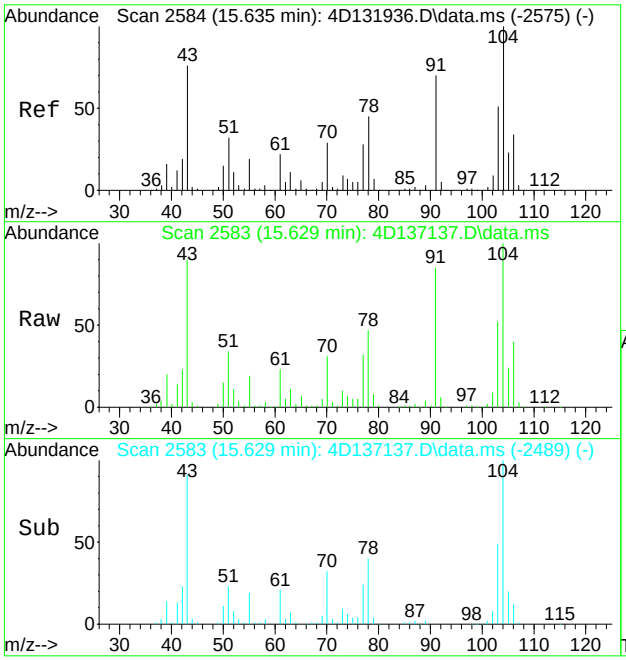


#90
o-xylene
Concen: 22.3765 ug/L
RT: 15.619 min Scan# 2581
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:106 Resp: 178785

Ion	Ratio	Lower	Upper
106	100		
91	216.9	188.2	248.2

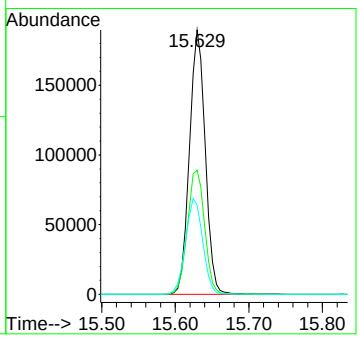


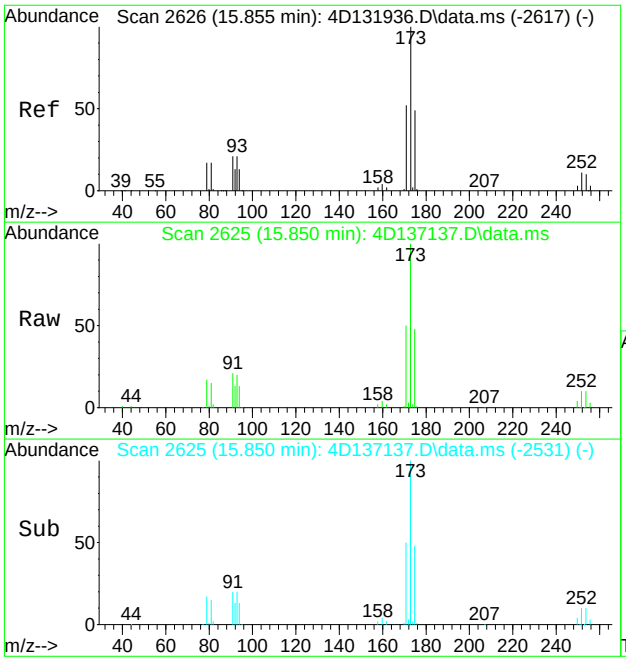


#91
styrene
Concen: 21.1130 ug/L
RT: 15.629 min Scan# 2583
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:104 Resp: 283169

Ion	Ratio	Lower	Upper
104	100		
78	46.9	14.9	74.9
51	33.7	2.1	62.1

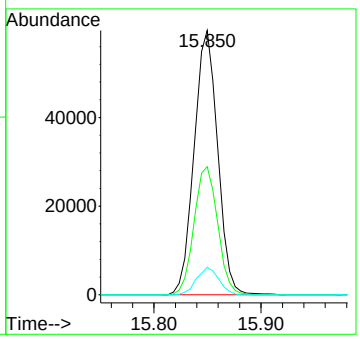


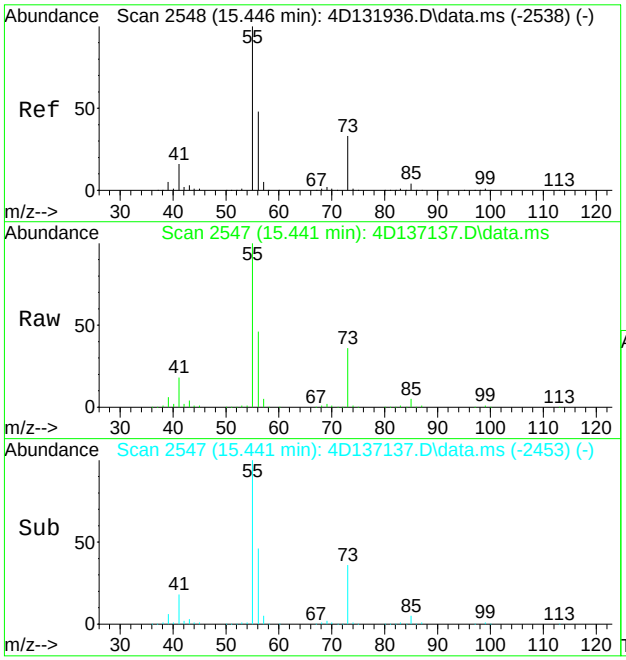


#92
bromoform
Concen: 21.8004 ug/L
RT: 15.850 min Scan# 2625
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:173 Resp: 91203

Ion	Ratio	Lower	Upper
173	100		
175	48.5	18.7	78.7
254	10.4	0.0	40.1

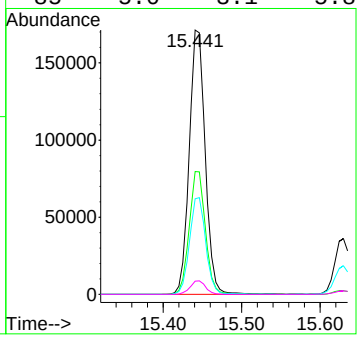


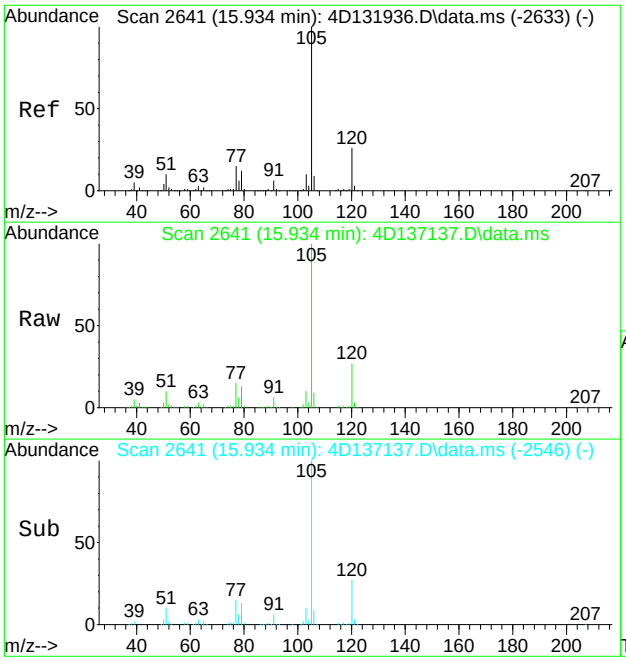


#93
butyl acrylate
Concen: 19.3715 ug/L
RT: 15.441 min Scan# 2547
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 55 Resp: 242984

Ion	Ratio	Lower	Upper
55	100		
56	46.4	33.5	62.1
73	36.1	23.2	43.2
85	5.0	3.1	5.8

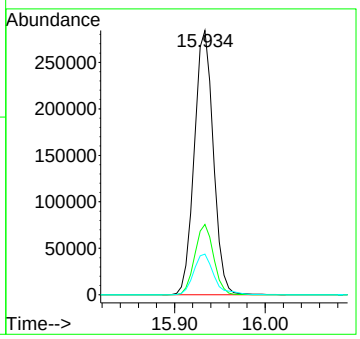


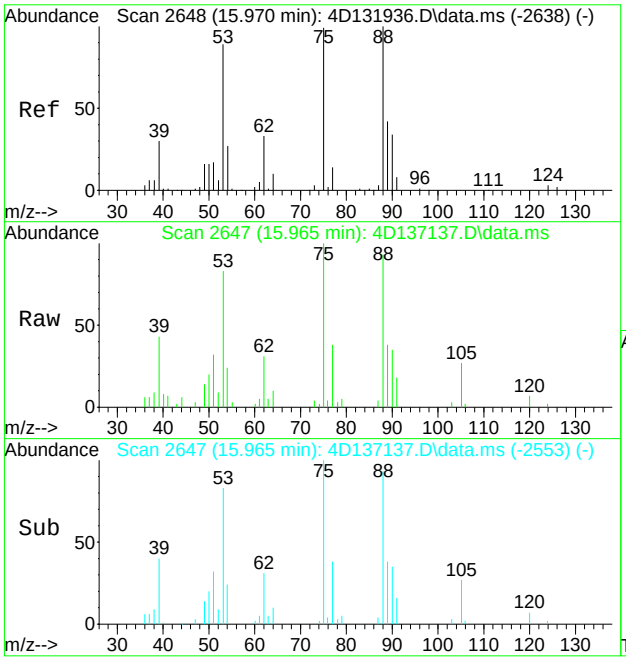


#94
isopropylbenzene
Concen: 22.3525 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:105 Resp: 413847

Ion	Ratio	Lower	Upper
105	100		
120	26.6	5.9	45.9
77	15.3	0.0	34.7

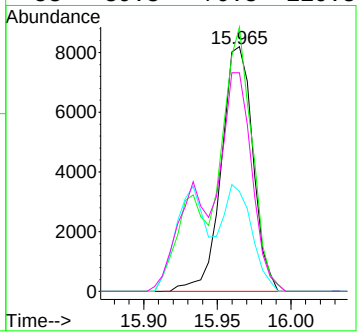


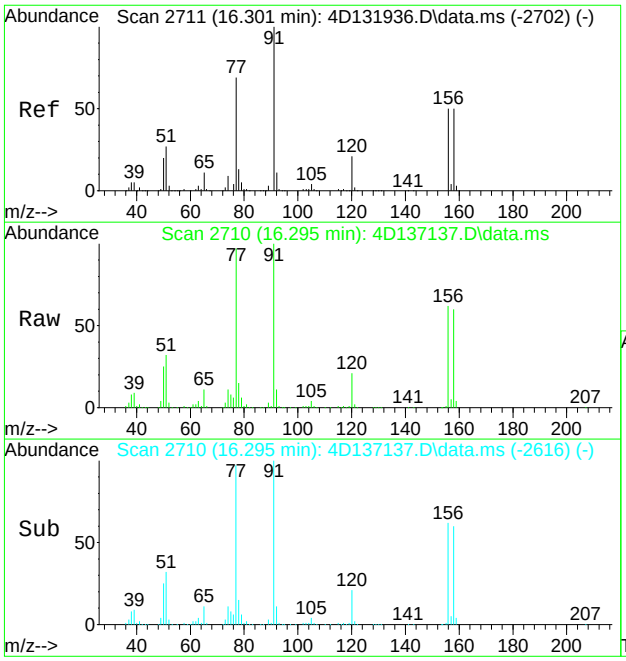


#95
cis-1,4-dichloro-2-butene
Concen: 5.0158 ug/L
RT: 15.965 min Scan# 2647
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 88 Resp: 12241

Ion	Ratio	Lower	Upper
88	100		
75	108.1	80.4	120.4
89	40.9	23.8	63.8
53	89.3	70.8	110.8

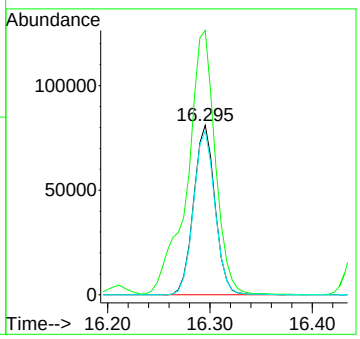


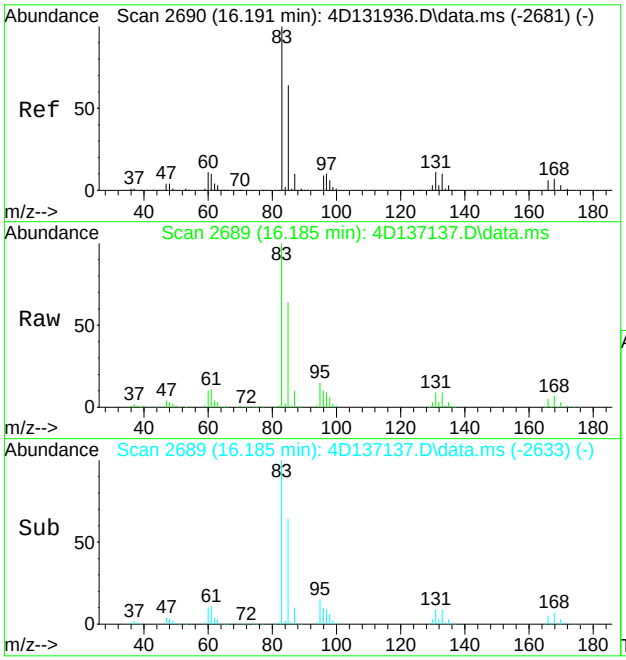


#98
bromobenzene
Concen: 23.1051 ug/L
RT: 16.295 min Scan# 2710
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:156 Resp: 117688

Ion	Ratio	Lower	Upper
156	100		
77	155.5	114.1	174.1
158	96.6	69.3	129.3

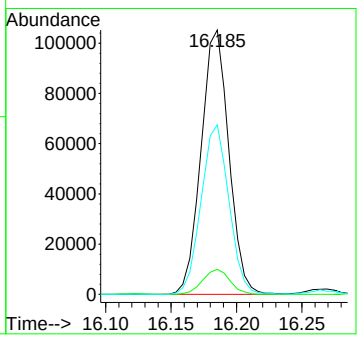


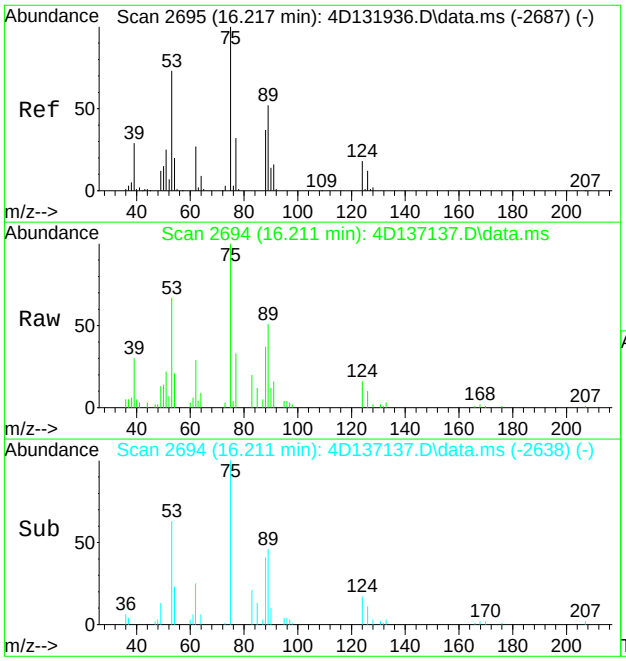


#99
1,1,2,2-tetrachloroethane
Concen: 23.0494 ug/L
RT: 16.185 min Scan# 2689
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 83 Resp: 155525

Ion	Ratio	Lower	Upper
83	100		
131	9.5	0.0	40.7
85	64.1	33.7	93.7

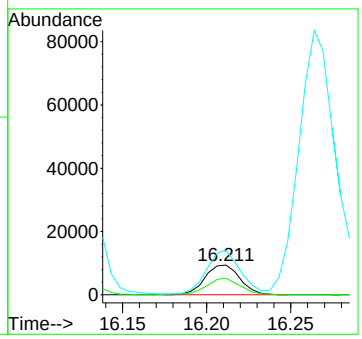


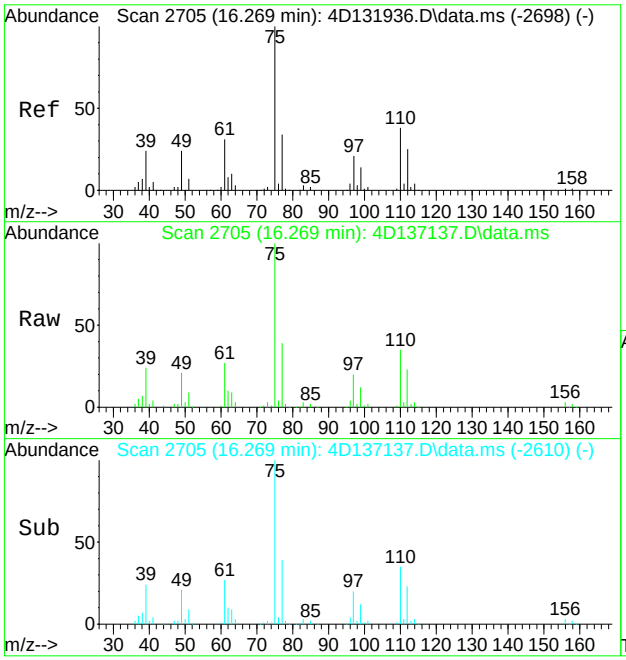


#100
trans-1,4-dichloro-2-butene
Concen: 6.6171 ug/L
RT: 16.211 min Scan# 2694
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 53 Resp: 13588

Ion	Ratio	Lower	Upper
53	100		
88	55.8	20.8	80.8
75	146.9	106.5	166.5

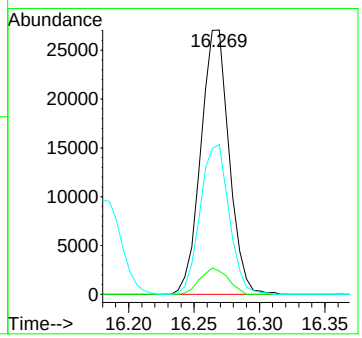


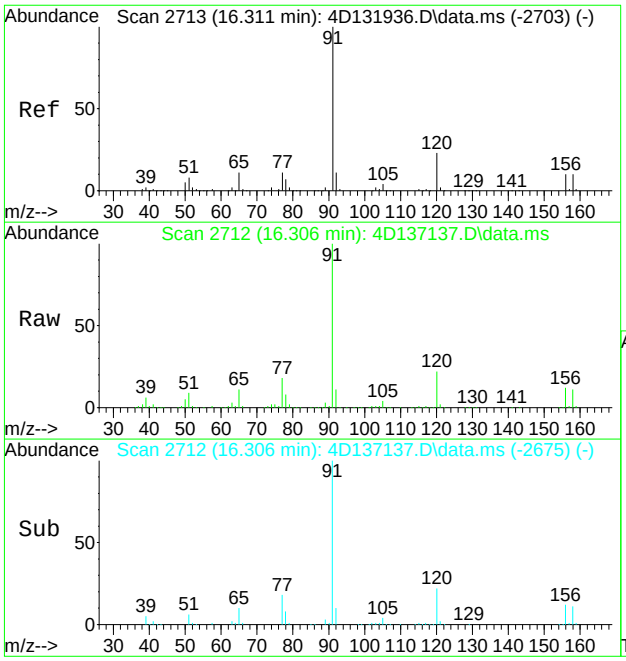


#101
1,2,3-trichloropropane
Concen: 22.5968 ug/L
RT: 16.269 min Scan# 2705
Delta R.T. 0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:110 Resp: 40881

Ion	Ratio	Lower	Upper
110	100		
111	8.8	0.0	40.4
97	56.7	25.6	85.6

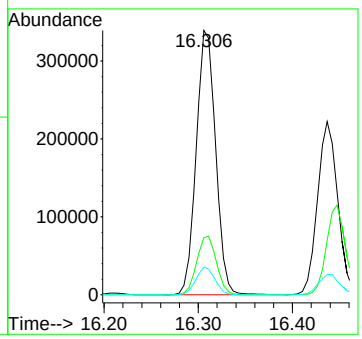


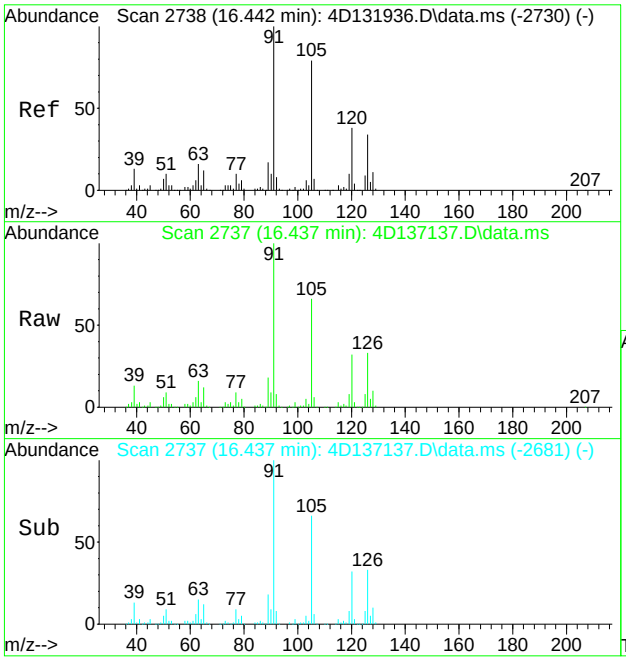


#102
n-propylbenzene
Concen: 22.8391 ug/L
RT: 16.306 min Scan# 2712
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 91 Resp: 485461

Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	53.1
65	10.5	0.0	40.8

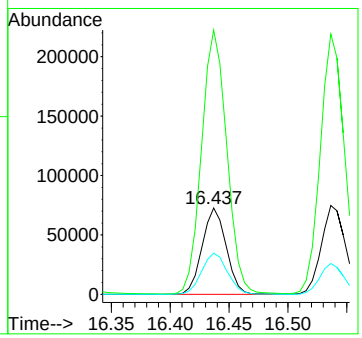


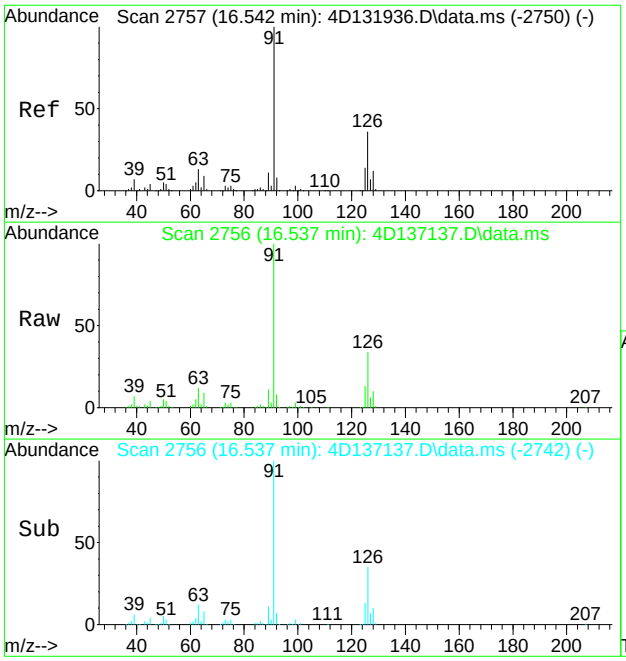


#103
2-chlorotoluene
Concen: 22.5542 ug/L
RT: 16.437 min Scan# 2737
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:126 Resp: 103329

Ion	Ratio	Lower	Upper
126	100		
91	306.2	265.9	325.9
63	48.0	18.3	78.3

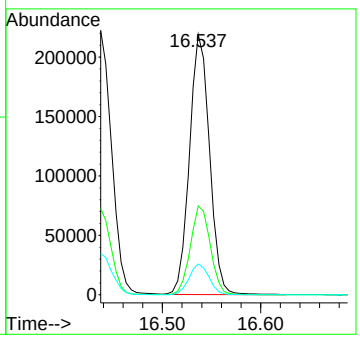


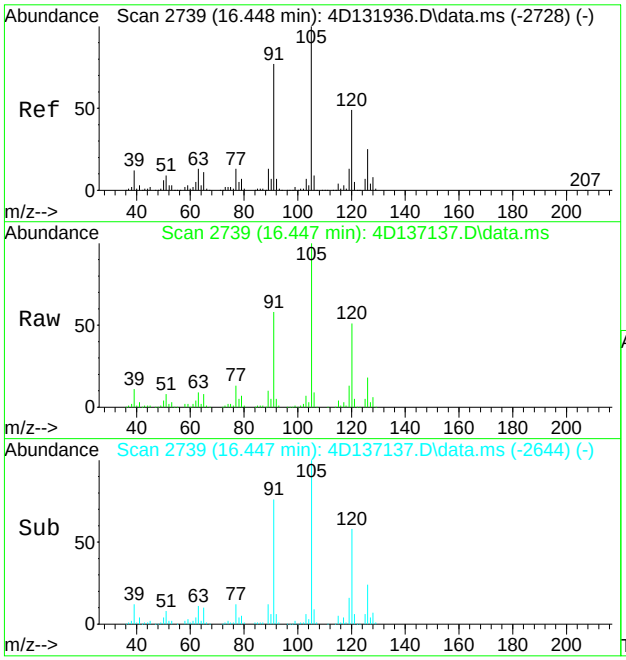


#104
4-chlorotoluene
Concen: 22.2903 ug/L
RT: 16.537 min Scan# 2756
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 91 Resp: 311446

Ion	Ratio	Lower	Upper
91	100		
126	34.1	5.5	65.5
63	11.9	0.0	42.5

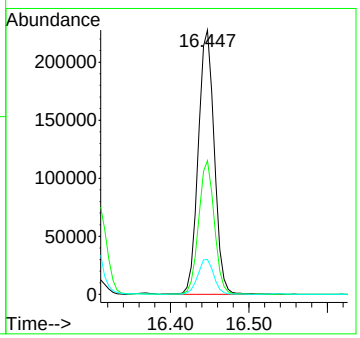


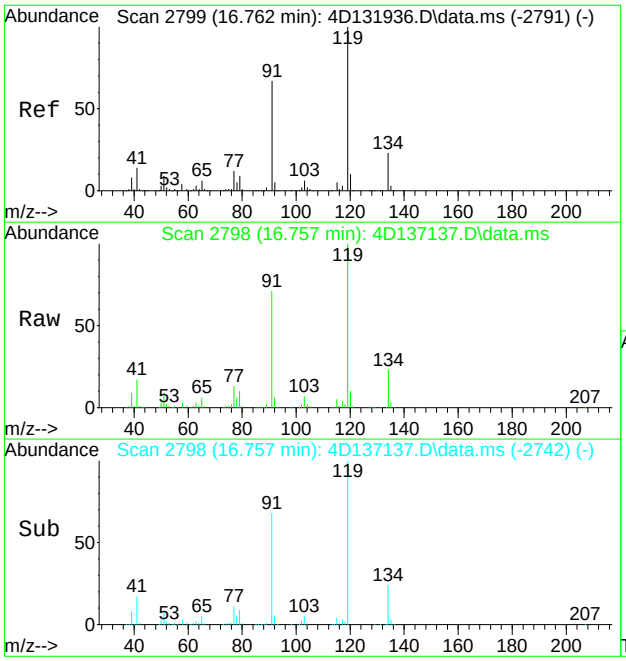


#105
1,3,5-trimethylbenzene
Concen: 21.5389 ug/L
RT: 16.447 min Scan# 2739
Delta R.T. -0.001 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:105 Resp: 322428

Ion	Ratio	Lower	Upper
105	100		
120	50.5	19.3	79.3
77	13.1	0.0	42.7

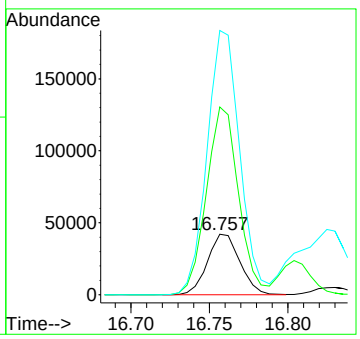


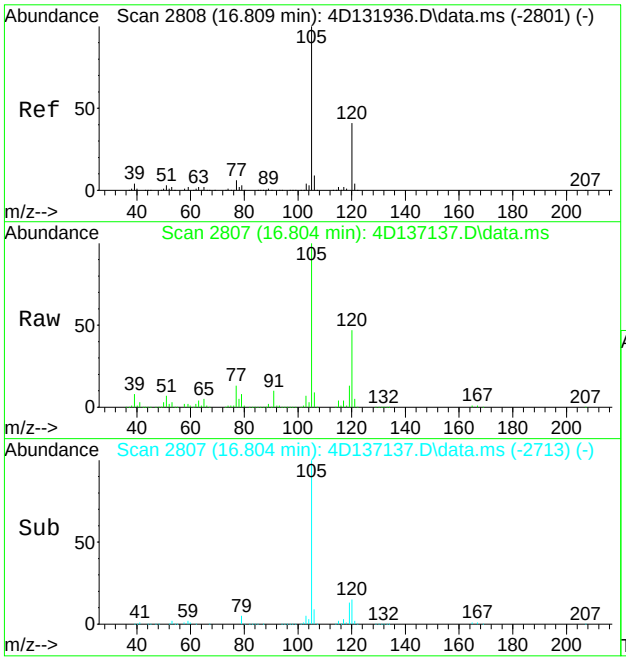


#106
tert-butylbenzene
Concen: 21.8545 ug/L
RT: 16.757 min Scan# 2798
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:134 Resp: 60706

Ion	Ratio	Lower	Upper
134	100		
91	309.5	266.0	326.0
119	436.0	410.0	470.0

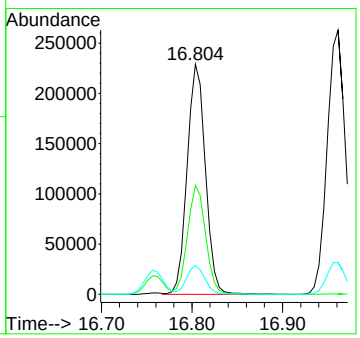


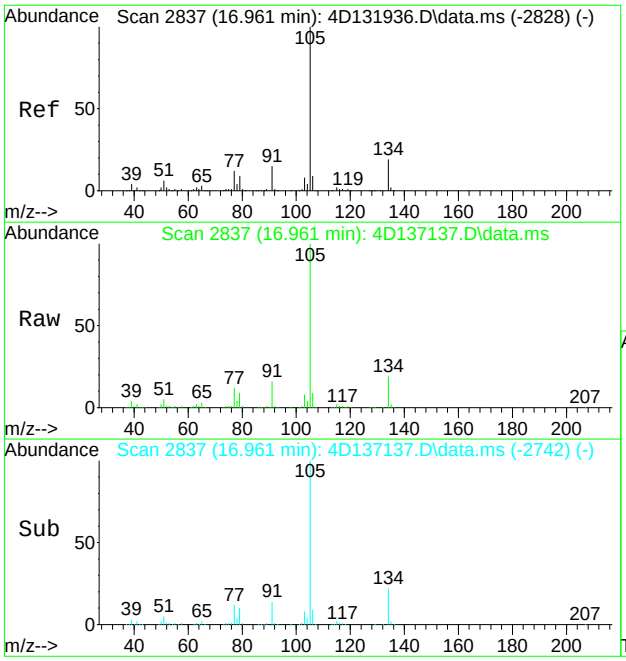


#107
1,2,4-trimethylbenzene
Concen: 21.3008 ug/L
RT: 16.804 min Scan# 2807
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:105 Resp: 321354

Ion	Ratio	Lower	Upper
105	100		
120	47.4	15.8	75.8
77	12.6	0.0	41.4

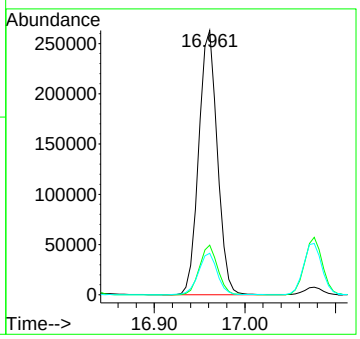


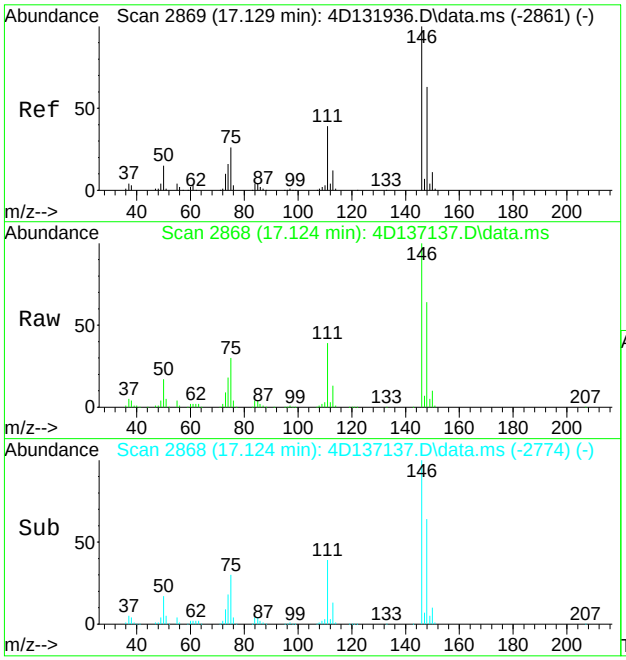


#108
sec-butylbenzene
Concen: 21.4844 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. 0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:105 Resp: 373920

Ion	Ratio	Lower	Upper
105	100		
134	18.8	0.0	48.6
91	15.7	0.0	45.4

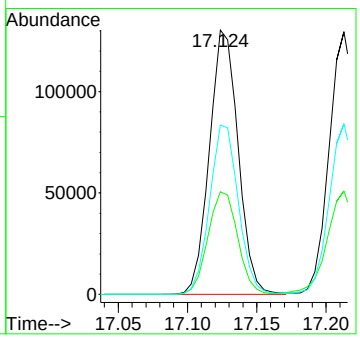


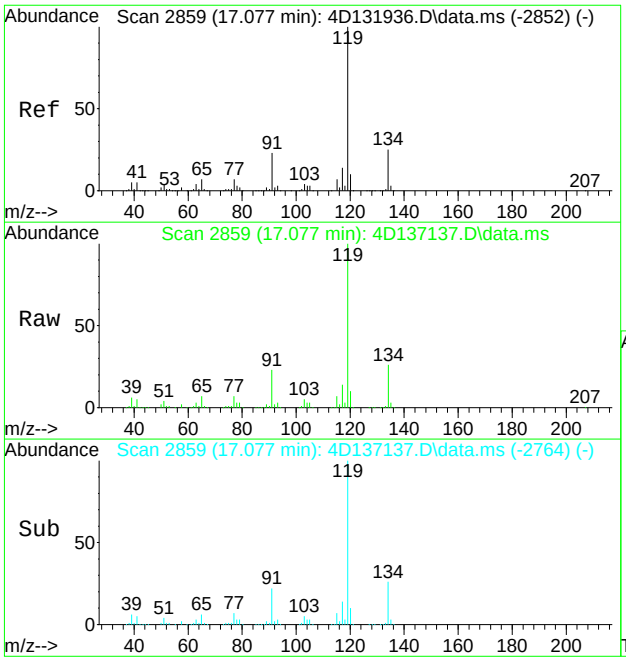


#109
1,3-dichlorobenzene
Concen: 21.3750 ug/L
RT: 17.124 min Scan# 2868
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:146 Resp: 188079

Ion	Ratio	Lower	Upper
146	100		
111	38.8	9.4	69.4
148	64.1	33.3	93.3

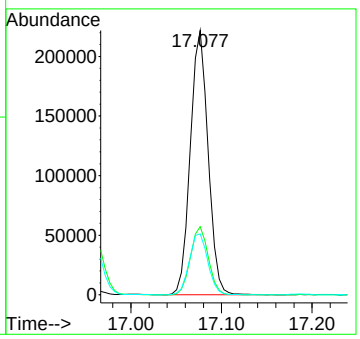


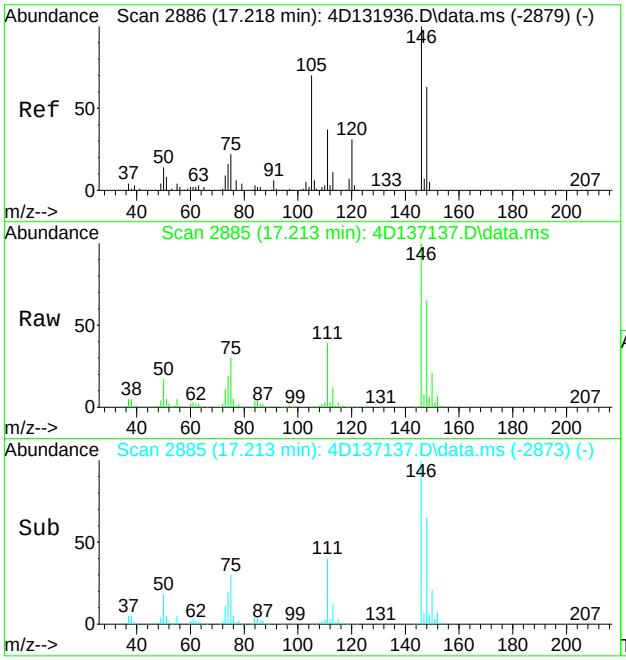


#110
p-isopropyltoluene
Concen: 20.9707 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. -0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:119 Resp: 302413

Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	55.5
91	23.0	0.0	53.2

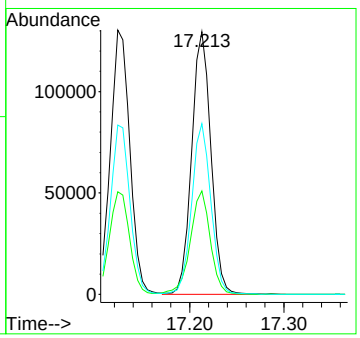


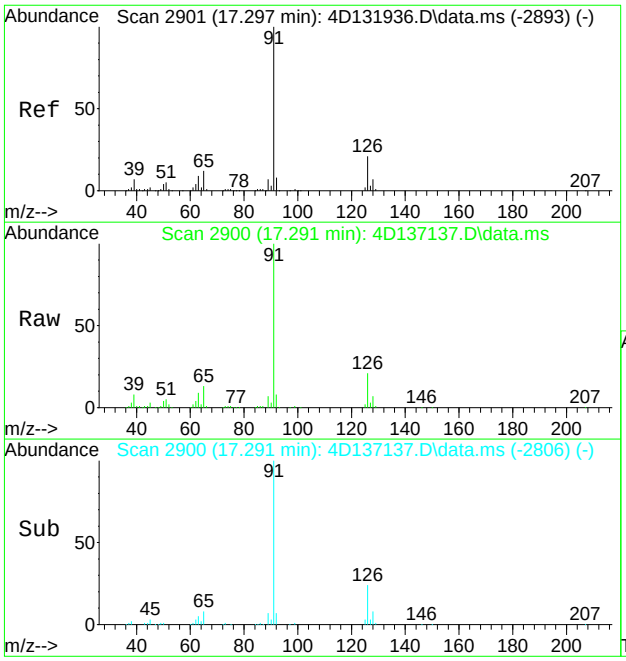


#111
1,4-dichlorobenzene
Concen: 21.7830 ug/L
RT: 17.213 min Scan# 2885
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:146 Resp: 184541

Ion	Ratio	Lower	Upper
146	100		
111	39.5	7.6	67.6
148	65.0	33.6	93.6

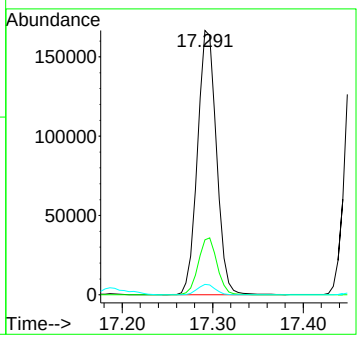


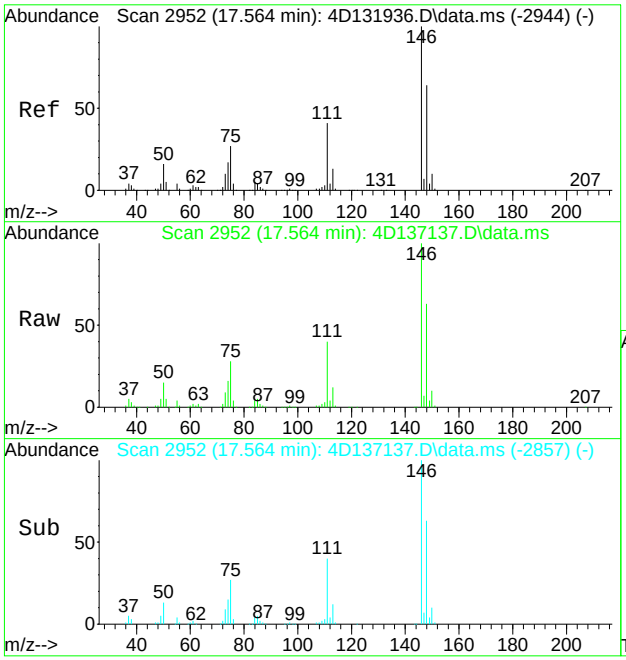


#113
benzyl chloride
Concen: 20.9980 ug/L
RT: 17.291 min Scan# 2900
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 91 Resp: 241894

Ion	Ratio	Lower	Upper
91	100		
126	20.8	0.0	51.2
62	4.0	0.0	34.2

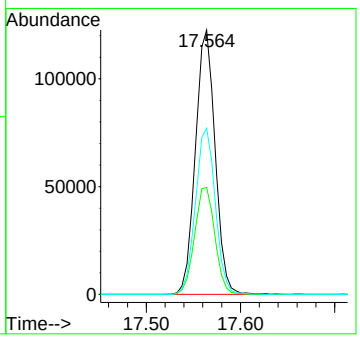


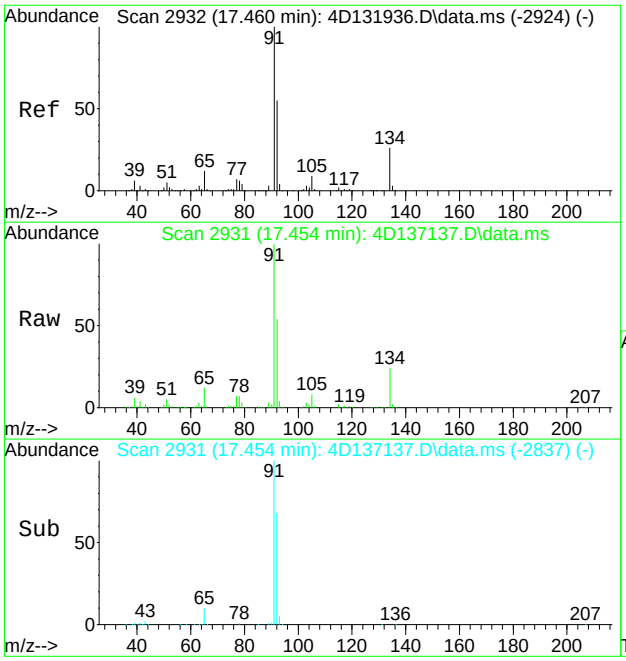


#114
1,2-dichlorobenzene
Concen: 21.4481 ug/L
RT: 17.564 min Scan# 2952
Delta R.T. 0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:146 Resp: 178070

Ion	Ratio	Lower	Upper
146	100		
111	40.4	11.4	71.4
148	62.9	33.6	93.6

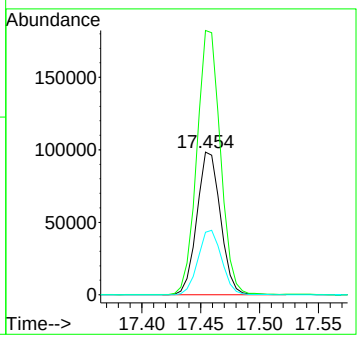


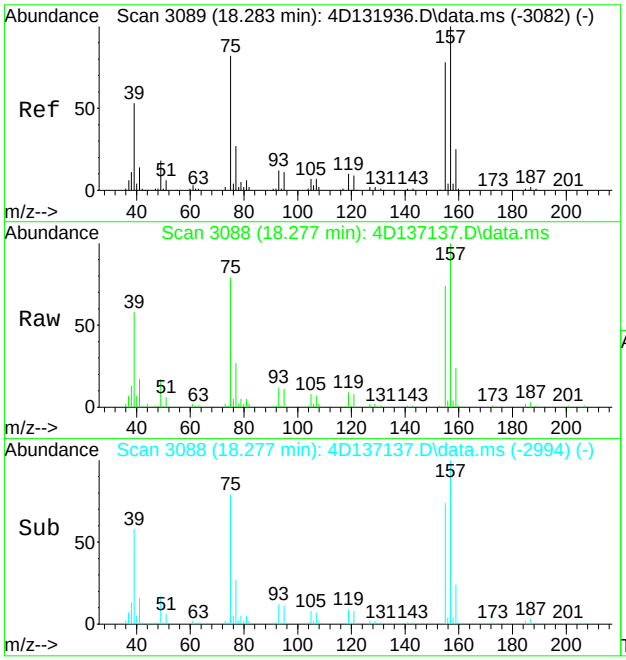


#115
n-butylbenzene
Concen: 21.5940 ug/L
RT: 17.454 min Scan# 2931
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion: 92 Resp: 137287

Ion	Ratio	Lower	Upper
92	100		
91	185.0	151.4	211.4
134	43.9	16.5	76.5

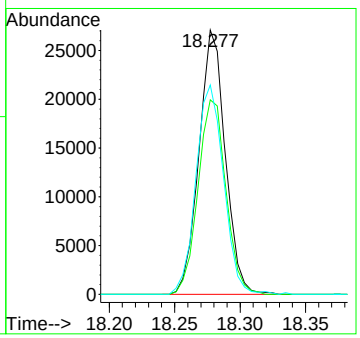


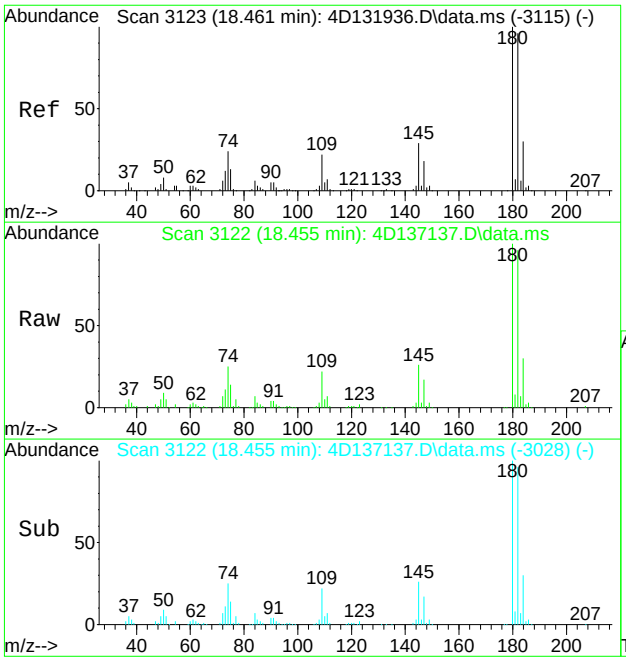


#116
1,2-dibromo-3-chloropropane
Concen: 20.4636 ug/L
RT: 18.277 min Scan# 3088
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:157 Resp: 37934

Ion	Ratio	Lower	Upper
157	100		
155	73.6	48.1	108.1
75	79.2	52.3	112.3

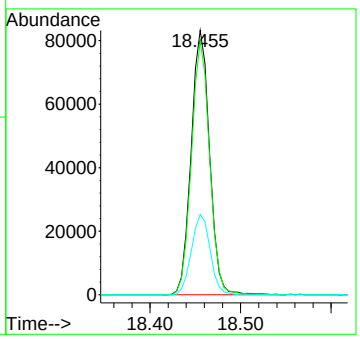


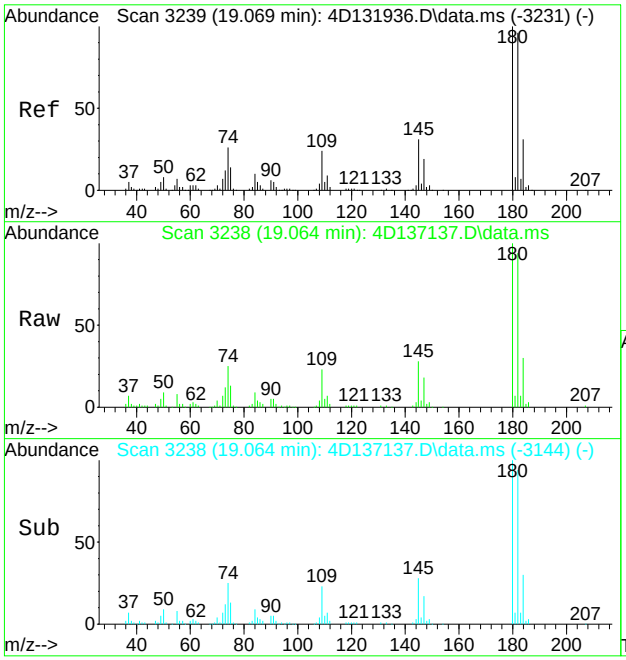


#117
1,3,5-trichlorobenzene
Concen: 22.9056 ug/L
RT: 18.455 min Scan# 3122
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:180 Resp: 117574

Ion	Ratio	Lower	Upper
180	100		
182	96.0	66.1	126.1
184	30.4	0.3	60.3

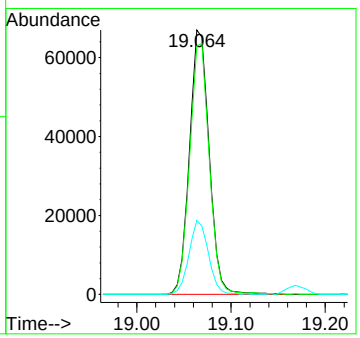


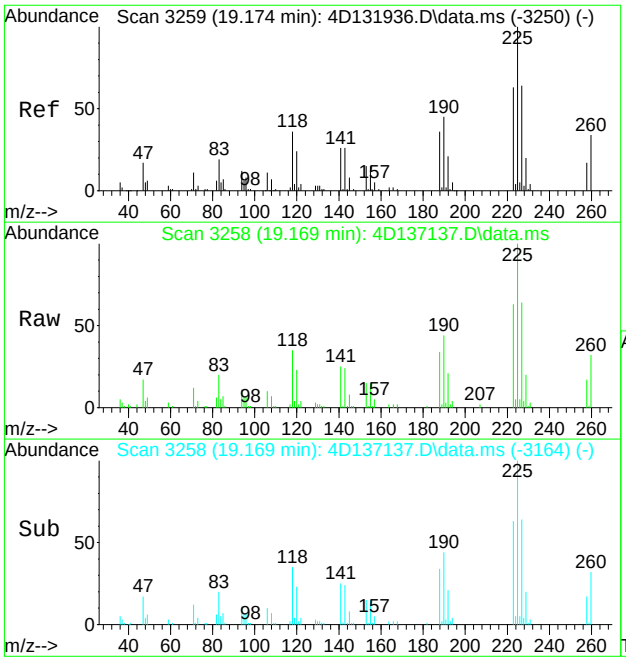


#118
1,2,4-trichlorobenzene
Concen: 21.8372 ug/L
RT: 19.064 min Scan# 3238
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:180 Resp: 97582

Ion	Ratio	Lower	Upper
180	100		
182	93.9	65.6	125.6
145	28.0	0.8	60.8

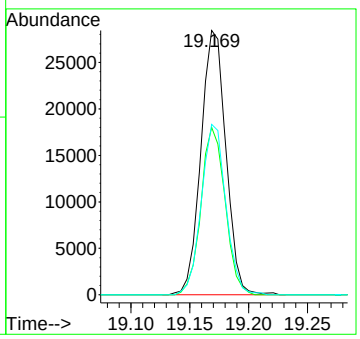


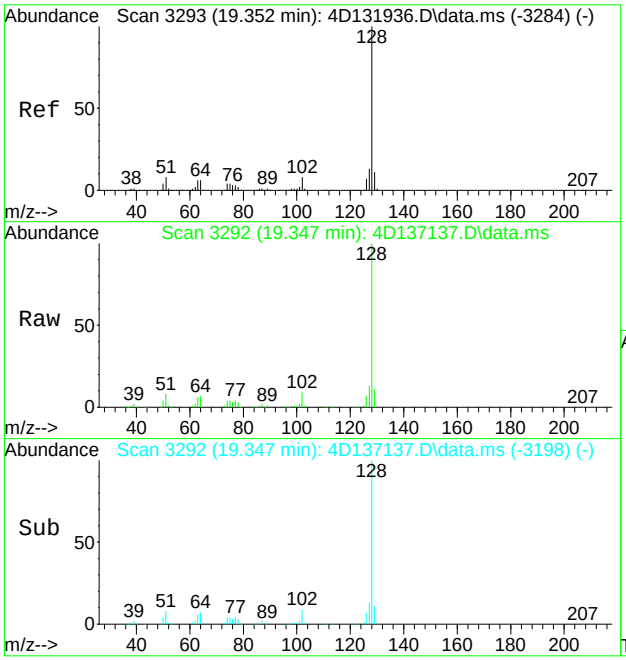


#119
hexachlorobutadiene
Concen: 24.1463 ug/L
RT: 19.169 min Scan# 3258
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:225 Resp: 42119

Ion	Ratio	Lower	Upper
225	100		
223	63.3	33.3	93.3
227	64.5	33.8	93.8

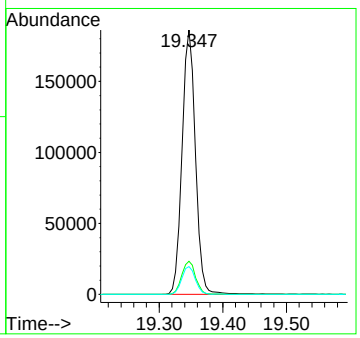


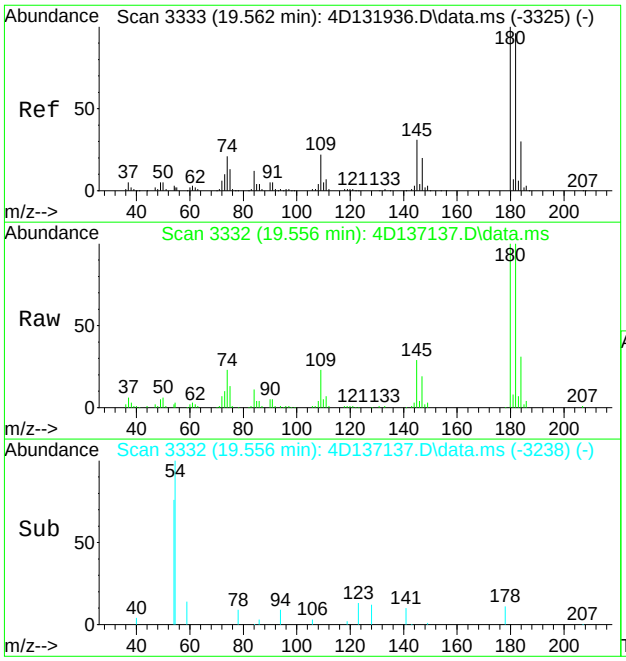


#120
naphthalene
Concen: 18.2367 ug/L
RT: 19.347 min Scan# 3292
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:128 Resp: 270503

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	42.5
129	10.6	0.0	41.0

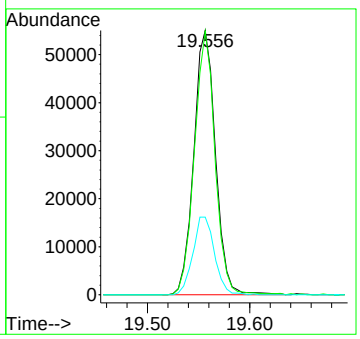


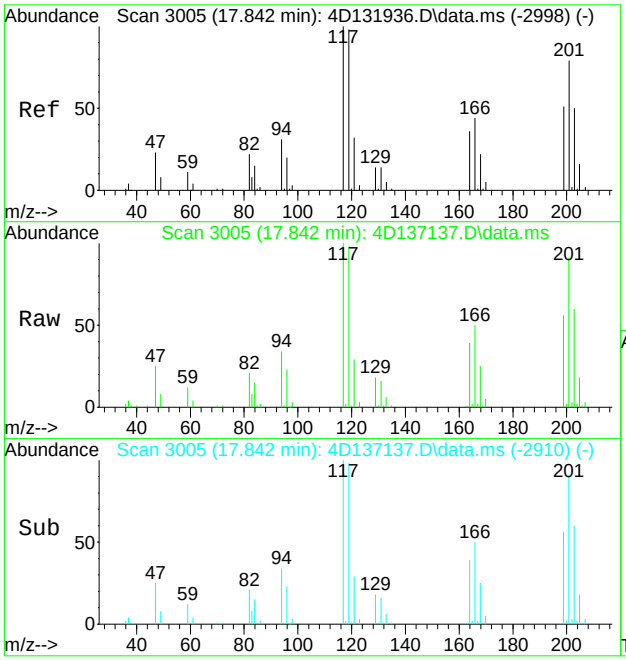


#121
1,2,3-trichlorobenzene
Concen: 20.3812 ug/L
RT: 19.556 min Scan# 3332
Delta R.T. -0.006 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:180 Resp: 81172

Ion	Ratio	Lower	Upper
180	100		
182	99.6	66.3	126.3
145	29.4	1.3	61.3

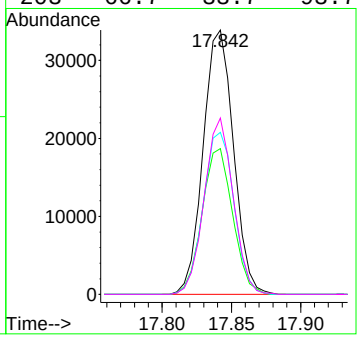


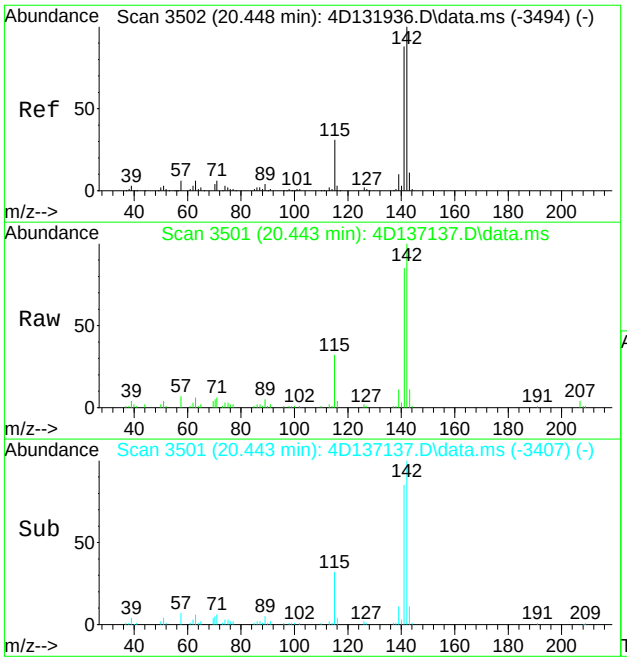


#122
hexachloroethane
Concen: 23.7205 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. 0.000 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:201 Resp: 51547

Ion	Ratio	Lower	Upper
201	100		
166	55.1	26.1	86.1
199	61.3	33.8	93.8
203	66.7	33.7	93.7

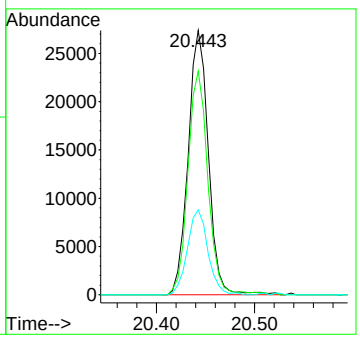




#123
2-methylnaphthalene
Concen: 6.1906 ug/L
RT: 20.443 min Scan# 3501
Delta R.T. -0.005 min
Lab File: 4D137137.D
Acq: 6 Jun 2024 5:41 pm

Tgt Ion:142 Resp: 39061

Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.9	107.9
115	32.1	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137138.D
Acq On : 6 Jun 2024 6:10 pm
Operator : nickw
Sample : jd89657-9msd Inst : GCMS4D
Misc : MS81711,V4D6052,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 07 16:53:12 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.814	65	583806	500.00	ug/L	-0.02
5) pentafluorobenzene	11.293	168	513559	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.201	114	892119	50.00	ug/L	0.00
73) chlorobenzene-d5	15.068	117	720079	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	303660	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.293	168	513559	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	303660	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.330	113	302486	55.18	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.36%			
52) 1,2-dichloroethane-d4 (s)	11.750	65	310479	47.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.84%			
74) toluene-d8 (s)	13.700	98	958258	50.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.50%			
97) 4-bromofluorobenzene (s)	16.122	95	348137	54.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.76%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.945	59	239943	129.7412	ug/L	96
3) ethanol	7.309	45	409438	2330.9093	ug/L	98
4) 1,4-dioxane	12.803	88	70261	602.6879	ug/L	94
7) dichlorodifluoromethane	4.740	85	101413	12.9795	ug/L	100
8) chloromethane	5.233	50	86783	10.1813	ug/L	98
9) vinyl chloride	5.500	62	160497	22.7732	ug/L	99
10) 1,3-butadiene	5.600	54	164407	29.3550	ug/L	93
11) bromomethane	6.292	94	69468	18.2681	ug/L	93
12) chloroethane	6.528	64	67291	16.5731	ug/L	99
13) trichlorofluoromethane	7.078	101	171605	20.5103	ug/L	99
14) ethyl ether	7.587	74	79649	27.5663	ug/L	89
15) acrolein	7.849	56	14221	8.2921	ug/L	77
16) freon 113	8.064	151	92089	24.4535	ug/L	97
17) 1,1-dichloroethene	8.074	96	124835	29.1060	ug/L	89
18) acetone	8.079	58	80491	63.4232	ug/L	90
19) acetonitrile	8.551	41	322988	256.6480	ug/L	98
20) iodomethane	8.363	142	149220	24.0595	ug/L	98
21) carbon disulfide	8.520	76	343658	25.7806	ug/L	97
22) methylene chloride	8.887	84	139126	24.4276	ug/L	92
23) methyl acetate	8.609	74	34138	25.6119	ug/L	99
24) methyl tert butyl ether	9.280	73	457861	28.6696	ug/L	99
25) trans-1,2-dichloroethene	9.327	96	133095	27.5186	ug/L	93
26) di-isopropyl ether	9.946	45	483659	25.4245	ug/L	98
27) 2-butanone	10.659	72	110938	96.1330	ug/L	91
28) 1,1-dichloroethane	9.967	63	319867	32.7043	ug/L	97
29) chloroprene	10.072	53	213421	24.0801	ug/L	95
30) acrylonitrile	9.212	53	80718	24.3118	ug/L	99
31) hexane	9.726	56	46460	10.2007	ug/L	91
32) vinyl acetate	9.894	86	31634	28.4372	ug/L	99
33) ethyl tert-butyl ether	10.444	59	435921	23.0201	ug/L	97
34) ethyl acetate	10.680	70	22236	20.2611	ug/L	98
35) 2,2-dichloropropane	10.764	77	197646	25.7885	ug/L	96
36) cis-1,2-dichloroethene	10.738	96	297741	52.7661	ug/L	92
37) methyl acrylate	10.764	55	226743	22.4440	ug/L	98
38) propionitrile	10.743	54	329299	223.3708	ug/L	92
39) bromochloromethane	11.052	128	70727	25.0762	ug/L	96
40) tetrahydrofuran	11.068	72	36098	30.2667	ug/L	99
41) chloroform	11.136	85	159774	28.1189	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137138.D
Acq On : 6 Jun 2024 6:10 pm
Operator : nickw
Sample : jd89657-9msd Inst : GCMS4D
Misc : MS81711,V4D6052,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 07 16:53:12 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
42) t-butyl formate	11.168	59	16680	6.7579 ug/L		97
44) methacrylonitrile	10.958	67	76911	24.1905 ug/L		98
45) 1,1,1-trichloroethane	11.398	97	205083	26.3968 ug/L		95
46) cyclohexane	11.508	84	120161	17.1646 ug/L	#	73
47) 1,1-dichloropropene	11.571	75	180017	27.5352 ug/L		98
48) isobutyl alcohol	11.529	74	13438	223.1214 ug/L	#	69
49) carbon tetrachloride	11.592	117	174745	26.1241 ug/L		99
50) tert amyl alcohol	11.681	55	59110	104.5200 ug/L		94
53) n-butyl alcohol	12.242	56	455154	1022.5617 ug/L		91
54) 2,2,4-trimethylpentane	11.896	57	308776	20.4937 ug/L		98
55) benzene	11.813	78	496646	25.1042 ug/L		99
56) tert-amyl methyl ether	11.881	87	83958	22.2308 ug/L		92
57) heptane	12.048	71	76145	23.2058 ug/L		91
58) isopropyl acetate	11.713	87	36728	24.3959 ug/L	#	84
59) 1,2-dichloroethane	11.839	62	172248	20.9912 ug/L		98
60) trichloroethene	12.494	130	129765	23.7069 ug/L		95
61) ethyl acrylate	12.473	55	221980	21.1007 ug/L		98
64) methyl methacrylate	12.720	100	41141	21.7969 ug/L		92
65) 1,2-dichloropropane	12.762	63	132208	23.3719 ug/L		98
66) dibromomethane	12.866	93	84325	23.6667 ug/L		98
67) methylcyclohexane	12.772	83	180137	23.0653 ug/L		95
68) bromodichloromethane	13.008	83	172183	23.6430 ug/L		99
69) epichlorohydrin	13.296	57	94838	87.8910 ug/L		98
70) cis-1,3-dichloropropene	13.417	75	210432	24.2886 ug/L		98
71) 4-methyl-2-pentanone	13.501	58	284733	83.6450 ug/L	#	81
75) toluene	13.768	92	279111	23.2234 ug/L		98
76) trans-1,3-dichloropropene	13.931	75	178491	22.5228 ug/L		99
77) ethyl methacrylate	13.910	69	172117	22.0521 ug/L		99
78) 1,1,2-trichloroethane	14.135	83	98636	23.0390 ug/L		95
79) tetrachloroethene	14.272	164	97872	23.4305 ug/L		98
80) 1,3-dichloropropane	14.298	76	182746	24.2174 ug/L		98
81) 2-hexanone	14.272	58	288102	76.6754 ug/L	#	86
82) butyl acetate	14.334	56	104518	19.5526 ug/L	#	81
83) dibromochloromethane	14.528	129	127231	21.3502 ug/L		97
84) 1,2-dibromoethane	14.670	107	124694	22.8348 ug/L		100
85) n-butyl ether	15.032	57	491865	21.7581 ug/L		97
86) chlorobenzene	15.100	112	294659	22.2878 ug/L		96
87) 1,1,1,2-tetrachloroethane	15.158	131	104819	21.9615 ug/L		98
88) ethylbenzene	15.147	91	493192	22.8564 ug/L		99
89) m,p-xylene	15.257	106	376961	45.4139 ug/L		99
90) o-xylene	15.619	106	184037	22.6443 ug/L		98
91) styrene	15.629	104	292129	21.4127 ug/L		96
92) bromoform	15.850	173	91905	21.5968 ug/L		99
93) butyl acrylate	15.446	55	247536	19.4007 ug/L		97
94) isopropylbenzene	15.934	105	422632	22.4410 ug/L		97
95) cis-1,4-dichloro-2-butene	15.965	88	14757	5.9445 ug/L		96
98) bromobenzene	16.295	156	119481	23.3951 ug/L		95
99) 1,1,2,2-tetrachloroethane	16.185	83	156372	23.1136 ug/L		98
100) trans-1,4-dichloro-2-b...	16.211	53	14948	7.2602 ug/L		91
101) 1,2,3-trichloropropane	16.264	110	41740	23.0106 ug/L		99
102) n-propylbenzene	16.306	91	500718	23.4946 ug/L		99
103) 2-chlorotoluene	16.437	126	106455	23.1751 ug/L		93
104) 4-chlorotoluene	16.537	91	319211	22.7856 ug/L		96
105) 1,3,5-trimethylbenzene	16.447	105	329484	21.9520 ug/L		97
106) tert-butylbenzene	16.762	134	63702	22.8724 ug/L		91
107) 1,2,4-trimethylbenzene	16.804	105	331428	21.9105 ug/L		98
108) sec-butylbenzene	16.961	105	389938	22.3455 ug/L		99
109) 1,3-dichlorobenzene	17.124	146	193534	21.9368 ug/L		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137138.D
Acq On : 6 Jun 2024 6:10 pm
Operator : nickw
Sample : jd89657-9msd Inst : GCMS4D
Misc : MS81711,V4D6052,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 07 16:53:12 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

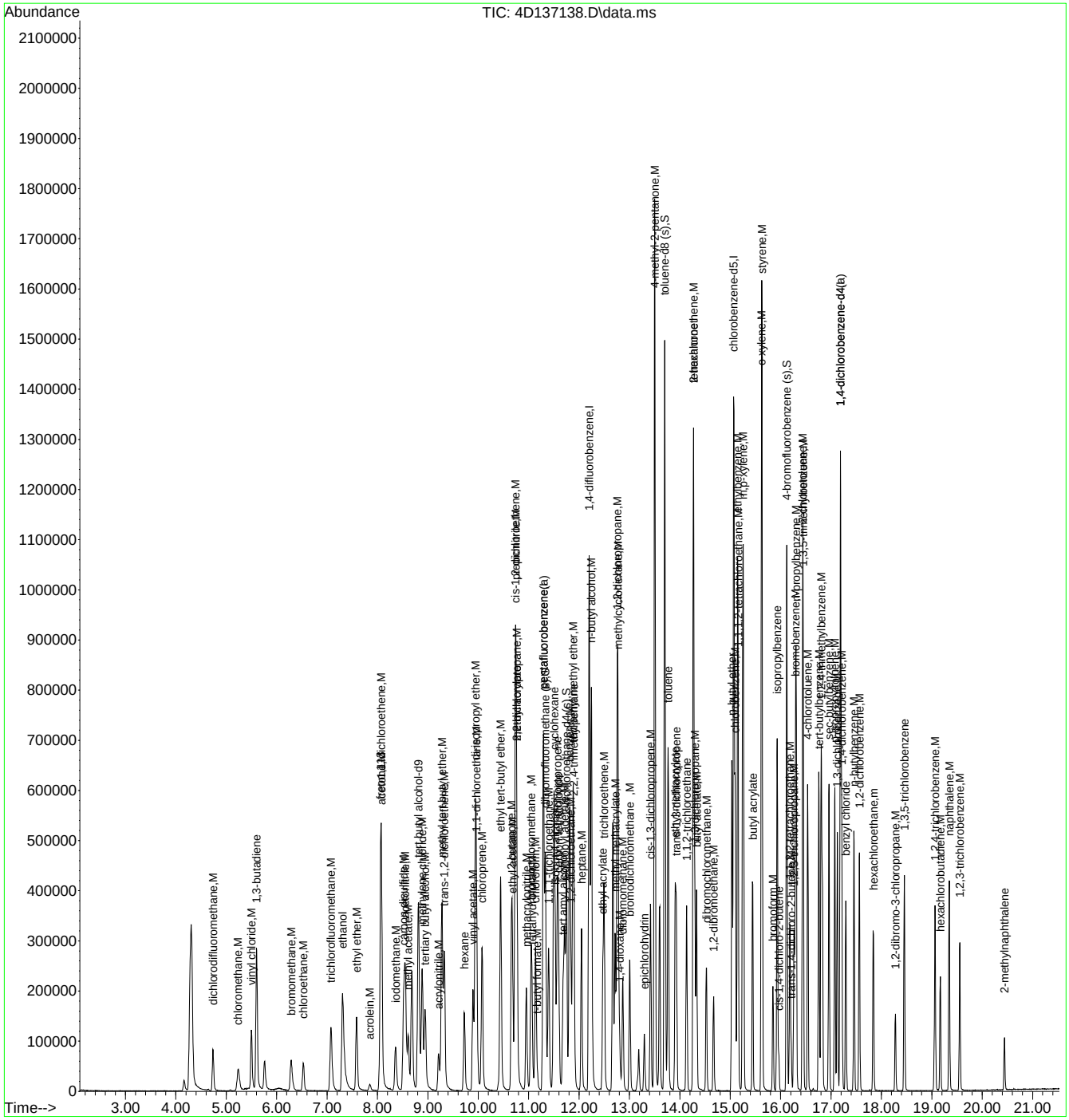
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) p-isopropyltoluene	17.077	119	316426	21.8844	ug/L	100
111) 1,4-dichlorobenzene	17.213	146	191812	22.5814	ug/L	99
113) benzyl chloride	17.292	91	240050	20.7828	ug/L	99
114) 1,2-dichlorobenzene	17.564	146	180793	21.7185	ug/L	99
115) n-butylbenzene	17.454	92	144338	22.6430	ug/L	98
116) 1,2-dibromo-3-chloropr...	18.277	157	38873	20.9147	ug/L	98
117) 1,3,5-trichlorobenzene	18.455	180	124582	24.2067	ug/L	99
118) 1,2,4-trichlorobenzene	19.064	180	104652	23.3574	ug/L	97
119) hexachlorobutadiene	19.169	225	44429	25.4032	ug/L	99
120) naphthalene	19.347	128	293751	19.7517	ug/L	99
121) 1,2,3-trichlorobenzene	19.557	180	88547	22.1742	ug/L	96
122) hexachloroethane	17.842	201	54016	24.7909	ug/L	99
123) 2-methylnaphthalene	20.443	142	46132	7.2919	ug/L	91

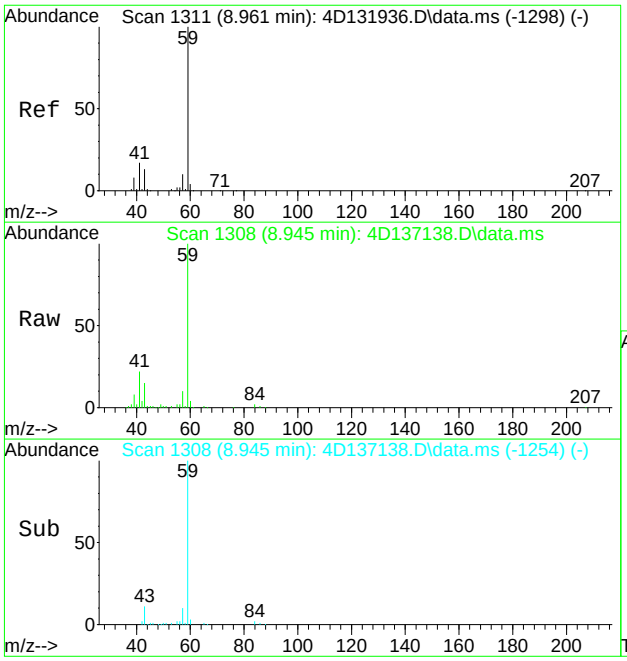
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-07-2024 NS\V4D6052\
Data File : 4D137138.D
Acq On : 6 Jun 2024 6:10 pm
Operator : nickw
Sample : jd89657-9msd Inst : GCMS4D
Misc : MS81711,V4D6052,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 07 16:53:12 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

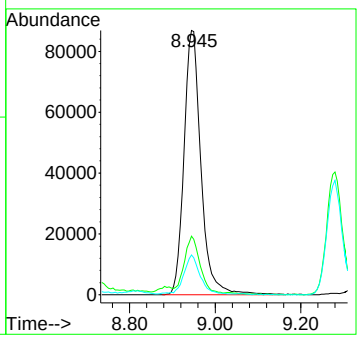


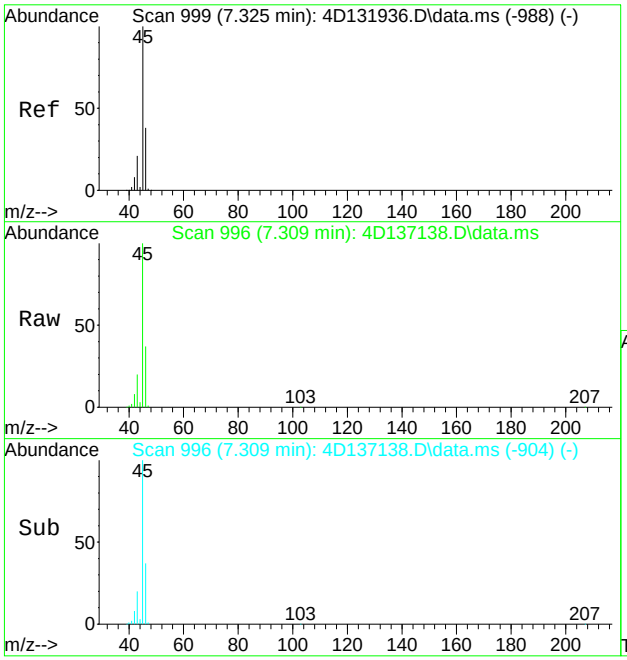


#2
tertiary butyl alcohol
Concen: 129.7412 ug/L
RT: 8.945 min Scan# 1308
Delta R.T. -0.016 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 59 Resp: 239943

Ion	Ratio	Lower	Upper
59	100		
41	22.0	0.0	49.8
43	15.1	0.0	43.7

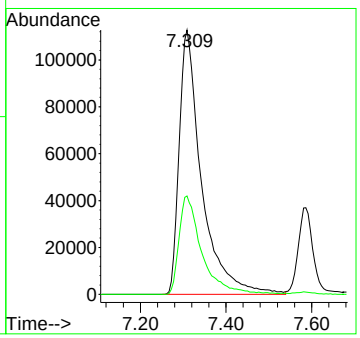


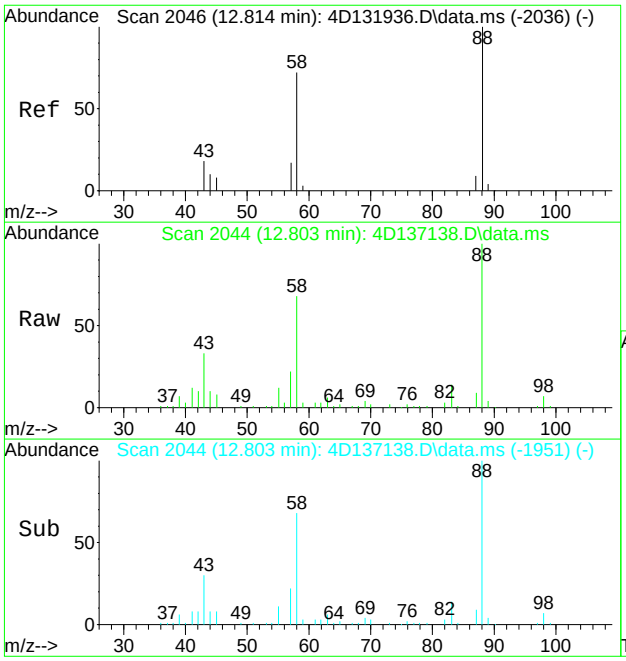


#3
ethanol
Concen: 2330.9093 ug/L
RT: 7.309 min Scan# 996
Delta R.T. -0.016 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 45 Resp: 409438

Ion	Ratio	Lower	Upper
45	100		
46	37.2	8.2	68.2

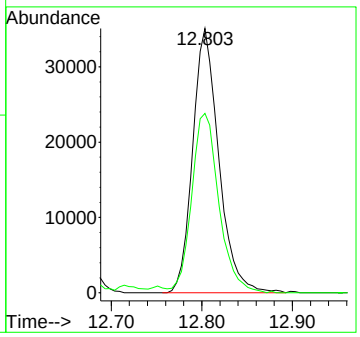


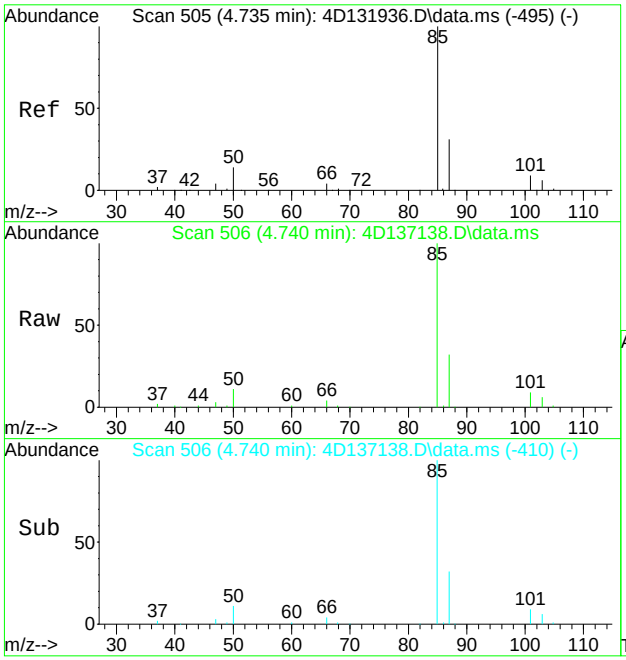


#4
1,4-dioxane
Concen: 602.6879 ug/L
RT: 12.803 min Scan# 2044
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 88 Resp: 70261

Ion	Ratio	Lower	Upper
88	100		
58	67.8	43.1	103.1

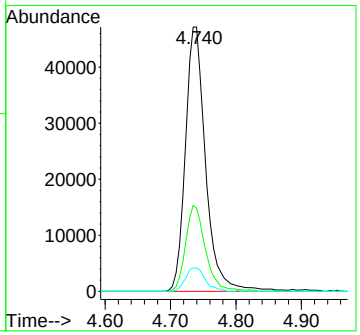


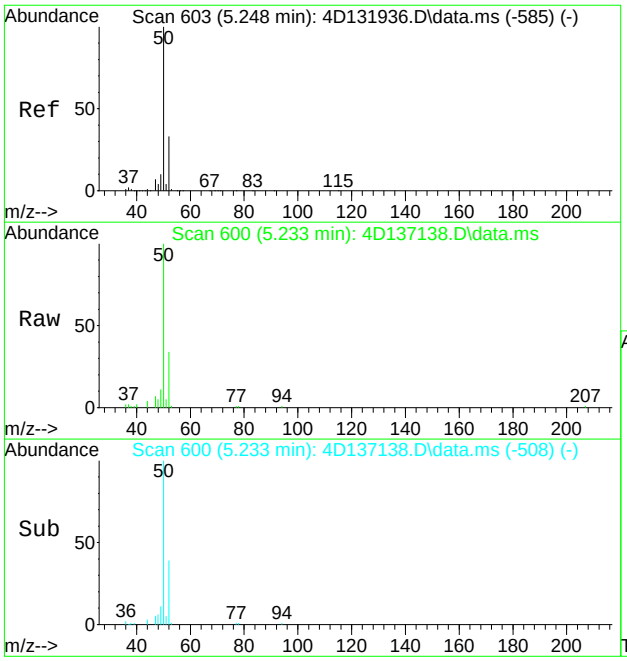


#7
dichlorodifluoromethane
Concen: 12.9795 ug/L
RT: 4.740 min Scan# 506
Delta R.T. 0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 85 Resp: 101413

Ion	Ratio	Lower	Upper
85	100		
87	31.5	1.4	61.4
101	9.0	0.0	39.3

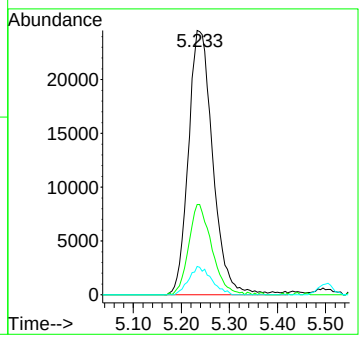


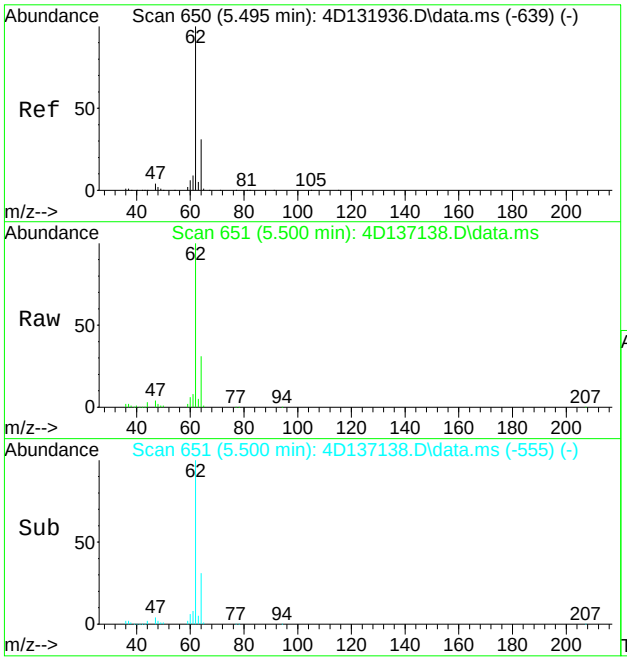


#8
chloromethane
Concen: 10.1813 ug/L
RT: 5.233 min Scan# 600
Delta R.T. -0.015 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 50 Resp: 86783

Ion	Ratio	Lower	Upper
50	100		
52	34.1	2.8	62.8
49	10.7	0.0	40.0

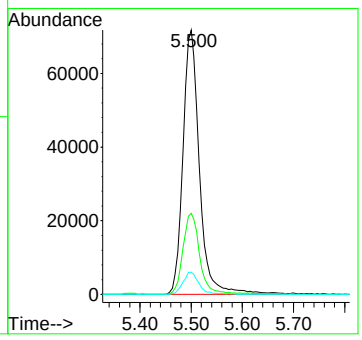


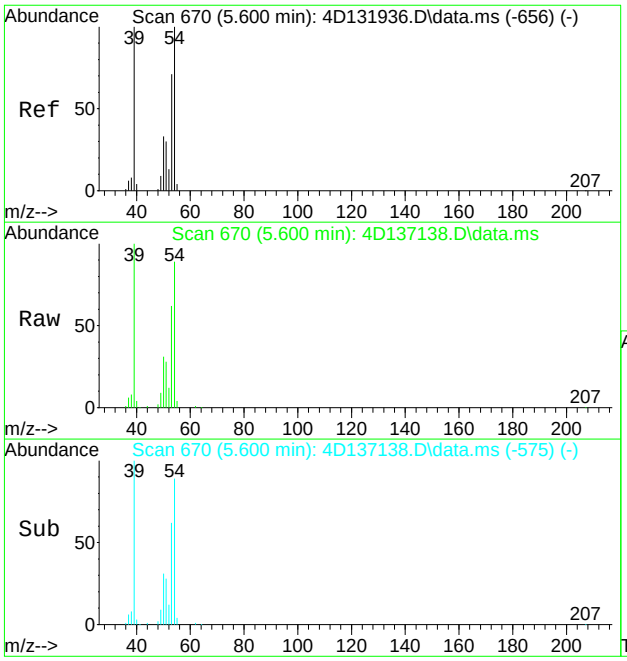


#9
vinyl chloride
Concen: 22.7732 ug/L
RT: 5.500 min Scan# 651
Delta R.T. 0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 62 Resp: 160497

Ion	Ratio	Lower	Upper
62	100		
64	30.6	1.2	61.2
61	8.4	0.0	38.7

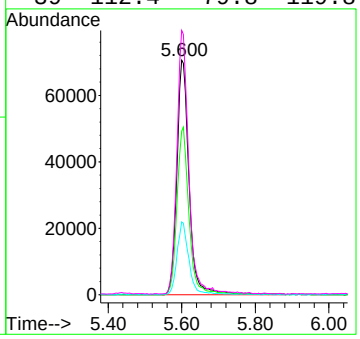


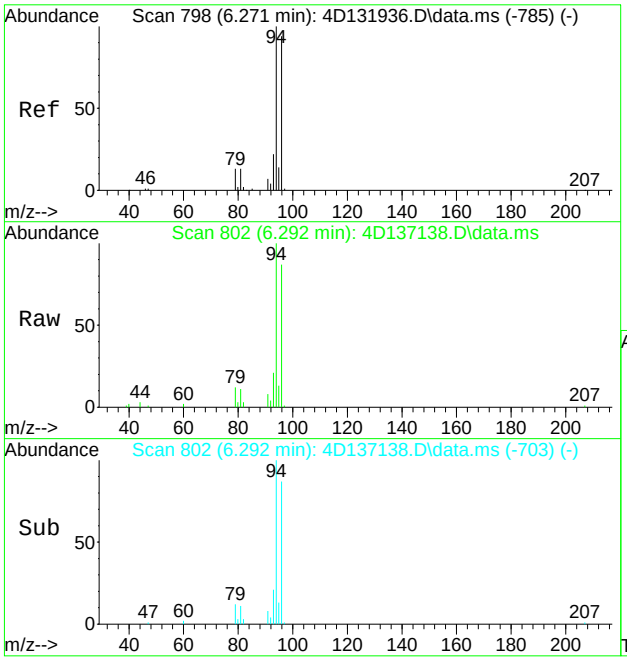


#10
1,3-butadiene
Concen: 29.3550 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 54 Resp: 164407

Ion	Ratio	Lower	Upper
54	100		
53	69.8	41.0	101.0
51	31.0	0.0	59.6
39	112.4	79.8	119.8

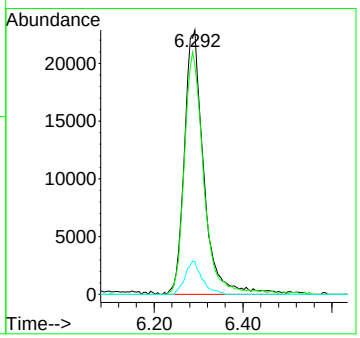


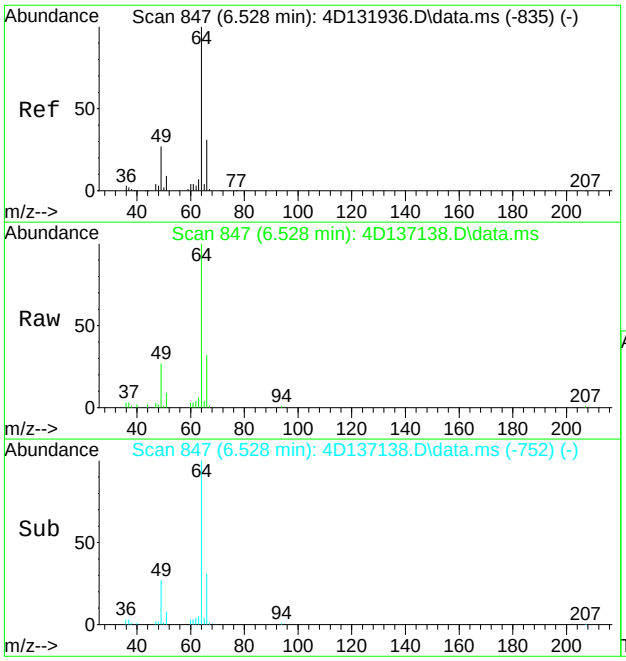


#11
bromomethane
Concen: 18.2681 ug/L
RT: 6.292 min Scan# 802
Delta R.T. 0.021 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 94 Resp: 69468

Ion	Ratio	Lower	Upper
94	100		
96	86.7	63.6	123.6
79	12.5	0.0	43.4

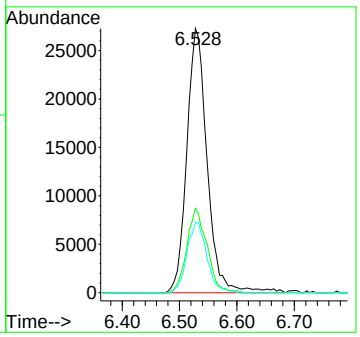


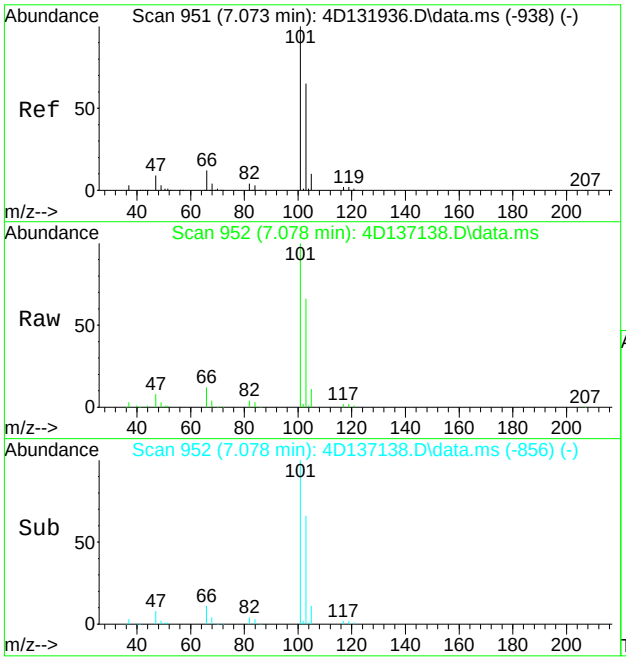


#12
chloroethane
Concen: 16.5731 ug/L
RT: 6.528 min Scan# 847
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 64 Resp: 67291

Ion	Ratio	Lower	Upper
64	100		
66	31.9	1.2	61.2
49	26.6	0.0	57.3

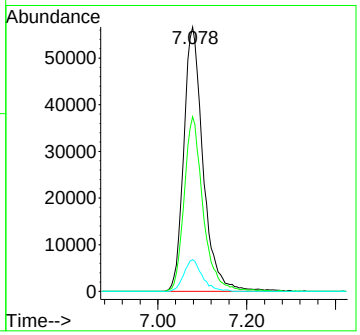


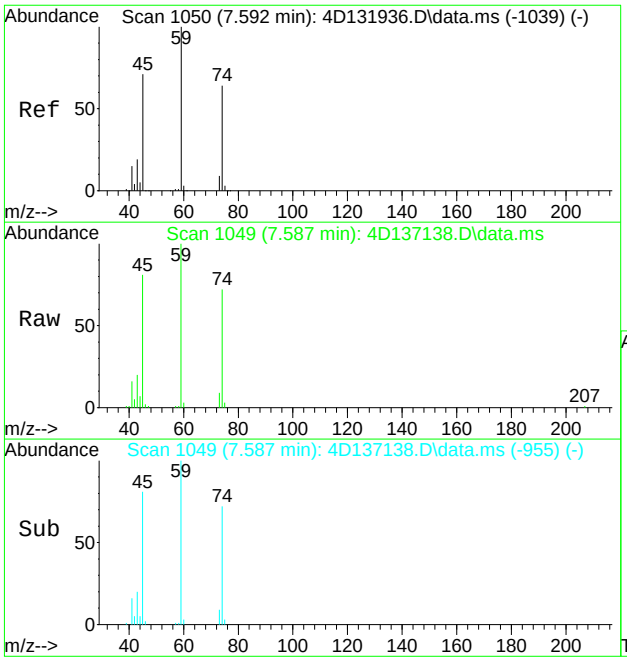


#13
trichlorofluoromethane
Concen: 20.5103 ug/L
RT: 7.078 min Scan# 952
Delta R.T. 0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:101 Resp: 171605

Ion	Ratio	Lower	Upper
101	100		
103	66.0	35.1	95.1
66	12.0	0.0	42.2

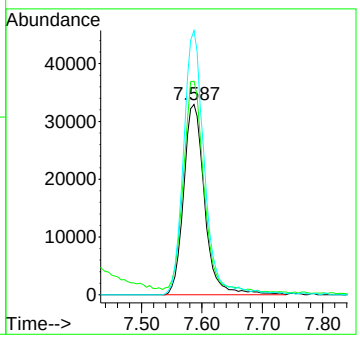


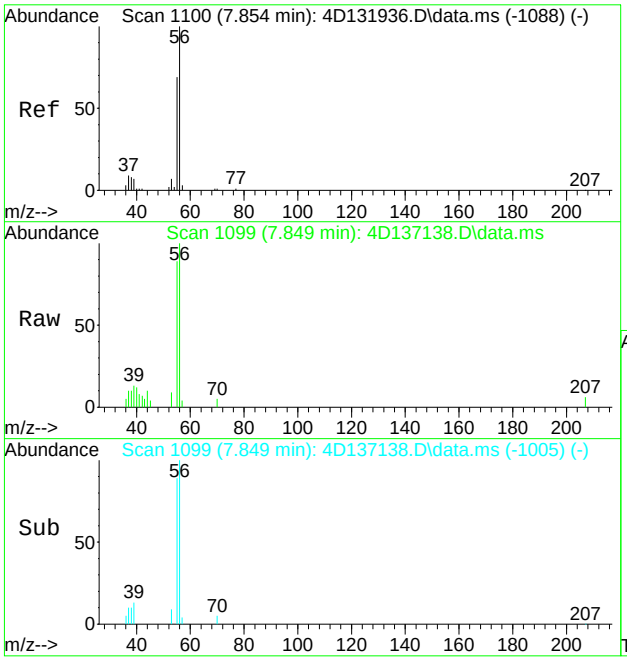


#14
ethyl ether
Concen: 27.5663 ug/L
RT: 7.587 min Scan# 1049
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 74 Resp: 79649

Ion	Ratio	Lower	Upper
74	100		
45	110.7	89.0	149.0
59	138.8	125.8	185.8

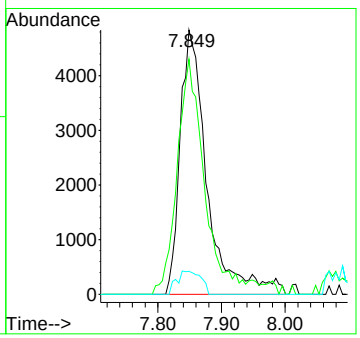


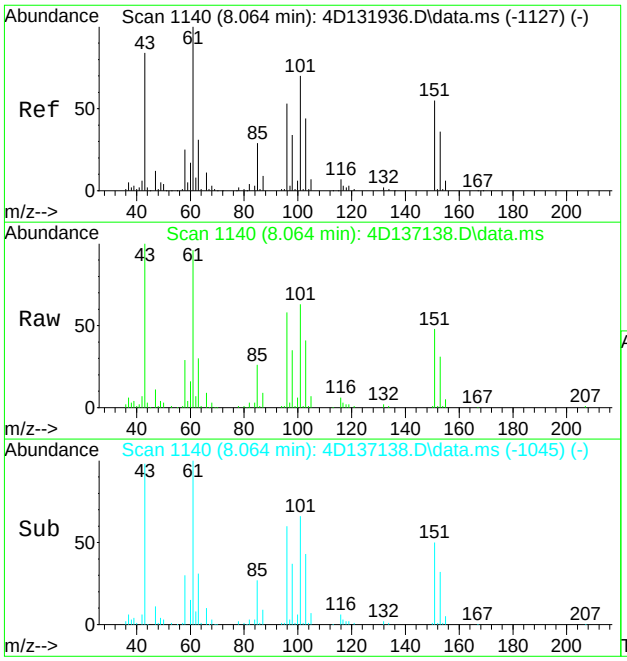


#15
acrolein
Concen: 8.2921 ug/L
RT: 7.849 min Scan# 1099
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 56 Resp: 14221

Ion	Ratio	Lower	Upper
56	100		
55	88.9	38.7	98.7
53	8.7	0.0	37.5

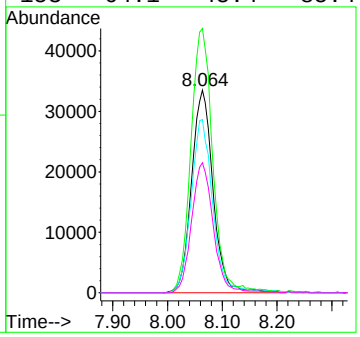


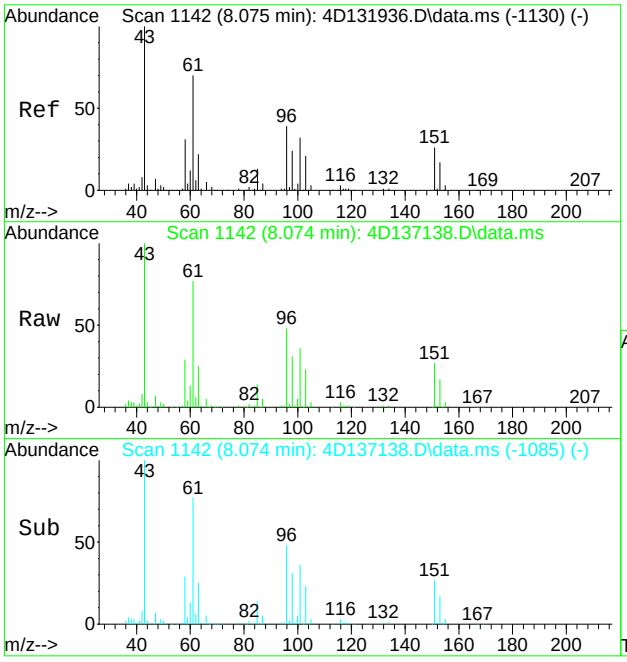


#16
freon 113
Concen: 24.4535 ug/L
RT: 8.064 min Scan# 1140
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:151 Resp: 92089

Ion	Ratio	Lower	Upper
151	100		
101	130.4	107.6	147.6
103	85.4	61.2	101.2
153	64.1	45.4	85.4

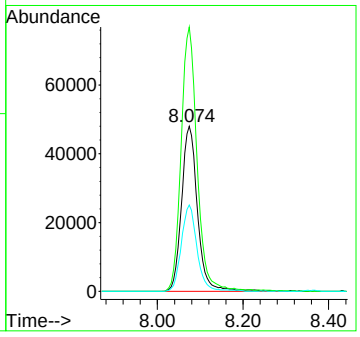


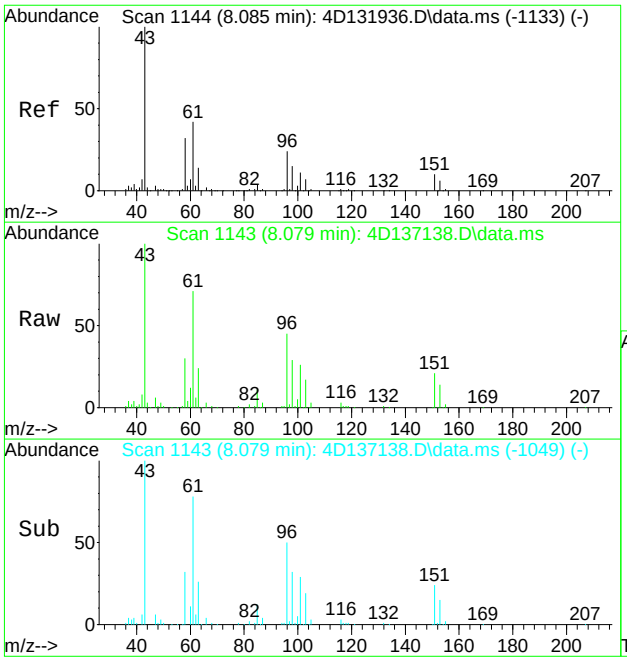


#17
1,1-dichloroethene
Concen: 29.1060 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.001 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 96 Resp: 124835

Ion	Ratio	Lower	Upper
96	100		
61	160.0	149.0	209.0
63	52.3	26.1	86.1

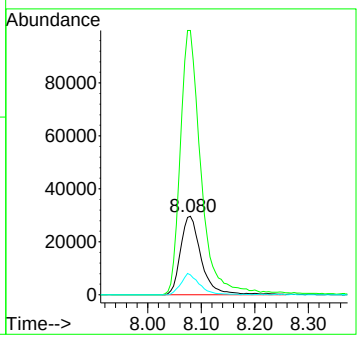


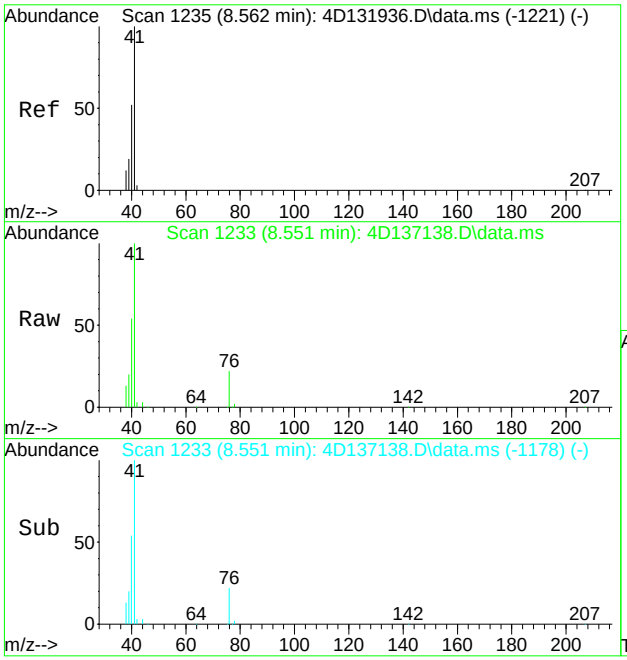


#18
acetone
Concen: 63.4232 ug/L
RT: 8.079 min Scan# 1143
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 58 Resp: 80491

Ion	Ratio	Lower	Upper
58	100		
43	336.6	285.1	345.1
42	25.6	0.0	53.5

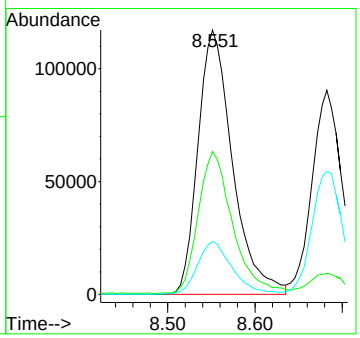


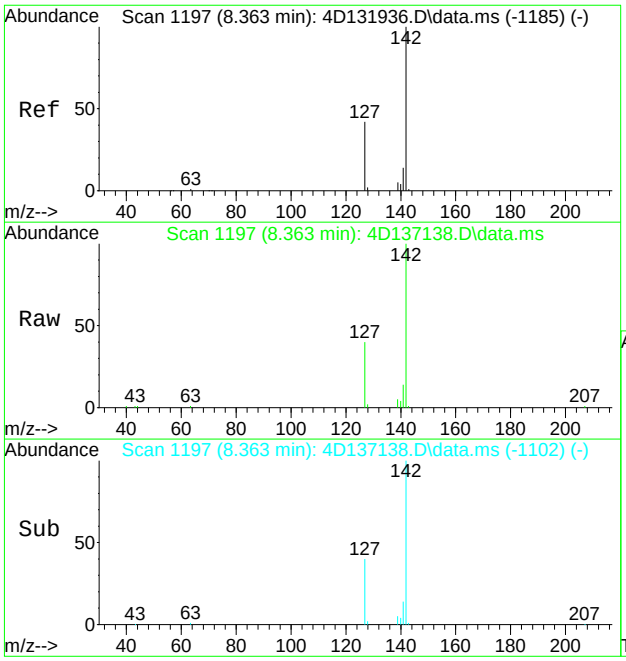


#19
acetonitrile
Concen: 256.6480 ug/L
RT: 8.551 min Scan# 1233
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 41 Resp: 322988

Ion	Ratio	Lower	Upper
41	100		
40	53.6	22.4	82.4
39	19.9	0.0	49.2

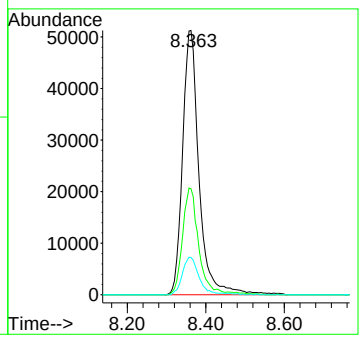


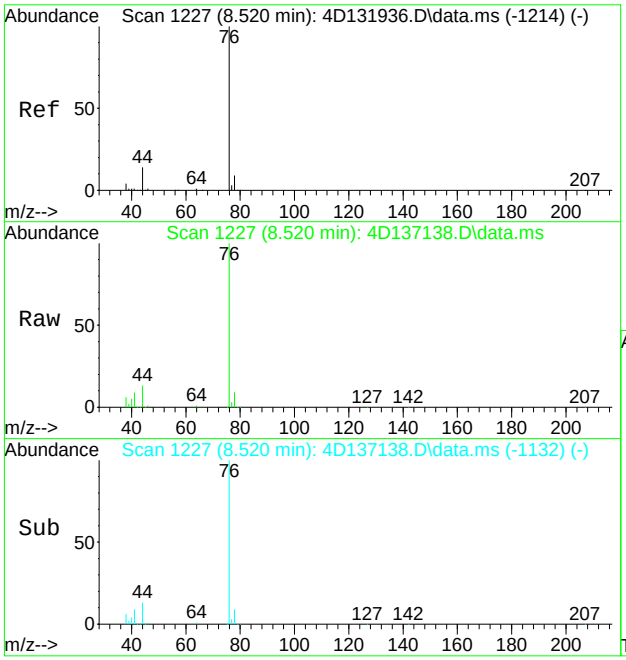


#20
iodomethane
Concen: 24.0595 ug/L
RT: 8.363 min Scan# 1197
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:142 Resp: 149220

Ion	Ratio	Lower	Upper
142	100		
127	40.1	11.7	71.7
141	14.2	0.0	44.4

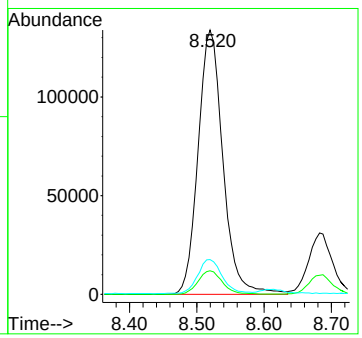


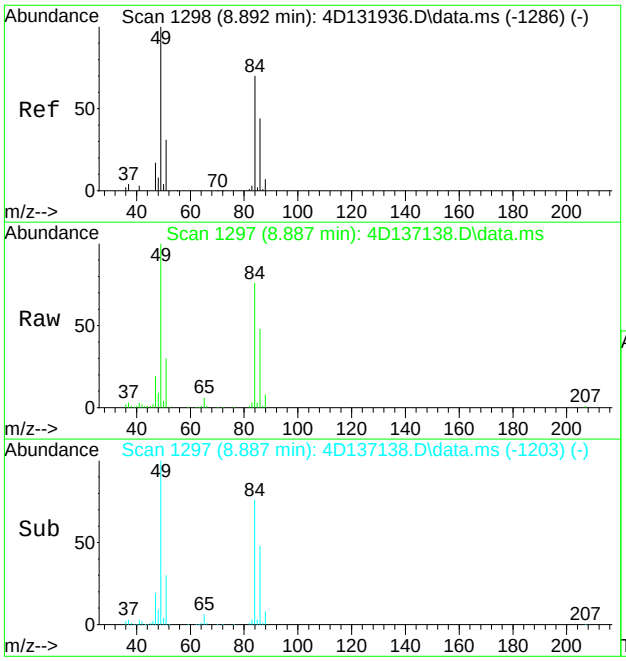


#21
carbon disulfide
Concen: 25.7806 ug/L
RT: 8.520 min Scan# 1227
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 76 Resp: 343658

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	39.2
44	12.8	0.0	44.4

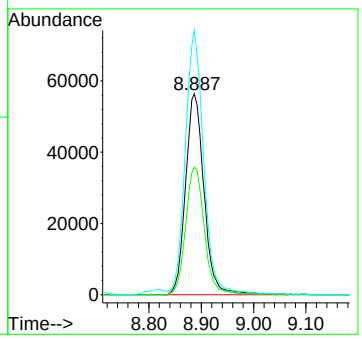


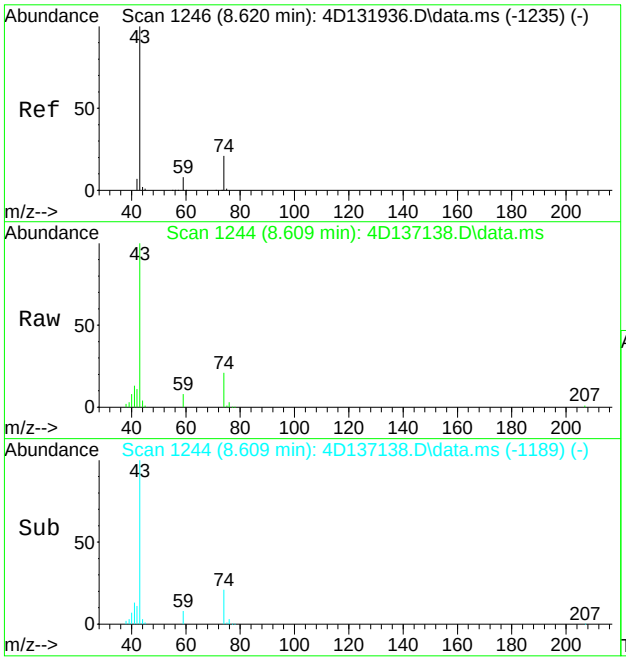


#22
methylene chloride
Concen: 24.4276 ug/L
RT: 8.887 min Scan# 1297
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 84 Resp: 139126

Ion	Ratio	Lower	Upper
84	100		
86	63.5	33.7	93.7
49	131.3	114.9	174.9

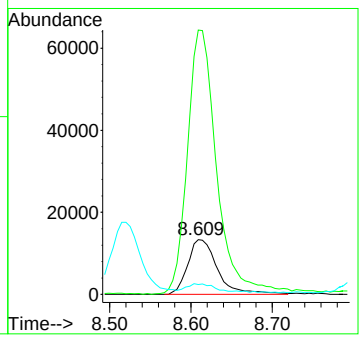


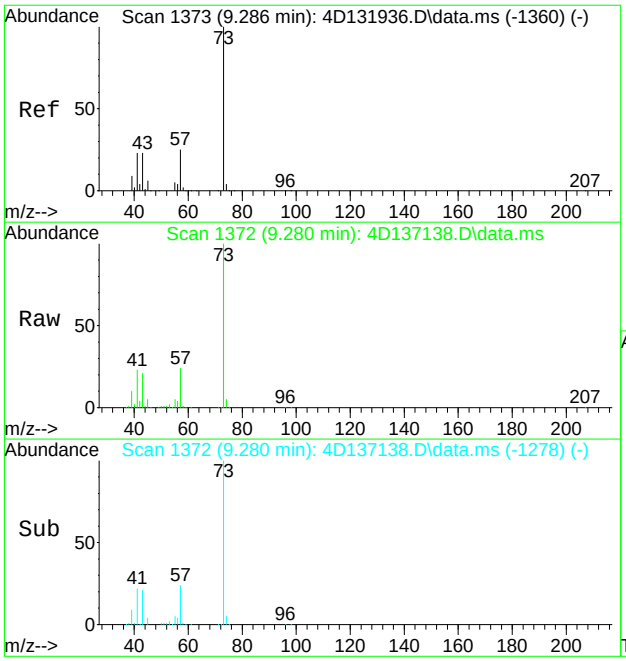


#23
methyl acetate
Concen: 25.6119 ug/L
RT: 8.609 min Scan# 1244
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 74 Resp: 34138

Ion	Ratio	Lower	Upper
74	100		
43	479.2	453.1	513.1
44	14.8	0.0	45.1

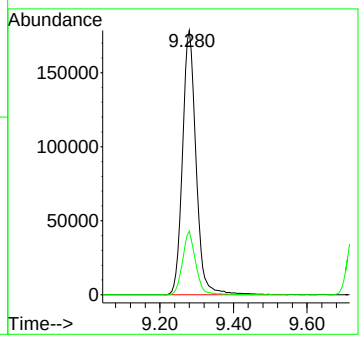


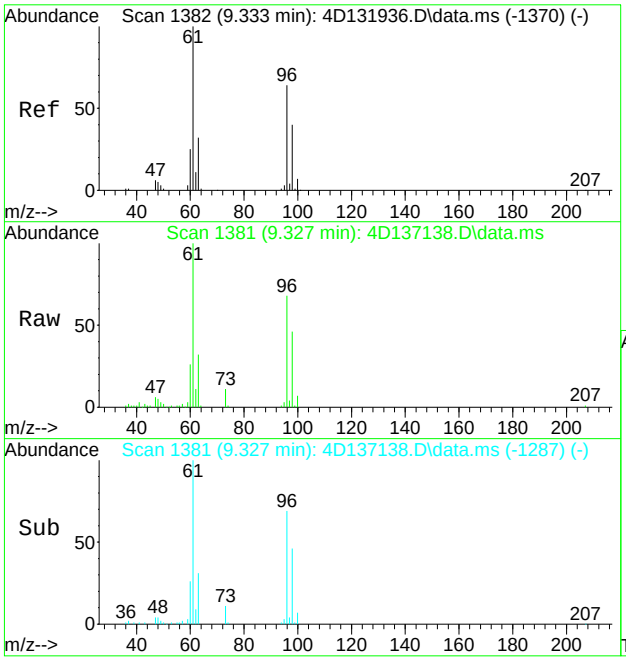


#24
methyl tert butyl ether
Concen: 28.6696 ug/L
RT: 9.280 min Scan# 1372
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 73 Resp: 457861

Ion	Ratio	Lower	Upper
73	100		
57	24.0	0.0	224.6

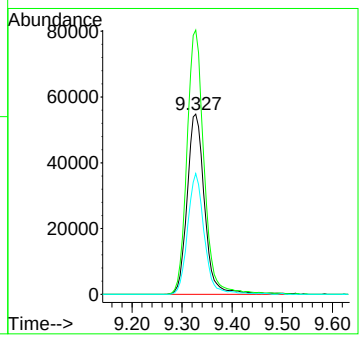


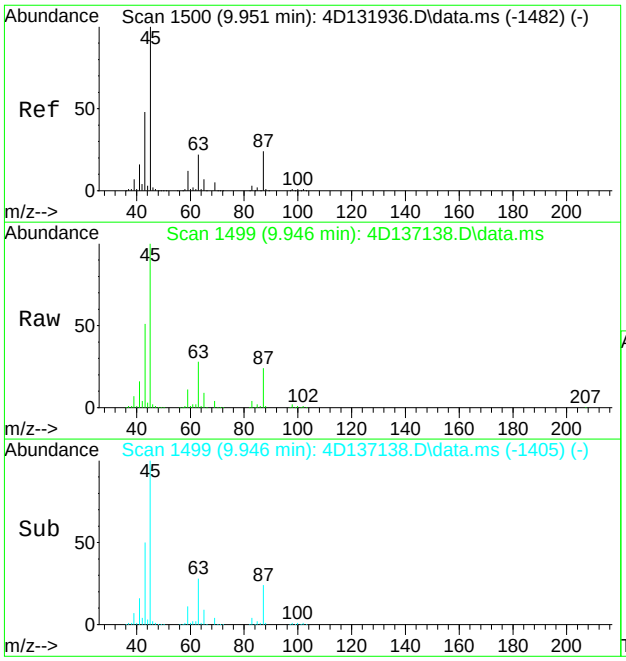


#25
trans-1,2-dichloroethene
Concen: 27.5186 ug/L
RT: 9.327 min Scan# 1381
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 96 Resp: 133095

Ion	Ratio	Lower	Upper
96	100		
61	146.7	126.5	186.5
98	67.0	33.3	93.3

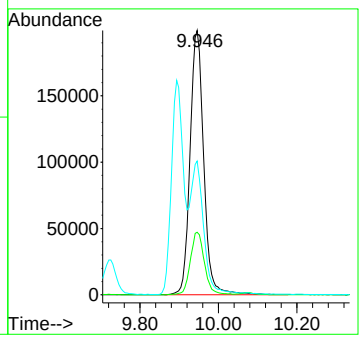


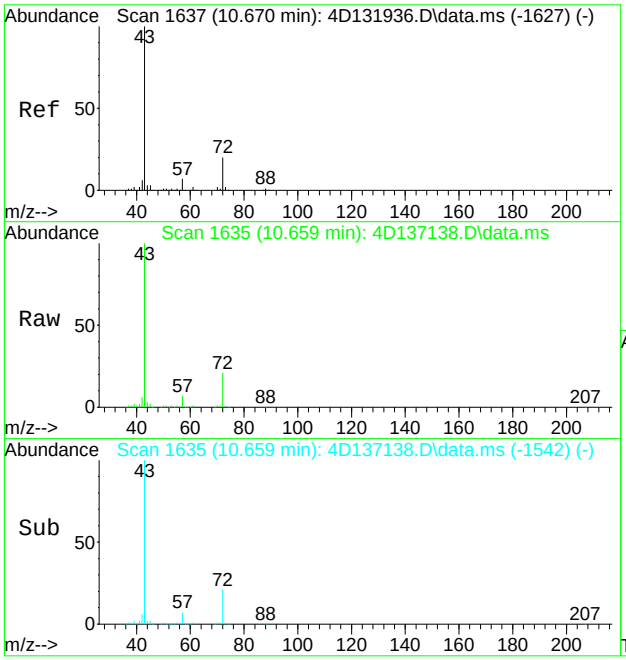


#26
di-isopropyl ether
Concen: 25.4245 ug/L
RT: 9.946 min Scan# 1499
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 45 Resp: 483659

Ion	Ratio	Lower	Upper
45	100		
87	23.6	0.0	54.4
43	50.3	18.8	78.8

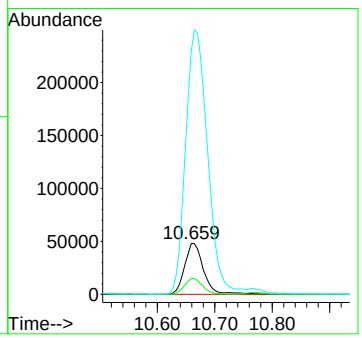


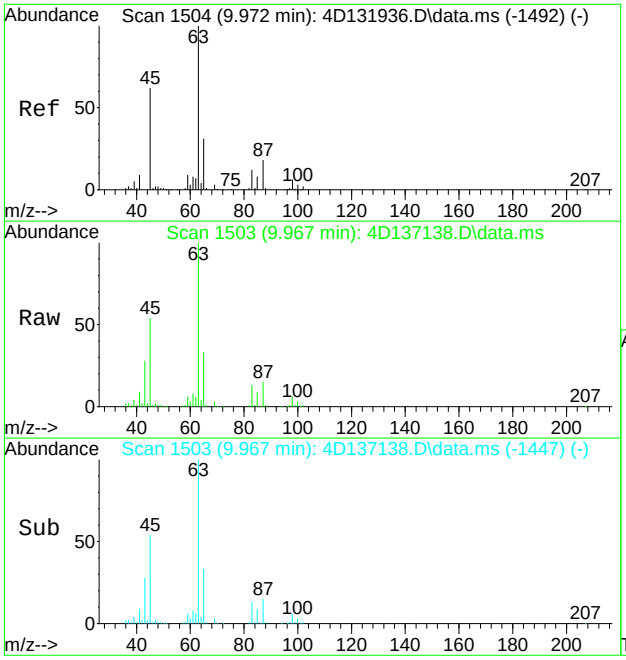


#27
2-butanone
Concen: 96.1330 ug/L
RT: 10.659 min Scan# 1635
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 72 Resp: 110938

Ion	Ratio	Lower	Upper
72	100		
57	31.8	3.7	63.7
43	479.2	475.8	535.8

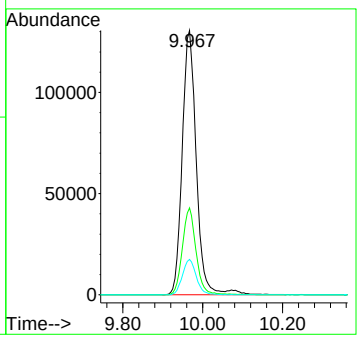


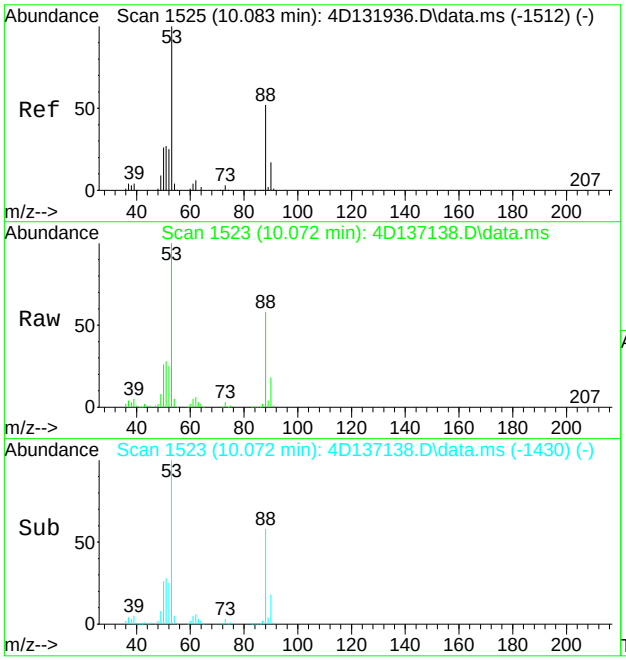


#28
1,1-dichloroethane
Concen: 32.7043 ug/L
RT: 9.967 min Scan# 1503
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 63 Resp: 319867

Ion	Ratio	Lower	Upper
63	100		
65	32.9	0.9	60.9
83	13.3	0.0	42.3

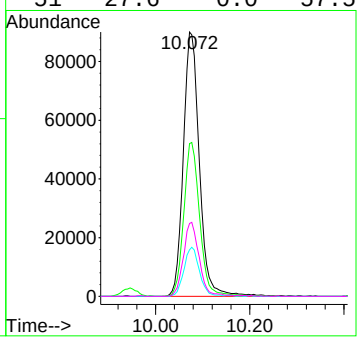


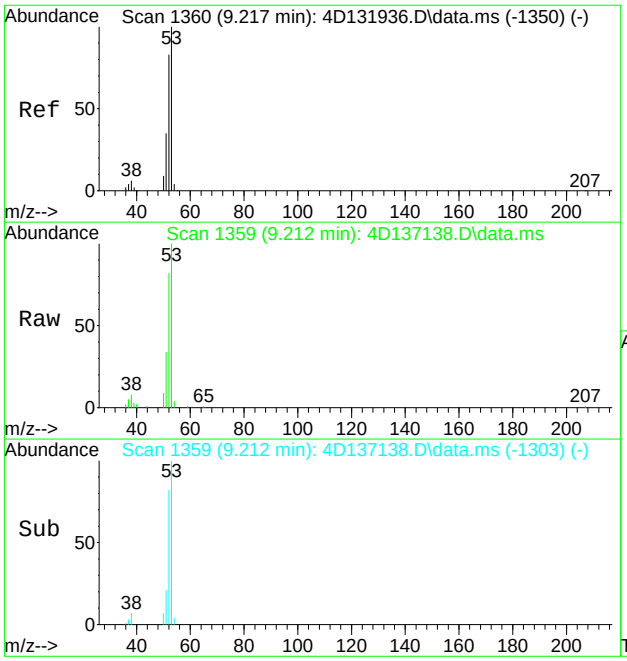


#29
chloroprene
Concen: 24.0801 ug/L
RT: 10.072 min Scan# 1523
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 53 Resp: 213421

Ion	Ratio	Lower	Upper
53	100		
88	57.8	21.8	81.8
90	17.7	0.0	47.2
51	27.6	0.0	57.5

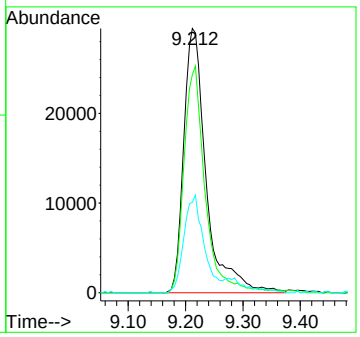


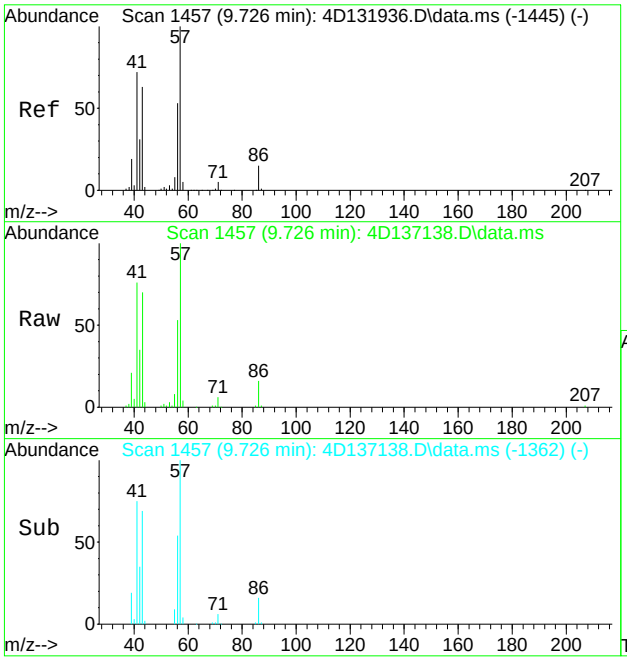


#30
acrylonitrile
Concen: 24.3118 ug/L
RT: 9.212 min Scan# 1359
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 53 Resp: 80718

Ion	Ratio	Lower	Upper
53	100		
52	82.5	53.4	113.4
51	34.3	5.0	65.0

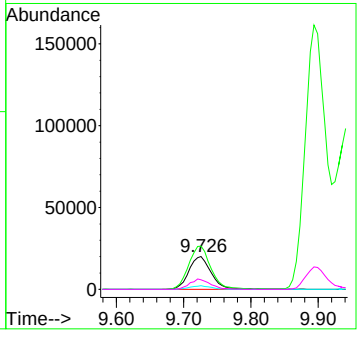


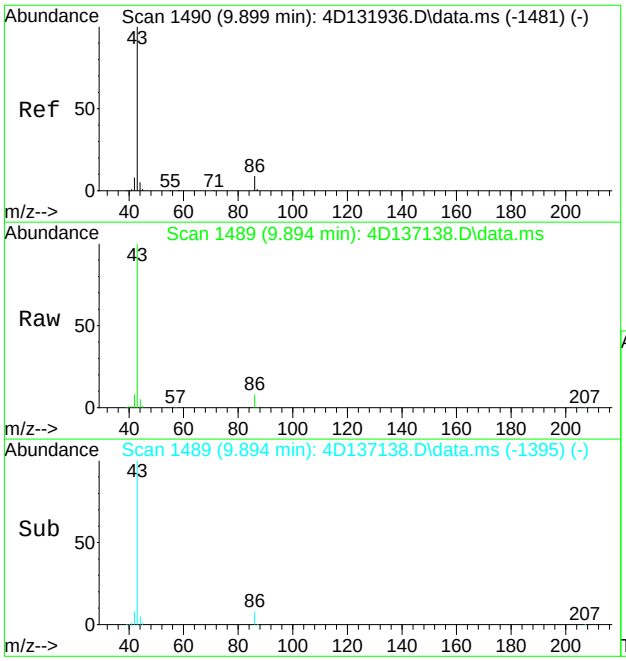


#31
hexane
Concen: 10.2007 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 56 Resp: 46460

Ion	Ratio	Lower	Upper
56	100		
43	131.1	98.5	138.5
71	10.9	0.0	30.3
86	29.3	7.7	47.7

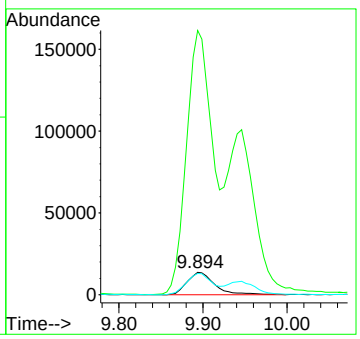


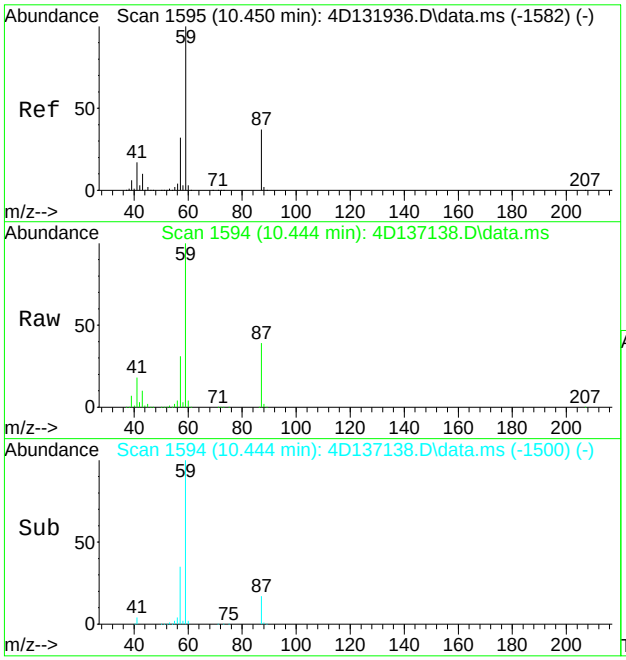


#32
vinyl acetate
Concen: 28.4372 ug/L
RT: 9.894 min Scan# 1489
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 86 Resp: 31634

Ion	Ratio	Lower	Upper
86	100		
43	1177.7	1142.7	1202.7
42	95.0	69.4	129.4

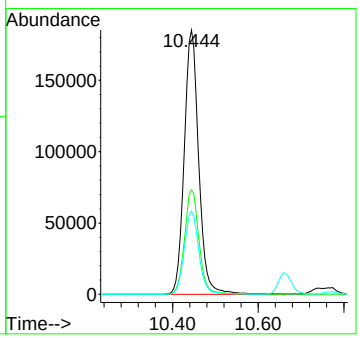


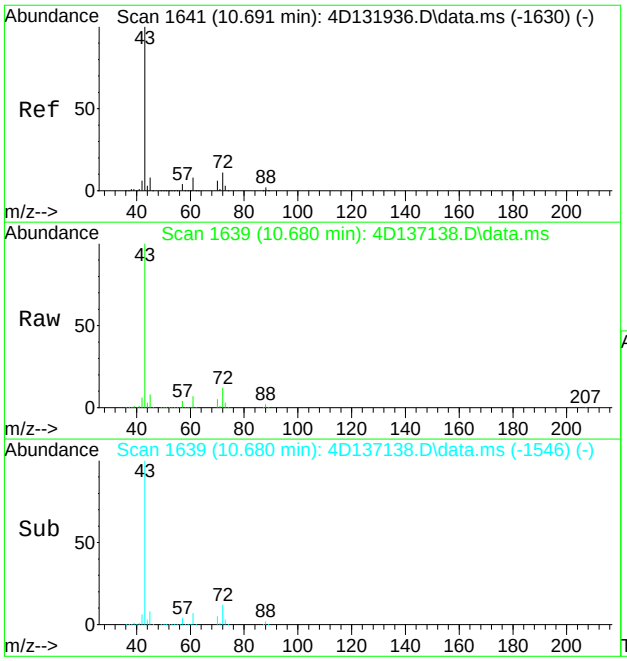


#33
ethyl tert-butyl ether
Concen: 23.0201 ug/L
RT: 10.444 min Scan# 1594
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 59 Resp: 435921

Ion	Ratio	Lower	Upper
59	100		
87	39.4	6.6	66.6
57	31.4	2.2	62.2

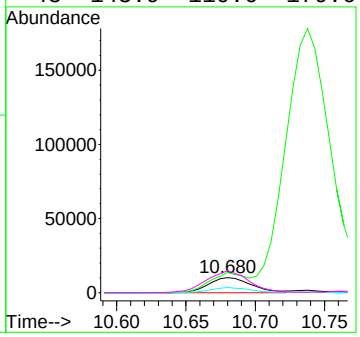


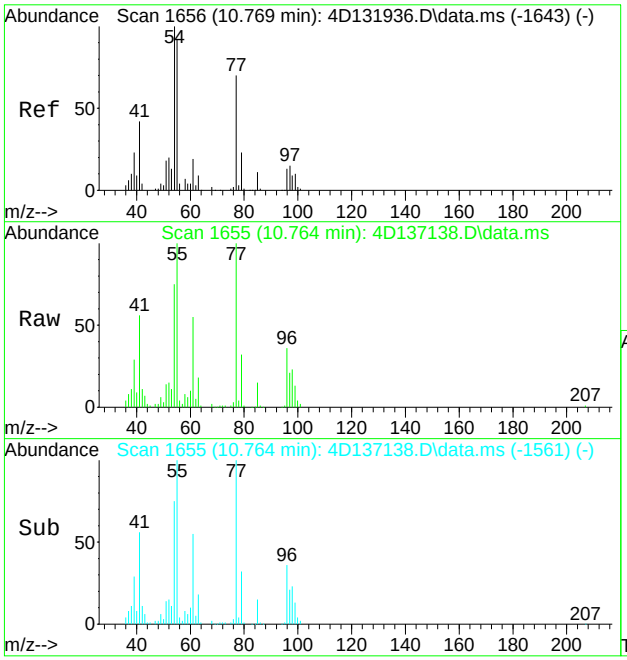


#34
ethyl acetate
Concen: 20.2611 ug/L
RT: 10.680 min Scan# 1639
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 70 Resp: 22236

Ion	Ratio	Lower	Upper
70	100		
61	135.6	108.4	168.4
88	35.6	5.9	65.9
45	143.9	110.6	170.6

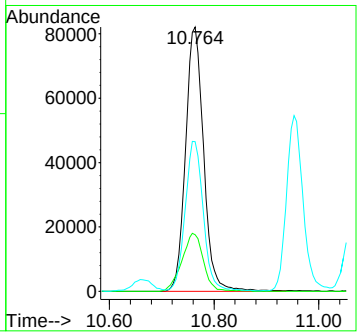


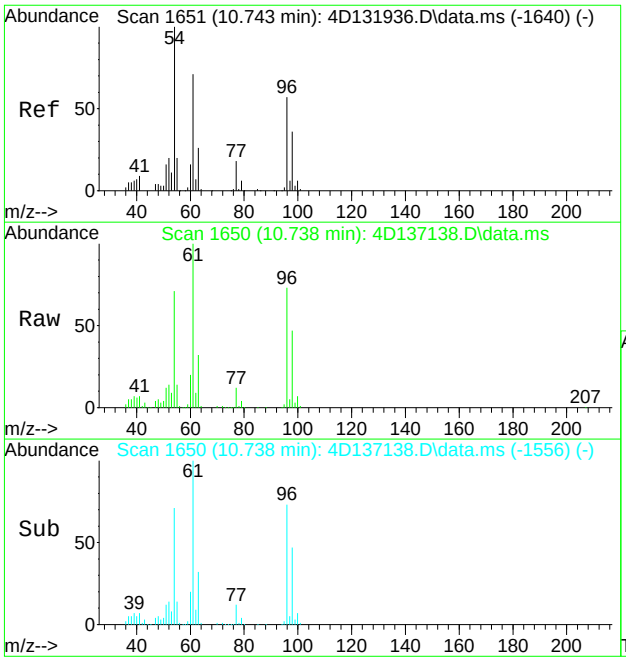


#35
2,2-dichloropropane
Concen: 25.7885 ug/L
RT: 10.764 min Scan# 1655
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 77 Resp: 197646

Ion	Ratio	Lower	Upper
77	100		
97	21.5	0.0	51.9
41	55.9	29.6	89.6

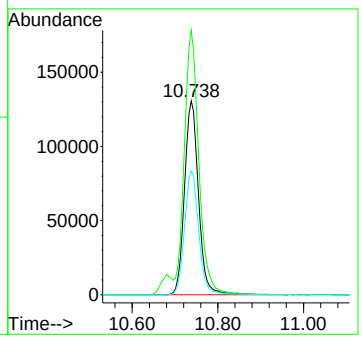


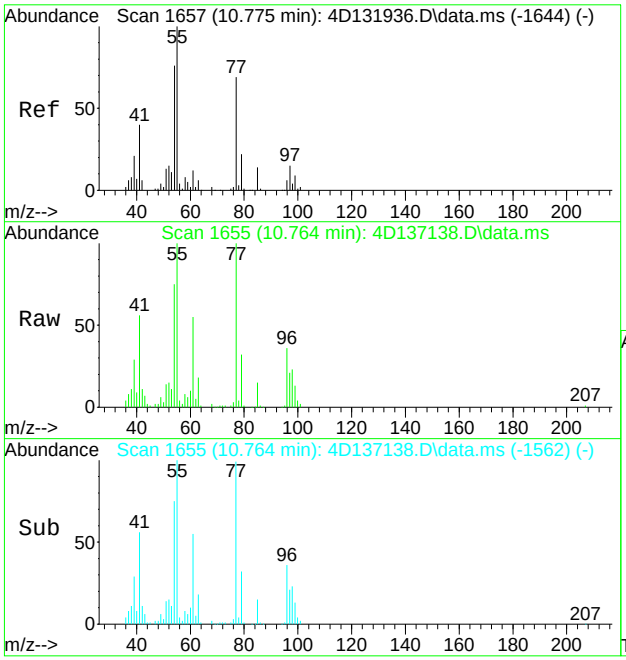


#36
cis-1,2-dichloroethene
Concen: 52.7661 ug/L
RT: 10.738 min Scan# 1650
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 96 Resp: 297741

Ion	Ratio	Lower	Upper
96	100		
61	136.2	119.6	179.6
98	63.9	34.3	94.3

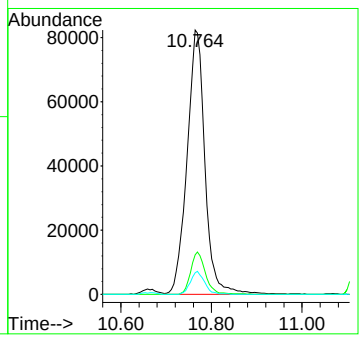


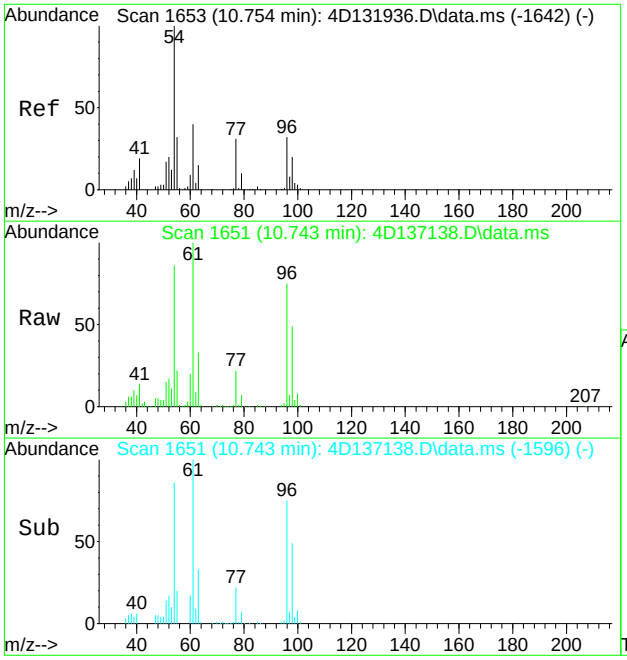


#37
methyl acrylate
Concen: 22.4440 ug/L
RT: 10.764 min Scan# 1655
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 55 Resp: 226743

Ion	Ratio	Lower	Upper
55	100		
85	15.0	0.0	43.7
58	8.1	0.0	38.0

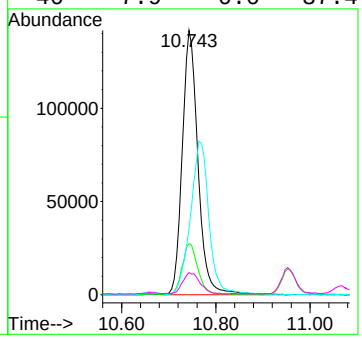


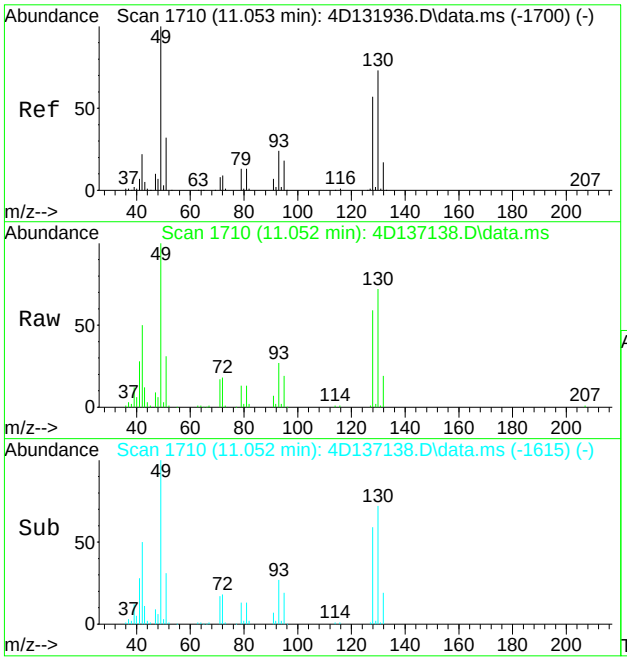


#38
propionitrile
Concen: 223.3708 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 54 Resp: 329299

Ion	Ratio	Lower	Upper
54	100		
52	19.3	0.0	49.8
55	24.9	2.6	62.6
40	7.9	0.0	37.4

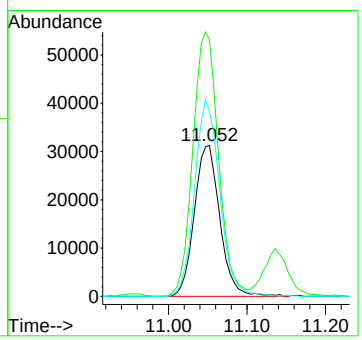


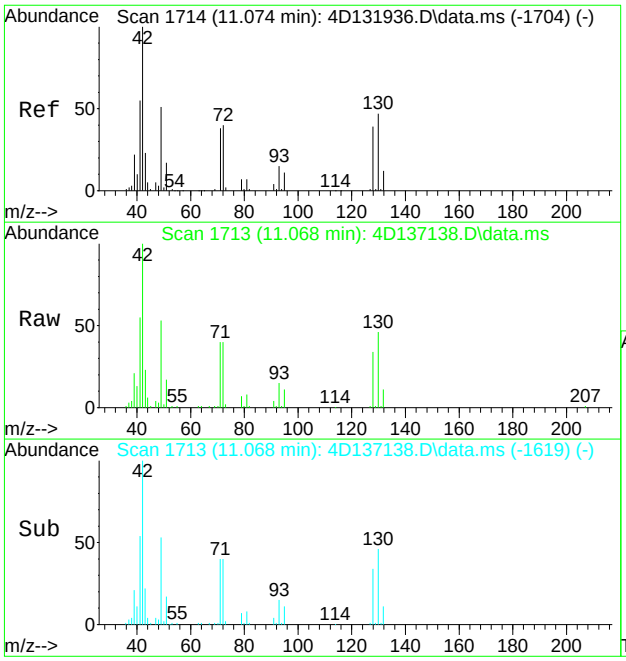


#39
bromochloromethane
Concen: 25.0762 ug/L
RT: 11.052 min Scan# 1710
Delta R.T. -0.001 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:128 Resp: 70727

Ion	Ratio	Lower	Upper
128	100		
49	170.4	145.9	205.9
130	122.4	97.8	157.8

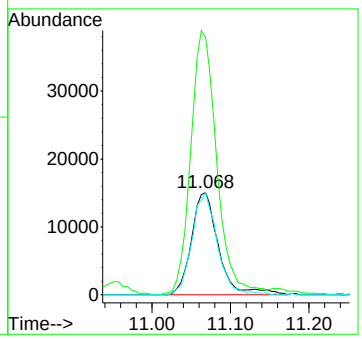


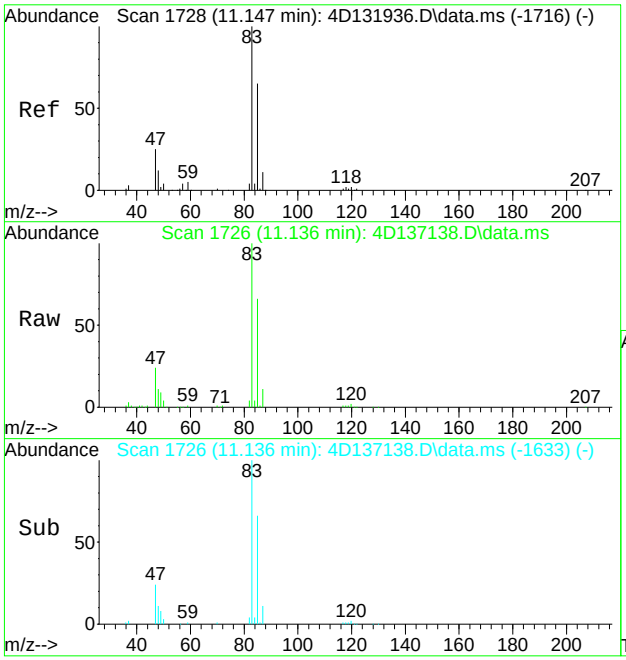


#40
tetrahydrofuran
Concen: 30.2667 ug/L
RT: 11.068 min Scan# 1713
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 72 Resp: 36098

Ion	Ratio	Lower	Upper
72	100		
42	249.3	219.9	279.9
71	99.5	66.1	126.1

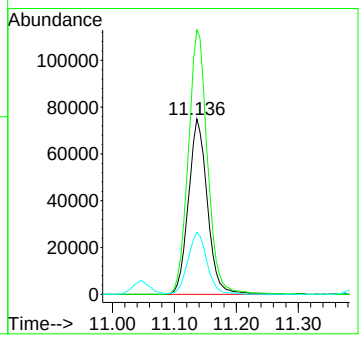


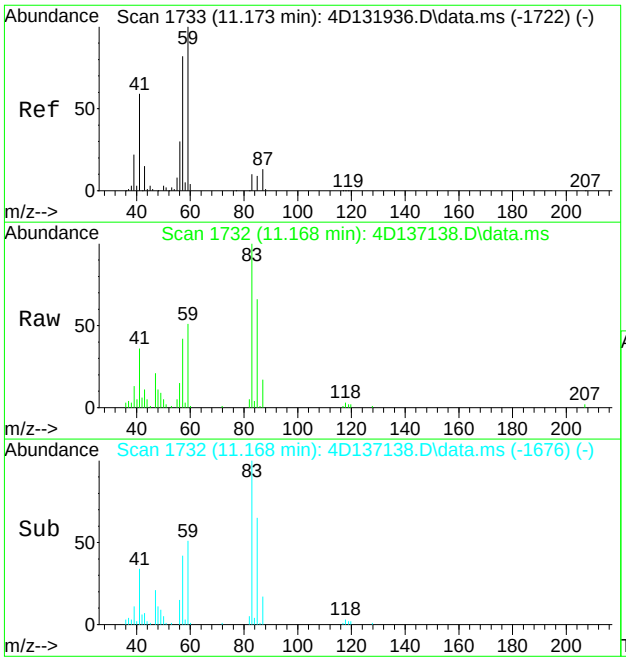


#41
chloroform
Concen: 28.1189 ug/L
RT: 11.136 min Scan# 1726
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 85 Resp: 159774

Ion	Ratio	Lower	Upper
85	100		
83	150.8	123.5	183.5
47	35.6	9.8	69.8

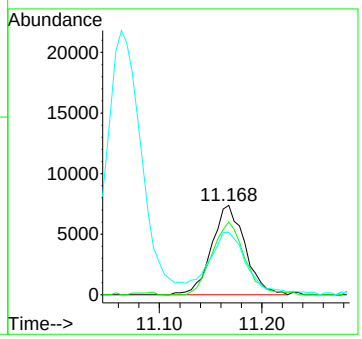


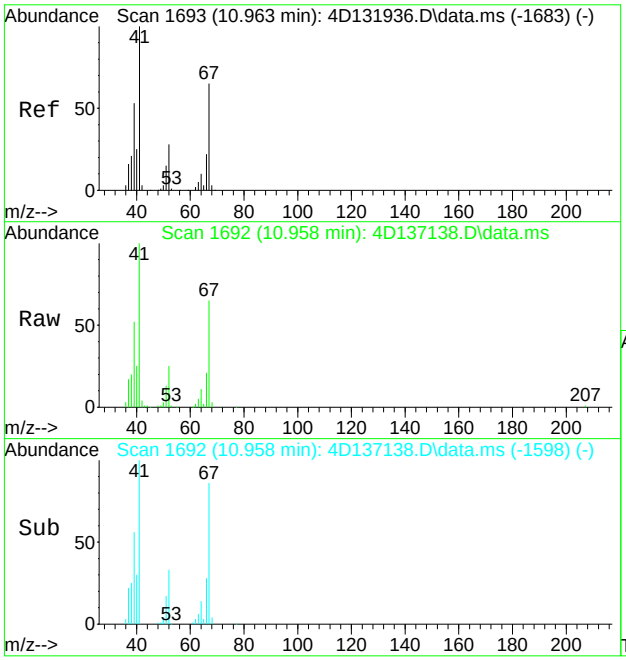


#42
t-butyl formate
Concen: 6.7579 ug/L
RT: 11.168 min Scan# 1732
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 59 Resp: 16680

Ion	Ratio	Lower	Upper
59	100		
57	81.2	51.8	111.8
41	66.8	32.4	92.4

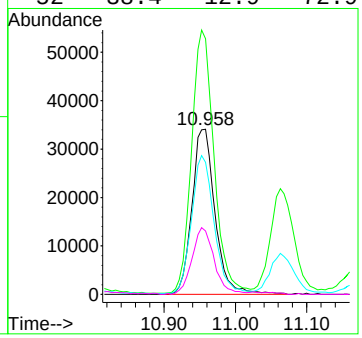


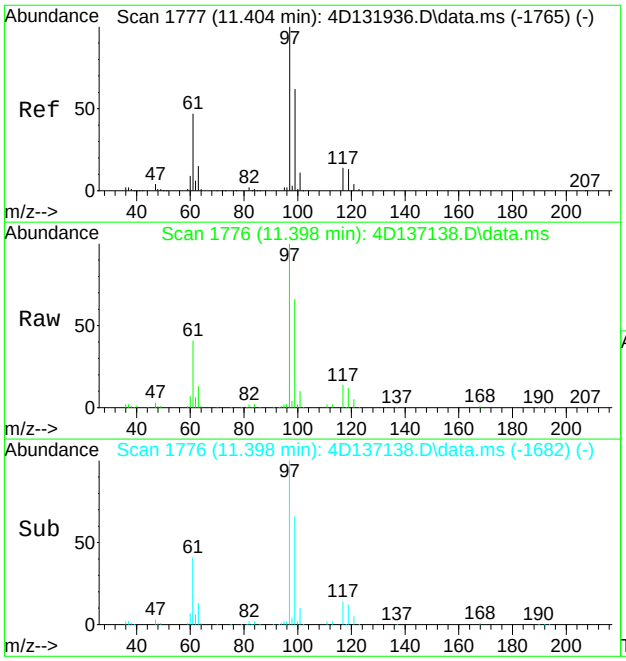


#44
methacrylonitrile
Concen: 24.1905 ug/L
RT: 10.958 min Scan# 1692
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 67 Resp: 76911

Ion	Ratio	Lower	Upper
67	100		
41	154.1	123.0	183.0
39	79.4	50.9	110.9
52	38.4	12.9	72.9

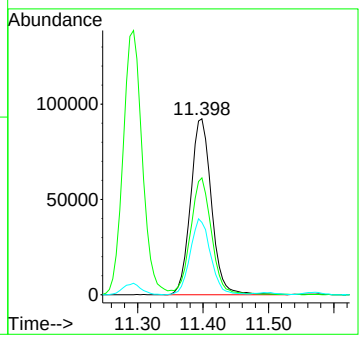


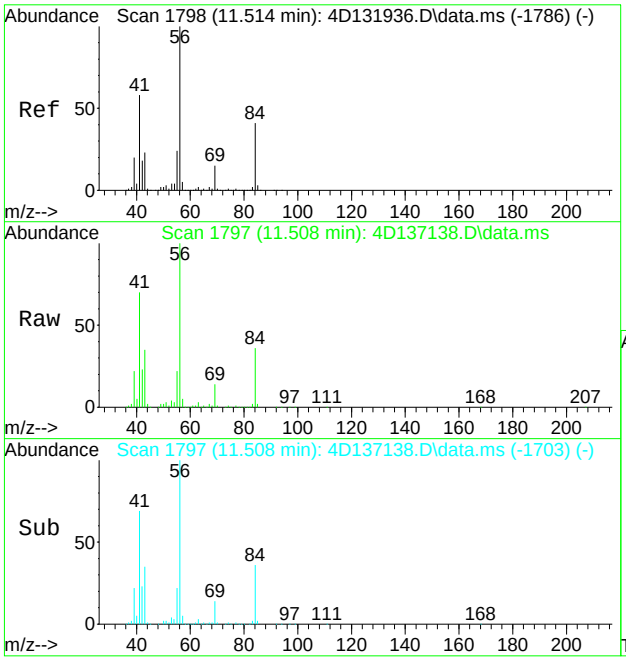


#45
1,1,1-trichloroethane
Concen: 26.3968 ug/L
RT: 11.398 min Scan# 1776
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 97 Resp: 205083

Ion	Ratio	Lower	Upper
97	100		
99	66.1	34.4	94.4
61	41.1	16.6	76.6

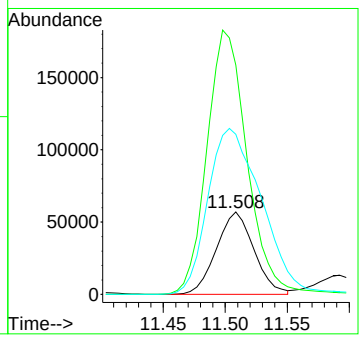


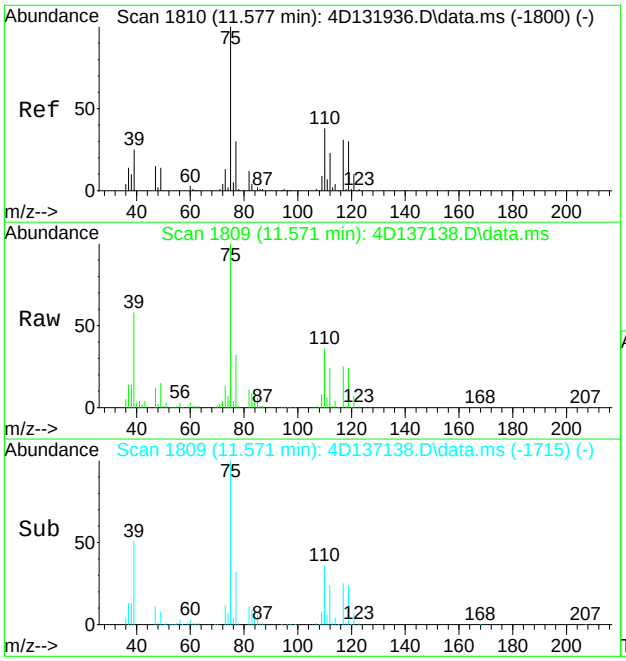


#46
cyclohexane
Concen: 17.1646 ug/L
RT: 11.508 min Scan# 1797
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 84 Resp: 120161

Ion	Ratio	Lower	Upper
84	100		
56	277.1	225.3	265.3#
41	193.6	121.5	161.5#

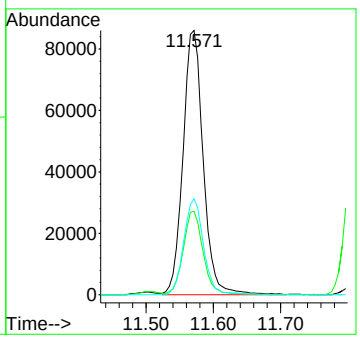


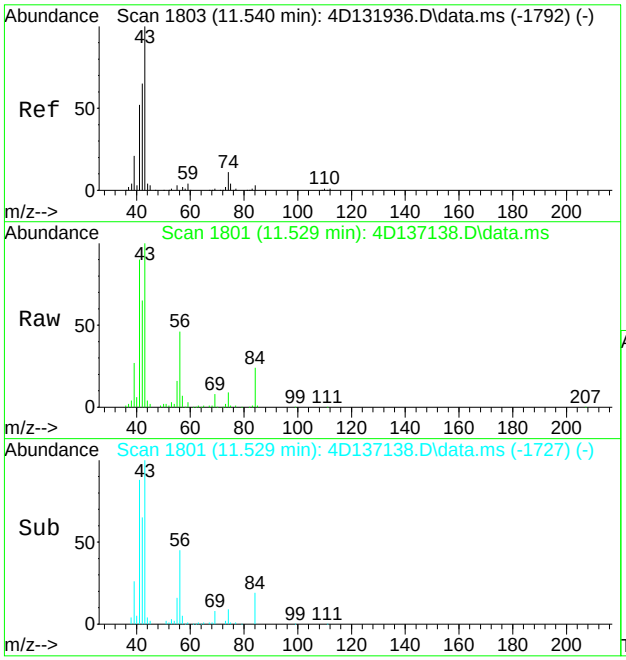


#47
1,1-dichloropropene
Concen: 27.5352 ug/L
RT: 11.571 min Scan# 1809
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 75 Resp: 180017

Ion	Ratio	Lower	Upper
75	100		
77	31.4	11.0	51.0
110	36.3	17.6	57.6

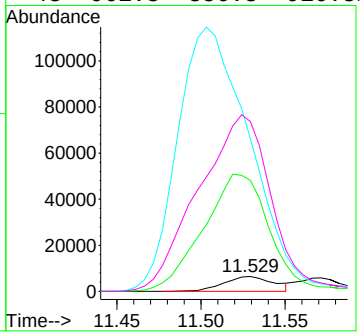


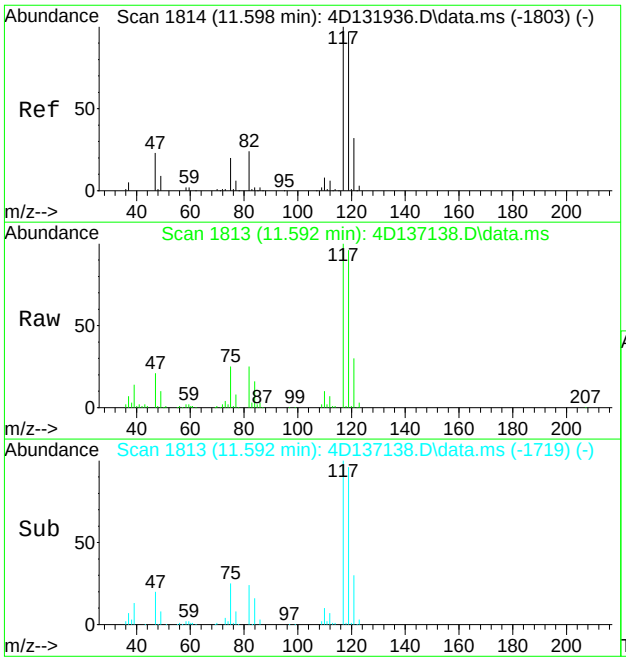


#48
isobutyl alcohol
Concen: 223.1214 ug/L
RT: 11.529 min Scan# 1801
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 74 Resp: 13438

Ion	Ratio	Lower	Upper
74	100		
42	682.8	546.1	606.1#
41	773.1	593.5	653.5#
43	961.3	856.3	916.3#

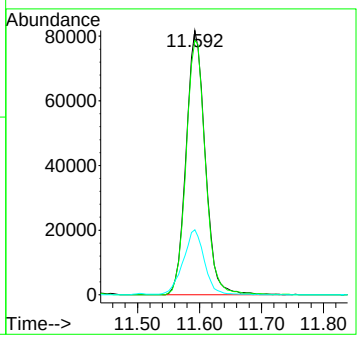


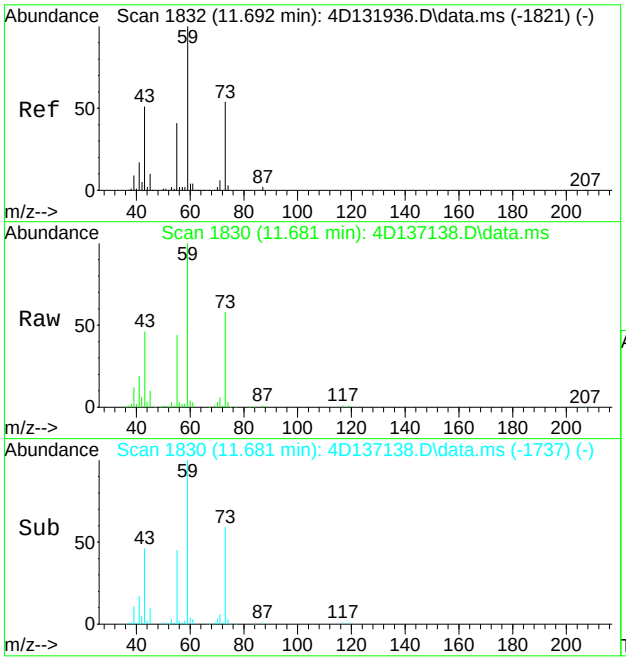


#49
carbon tetrachloride
Concen: 26.1241 ug/L
RT: 11.592 min Scan# 1813
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:117 Resp: 174745

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.2	117.2
82	24.6	4.2	44.2

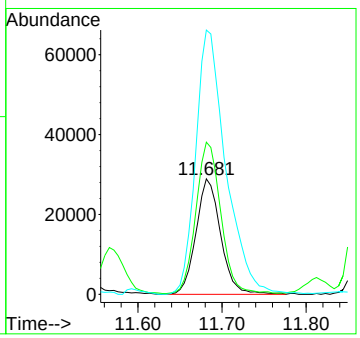


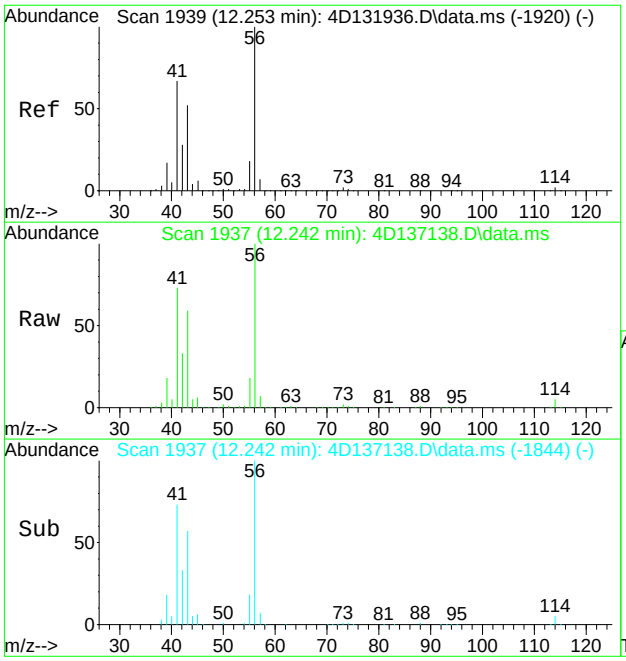


#50
tert amyl alcohol
Concen: 104.5200 ug/L
RT: 11.681 min Scan# 1830
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 55 Resp: 59110

Ion	Ratio	Lower	Upper
55	100		
73	131.0	100.3	160.3
59	229.1	213.3	273.3

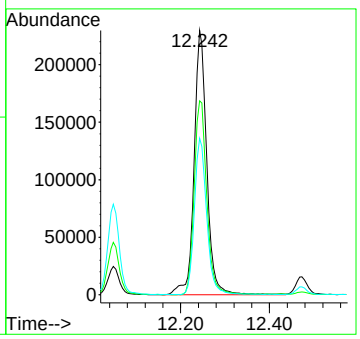


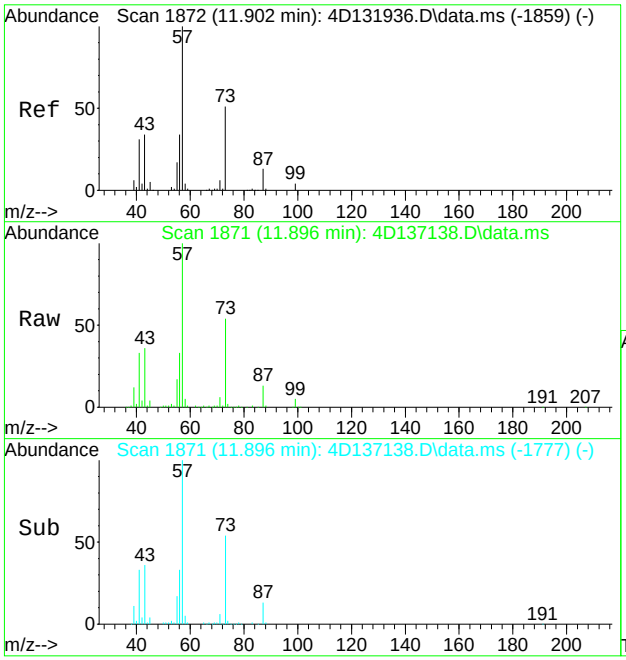


#53
n-butyl alcohol
Concen: 1022.5617 ug/L
RT: 12.242 min Scan# 1937
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 56 Resp: 455154

Ion	Ratio	Lower	Upper
56	100		
41	73.3	36.6	96.6
43	59.1	22.4	82.4

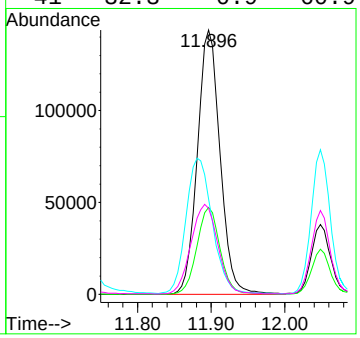


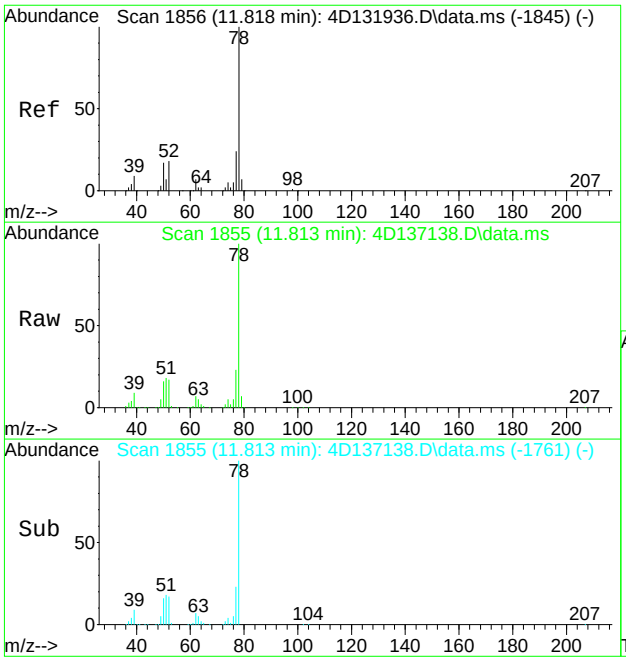


#54
2,2,4-trimethylpentane
Concen: 20.4937 ug/L
RT: 11.896 min Scan# 1871
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 57 Resp: 308776

Ion	Ratio	Lower	Upper
57	100		
56	32.9	3.6	63.6
43	35.8	4.6	64.6
41	32.3	0.9	60.9

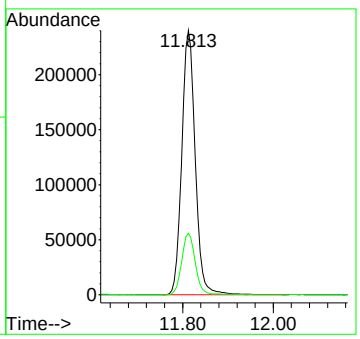


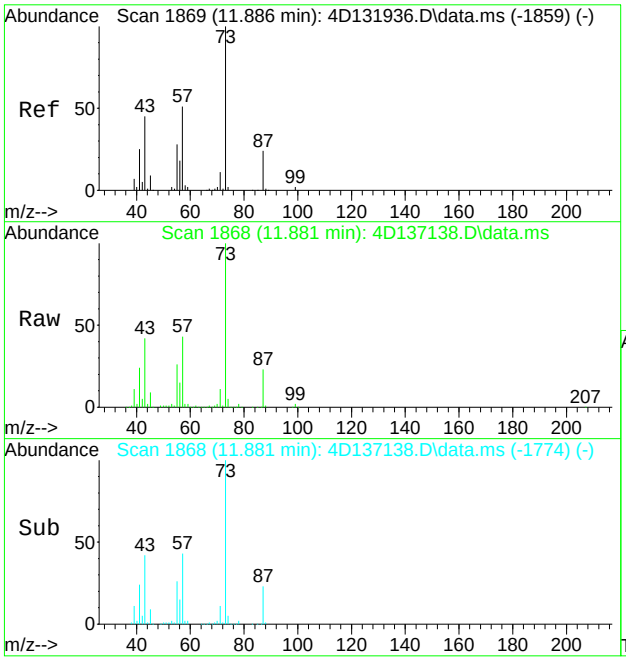


#55
benzene
Concen: 25.1042 ug/L
RT: 11.813 min Scan# 1855
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 78 Resp: 496646

Ion	Ratio	Lower	Upper
78	100		
77	23.3	0.0	53.7

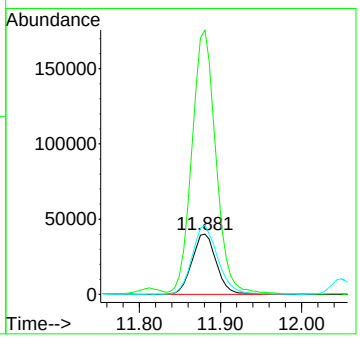


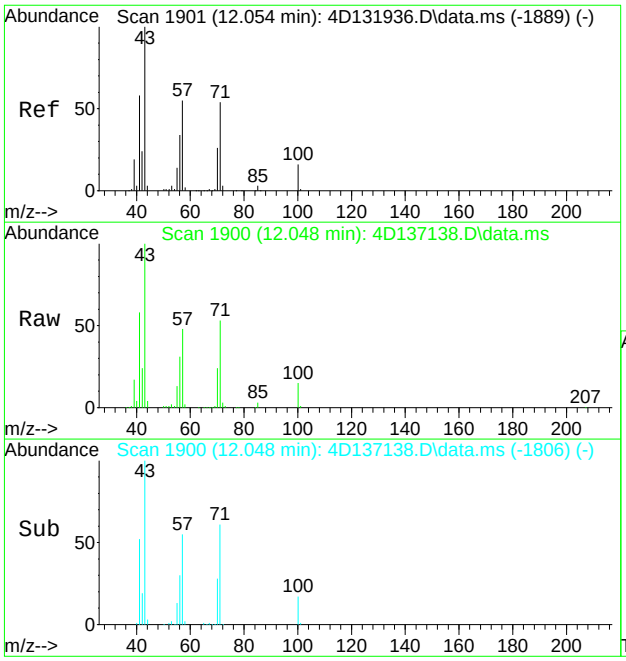


#56
tert-amyl methyl ether
Concen: 22.2308 ug/L
RT: 11.881 min Scan# 1868
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 87 Resp: 83958

Ion	Ratio	Lower	Upper
87	100		
73	436.3	382.6	442.6
55	114.5	85.4	145.4

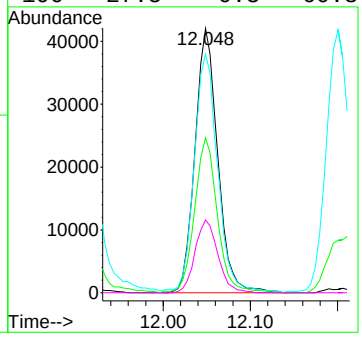


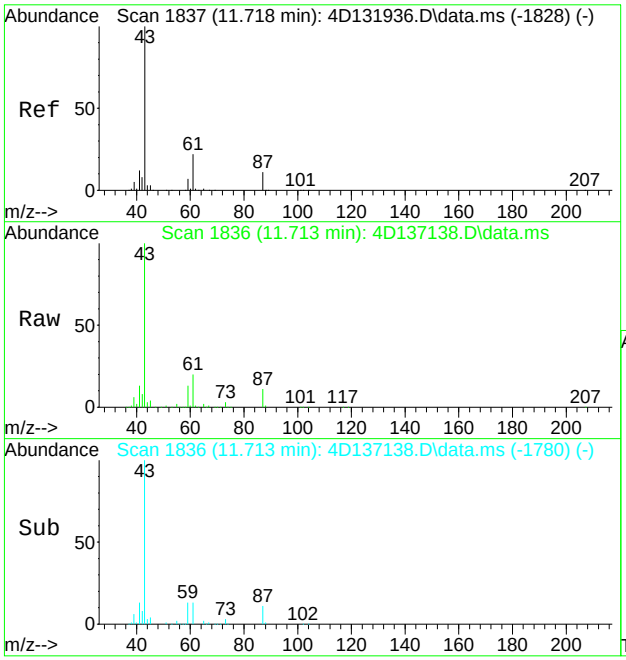


#57
heptane
Concen: 23.2058 ug/L
RT: 12.048 min Scan# 1900
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 71 Resp: 76145

Ion	Ratio	Lower	Upper
71	100		
56	58.6	33.0	93.0
57	89.7	72.2	132.2
100	27.5	0.3	60.3

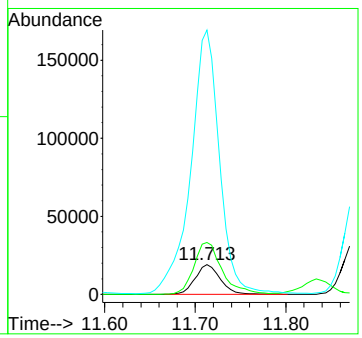


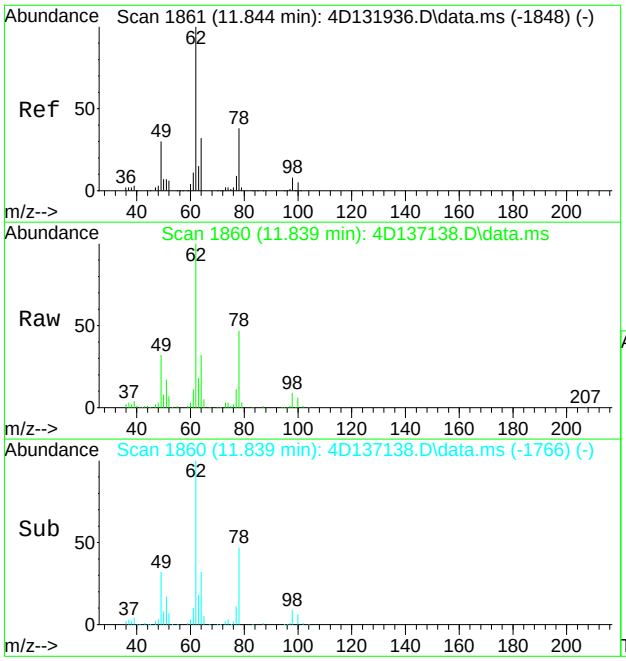


#58
isopropyl acetate
Concen: 24.3959 ug/L
RT: 11.713 min Scan# 1836
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 87 Resp: 36728

Ion	Ratio	Lower	Upper
87	100		
61	173.1	170.1	230.1
43	880.9	919.0	979.0#

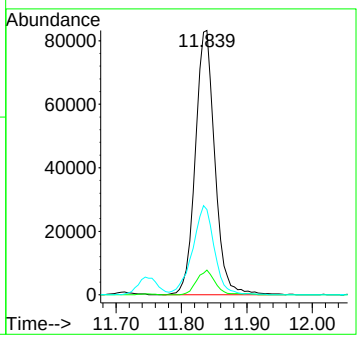


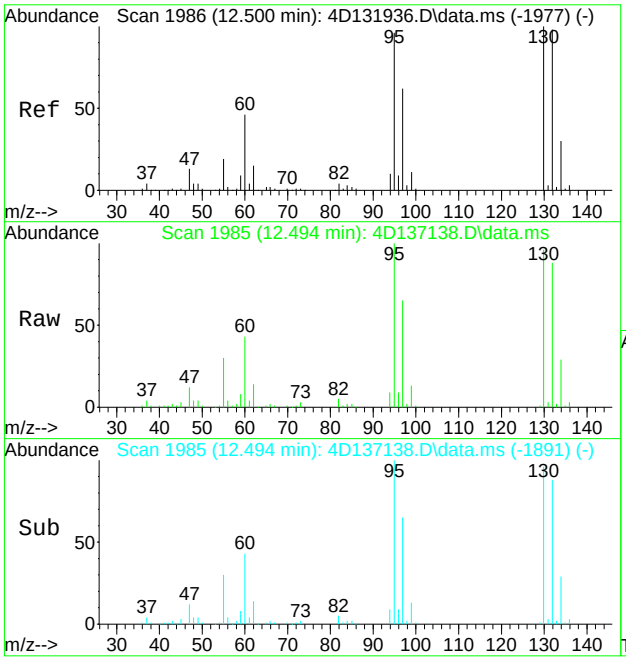


#59
1,2-dichloroethane
Concen: 20.9912 ug/L
RT: 11.839 min Scan# 1860
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 62 Resp: 172248

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	38.5
49	32.3	1.1	61.1

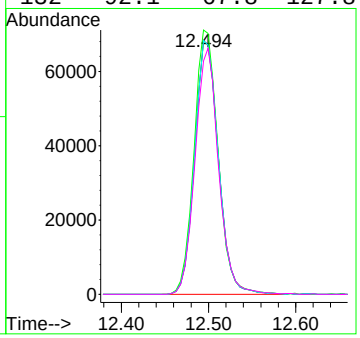


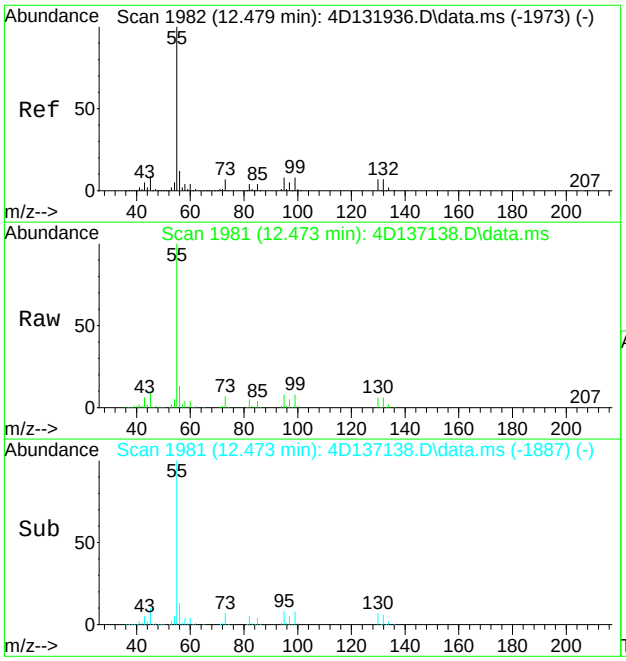


#60
trichloroethene
Concen: 23.7069 ug/L
RT: 12.494 min Scan# 1985
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:130 Resp: 129765

Ion	Ratio	Lower	Upper
130	100		
95	104.3	65.8	125.8
130	100.0	70.0	130.0
132	92.1	67.8	127.8

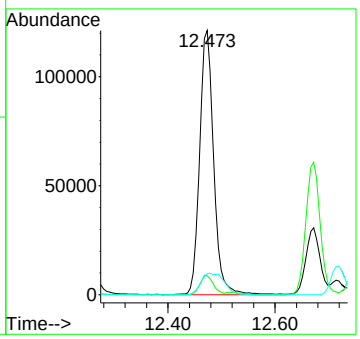


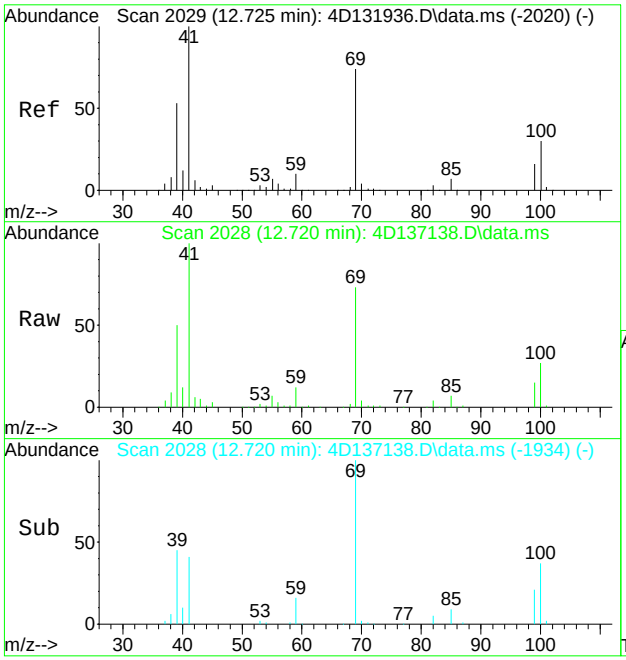


#61
ethyl acrylate
Concen: 21.1007 ug/L
RT: 12.473 min Scan# 1981
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 55 Resp: 221980

Ion	Ratio	Lower	Upper
55	100		
73	7.2	0.0	26.5
99	8.0	0.0	27.5

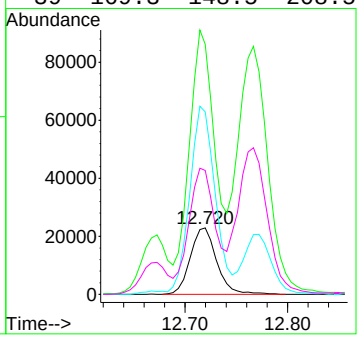


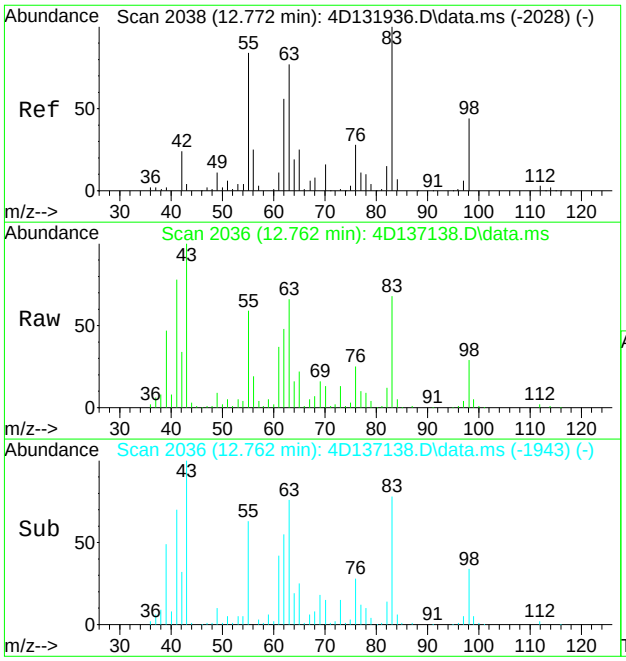


#64
methyl methacrylate
Concen: 21.7969 ug/L
RT: 12.720 min Scan# 2028
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:100 Resp: 41141

Ion	Ratio	Lower	Upper
100	100		
41	344.9	304.3	364.3
69	269.7	217.8	277.8
39	169.3	148.5	208.5

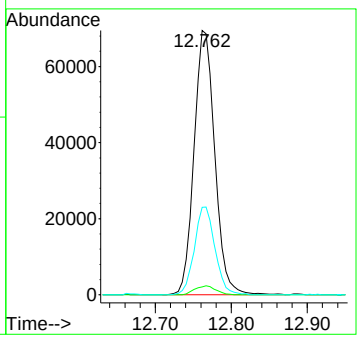


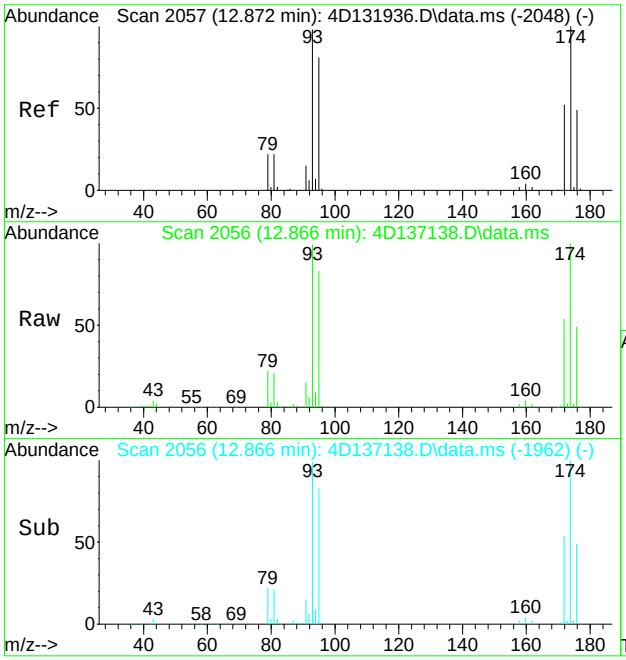


#65
1,2-dichloropropane
Concen: 23.3719 ug/L
RT: 12.762 min Scan# 2036
Delta R.T. -0.010 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 63 Resp: 132208

Ion	Ratio	Lower	Upper
63	100		
112	3.0	0.0	33.7
65	33.1	1.9	61.9

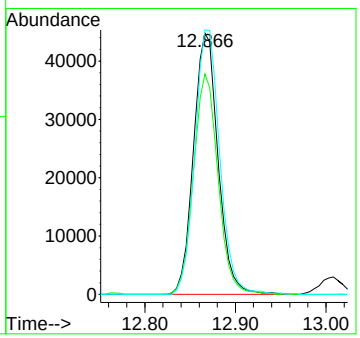


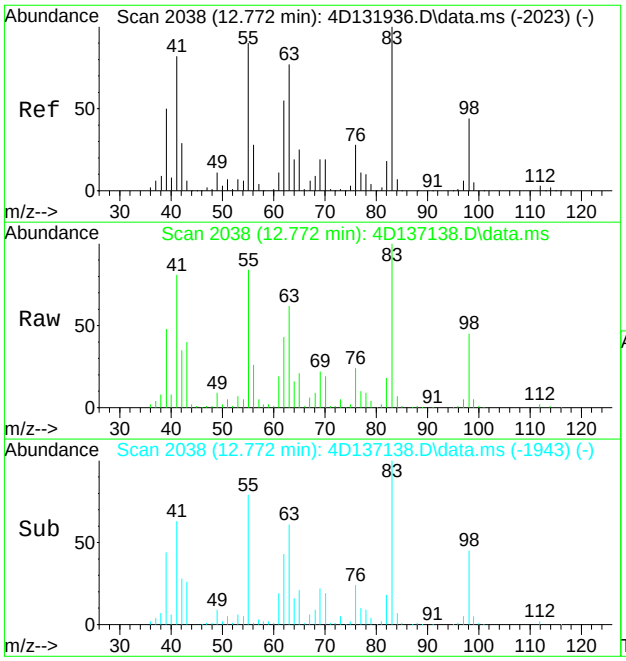


#66
dibromomethane
Concen: 23.6667 ug/L
RT: 12.866 min Scan# 2056
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 93 Resp: 84325

Ion	Ratio	Lower	Upper
93	100		
95	84.3	52.6	112.6
174	101.2	72.4	132.4

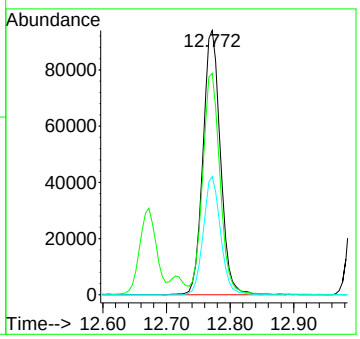


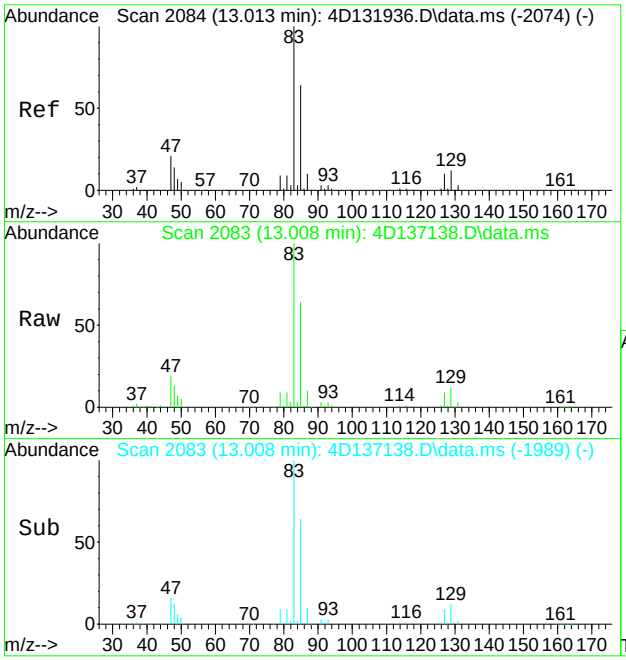


#67
methylcyclohexane
Concen: 23.0653 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. 0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 83 Resp: 180137

Ion	Ratio	Lower	Upper
83	100		
55	83.4	60.5	120.5
98	44.7	14.1	74.1

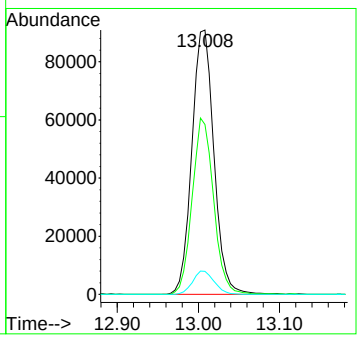


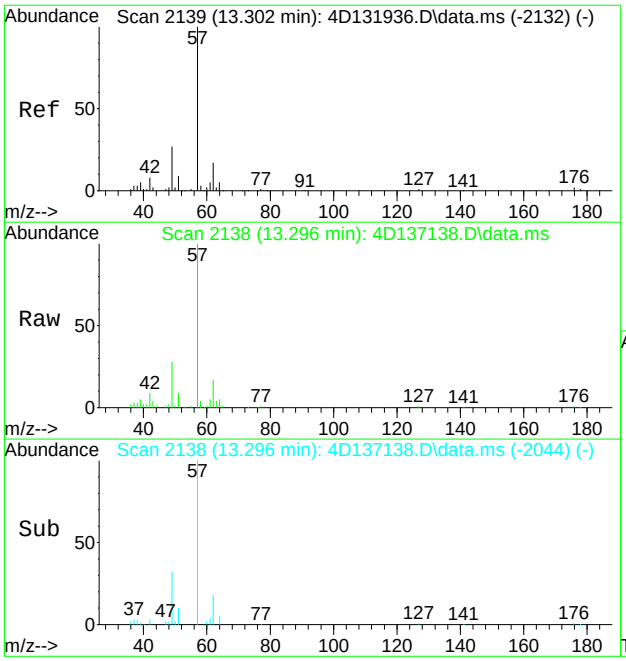


#68
bromodichloromethane
Concen: 23.6430 ug/L
RT: 13.008 min Scan# 2083
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 83 Resp: 172183

Ion	Ratio	Lower	Upper
83	100		
85	64.2	34.4	94.4
127	8.8	0.0	39.7

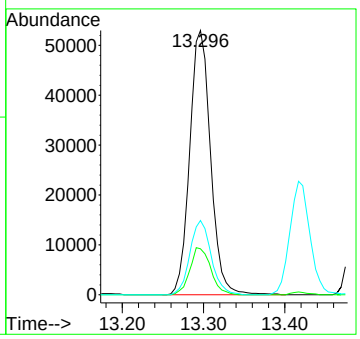


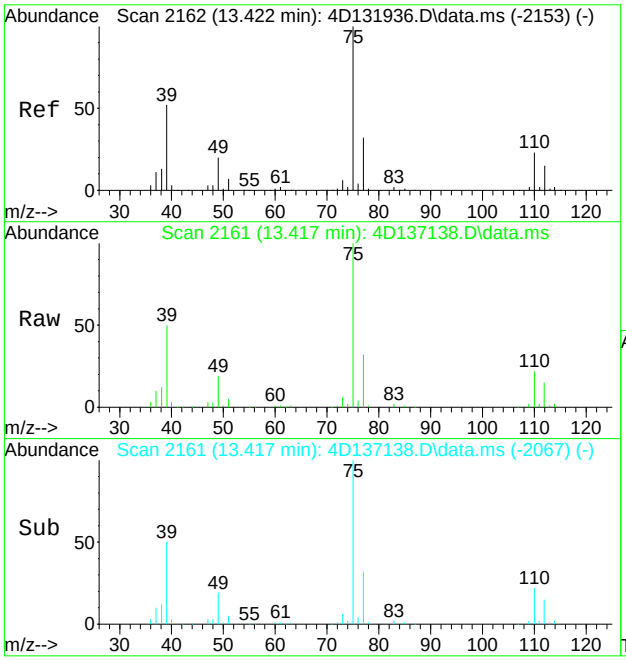


#69
epichlorohydrin
Concen: 87.8910 ug/L
RT: 13.296 min Scan# 2138
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 57 Resp: 94838

Ion	Ratio	Lower	Upper
57	100		
62	17.4	0.0	37.4
49	28.1	6.8	46.8

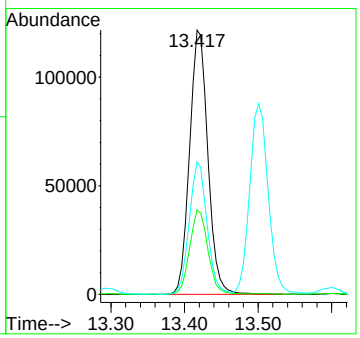


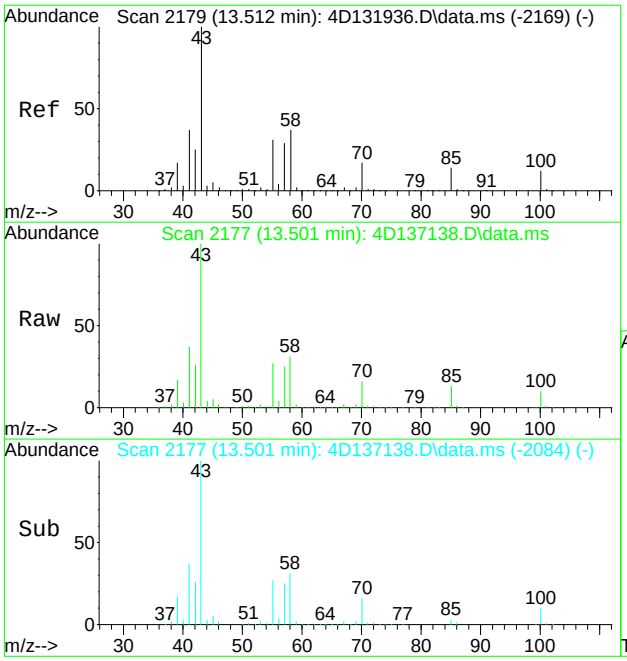


#70
cis-1,3-dichloropropene
Concen: 24.2886 ug/L
RT: 13.417 min Scan# 2161
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 75 Resp: 210432

Ion	Ratio	Lower	Upper
75	100		
77	31.9	1.9	61.9
39	50.1	22.1	82.1

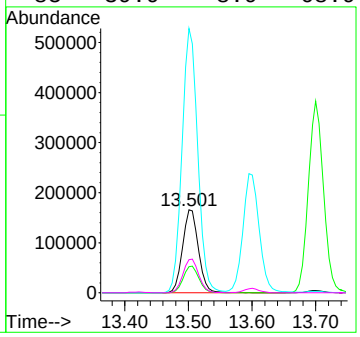


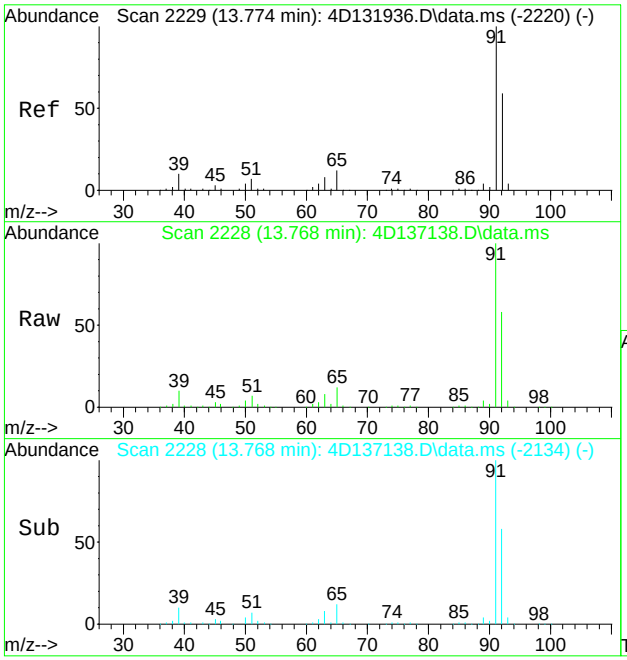


#71
4-methyl-2-pentanone
Concen: 83.6450 ug/L
RT: 13.501 min Scan# 2177
Delta R.T. -0.011 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 58 Resp: 284733

Ion	Ratio	Lower	Upper
58	100		
100	31.4	2.6	62.6
43	317.8	244.0	304.0#
85	39.9	8.9	68.9

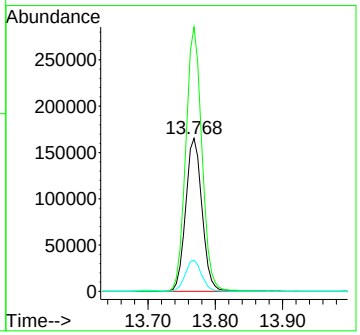


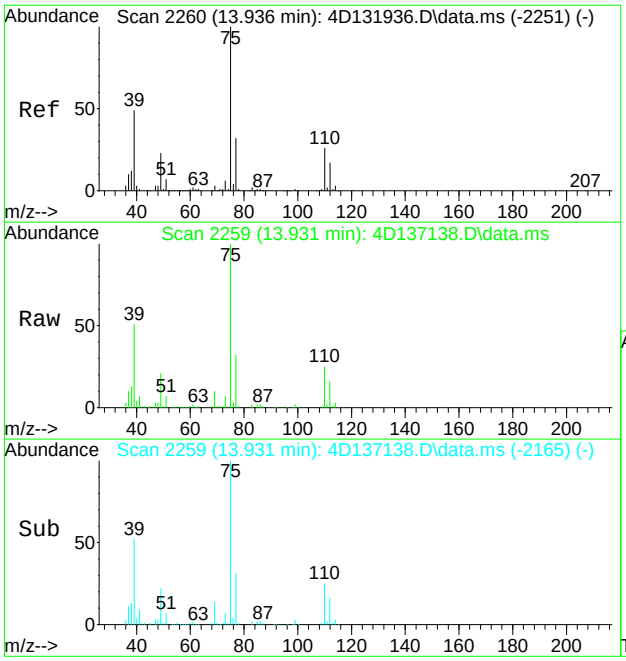


#75
toluene
Concen: 23.2234 ug/L
RT: 13.768 min Scan# 2228
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 92 Resp: 279111

Ion	Ratio	Lower	Upper
92	100		
91	172.8	150.1	190.1
65	20.3	0.0	39.8

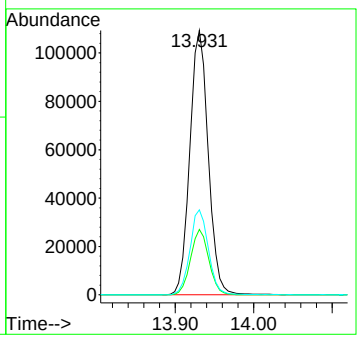


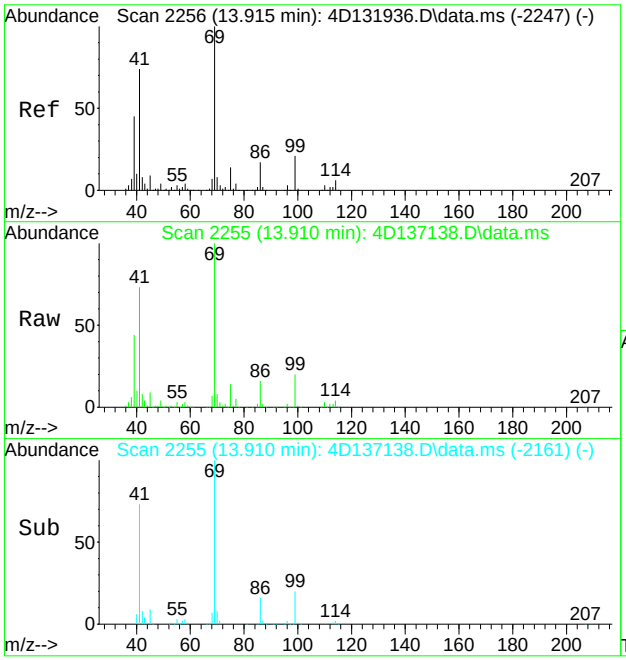


#76
trans-1,3-dichloropropene
Concen: 22.5228 ug/L
RT: 13.931 min Scan# 2259
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 75 Resp: 178491

Ion	Ratio	Lower	Upper
75	100		
110	24.7	5.6	45.6
77	32.1	12.5	52.5

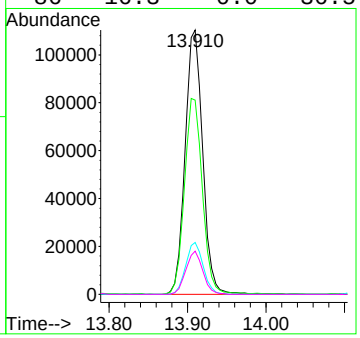


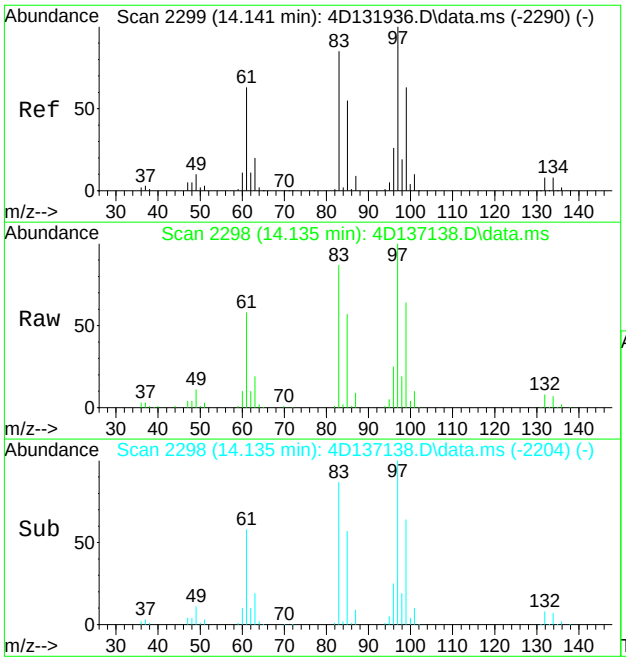


#77
ethyl methacrylate
Concen: 22.0521 ug/L
RT: 13.910 min Scan# 2255
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 69 Resp: 172117

Ion	Ratio	Lower	Upper
69	100		
41	73.4	53.7	93.7
99	19.6	0.5	40.5
86	16.3	0.0	36.5

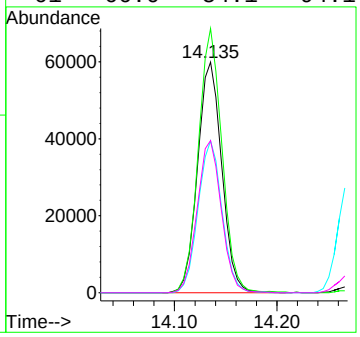


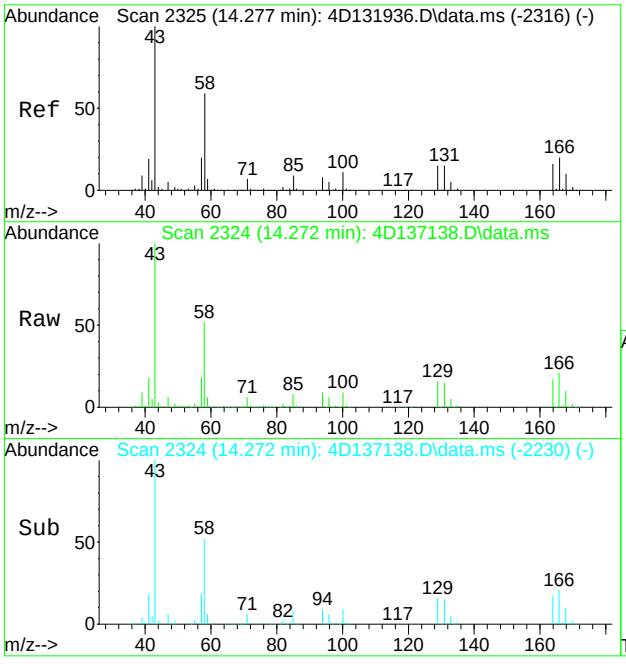


#78
1,1,2-trichloroethane
Concen: 23.0390 ug/L
RT: 14.135 min Scan# 2298
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 83 Resp: 98636

Ion	Ratio	Lower	Upper
83	100		
97	114.7	98.0	138.0
85	65.9	44.8	84.8
61	66.0	54.1	94.1

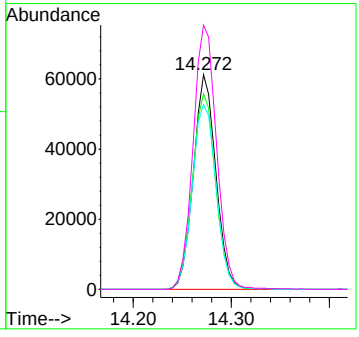


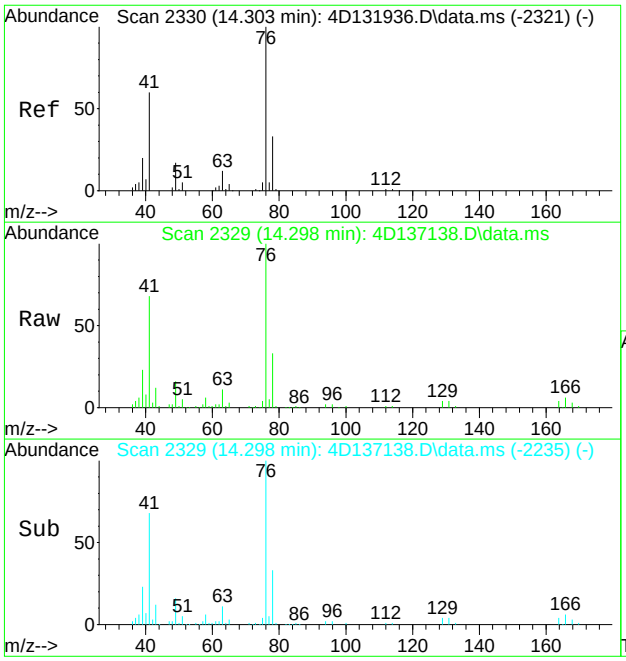


#79
tetrachloroethene
Concen: 23.4305 ug/L
RT: 14.272 min Scan# 2324
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:164 Resp: 97872

Ion	Ratio	Lower	Upper
164	100		
129	91.2	63.3	123.3
131	86.3	59.8	119.8
166	123.2	95.2	155.2

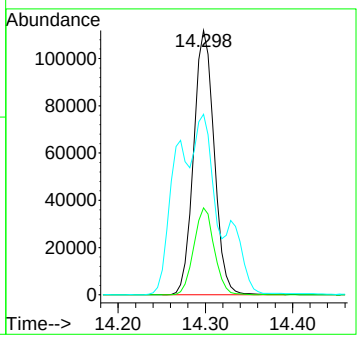


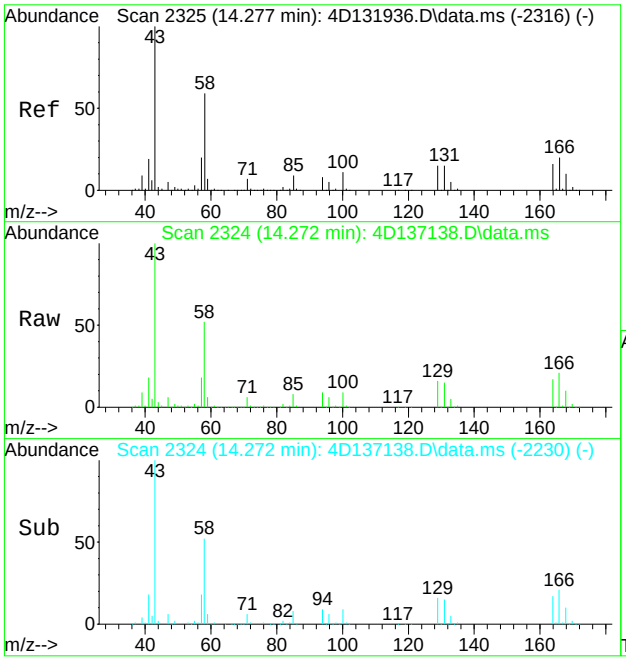


#80
1,3-dichloropropane
Concen: 24.2174 ug/L
RT: 14.298 min Scan# 2329
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 76 Resp: 182746

Ion	Ratio	Lower	Upper
76	100		
78	32.9	2.5	62.5
41	67.8	40.0	100.0

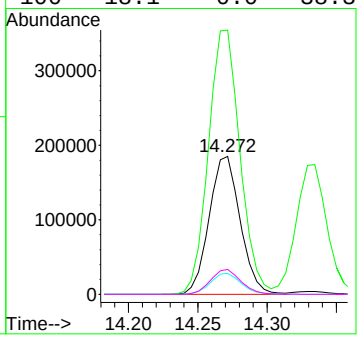


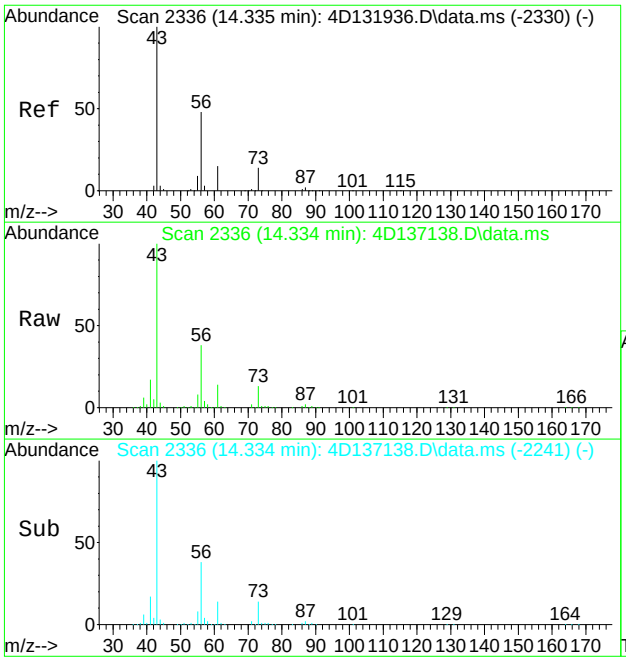


#81
2-hexanone
Concen: 76.6754 ug/L
RT: 14.272 min Scan# 2324
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 58 Resp: 288102

Ion	Ratio	Lower	Upper
58	100		
43	191.6	149.1	189.1#
85	15.3	0.0	34.7
100	18.1	0.0	38.3

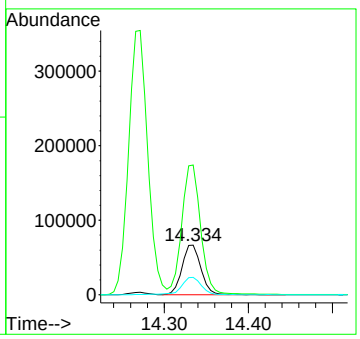


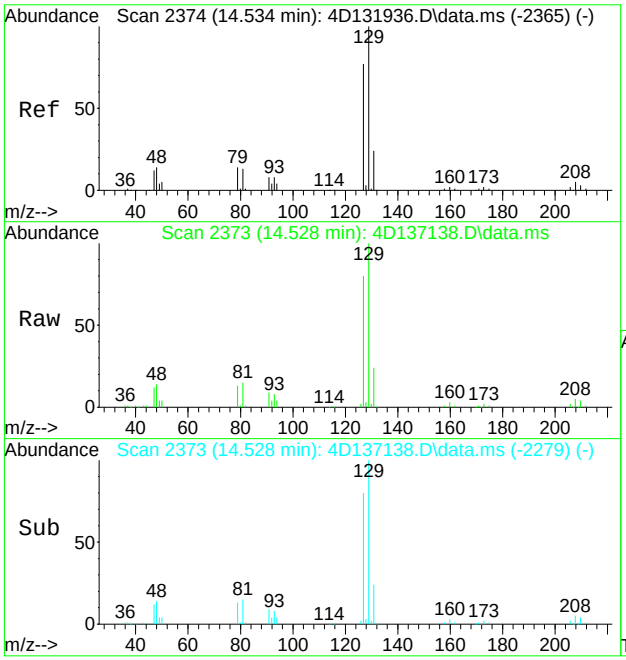


#82
butyl acetate
Concen: 19.5526 ug/L
RT: 14.334 min Scan# 2336
Delta R.T. -0.001 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 56 Resp: 104518

Ion	Ratio	Lower	Upper
56	100		
43	260.2	196.2	256.2#
73	35.2	0.0	59.9

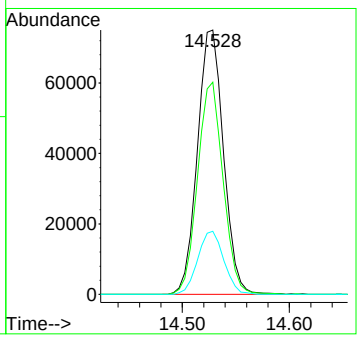


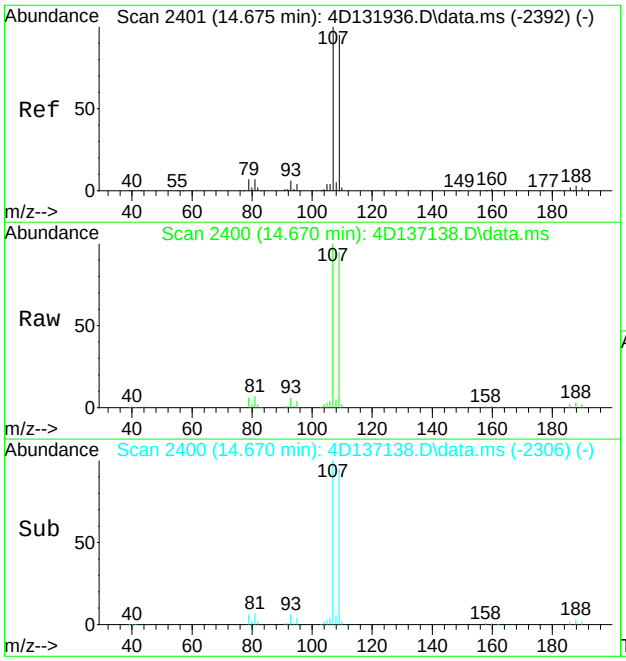


#83
dibromochloromethane
Concen: 21.3502 ug/L
RT: 14.528 min Scan# 2373
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:129 Resp: 127231

Ion	Ratio	Lower	Upper
129	100		
127	80.2	47.2	107.2
131	23.8	0.0	54.4

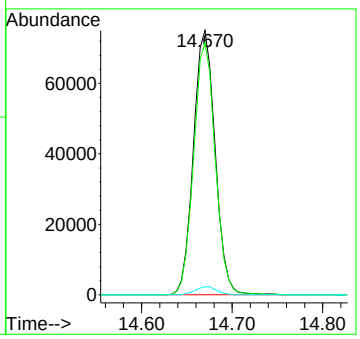


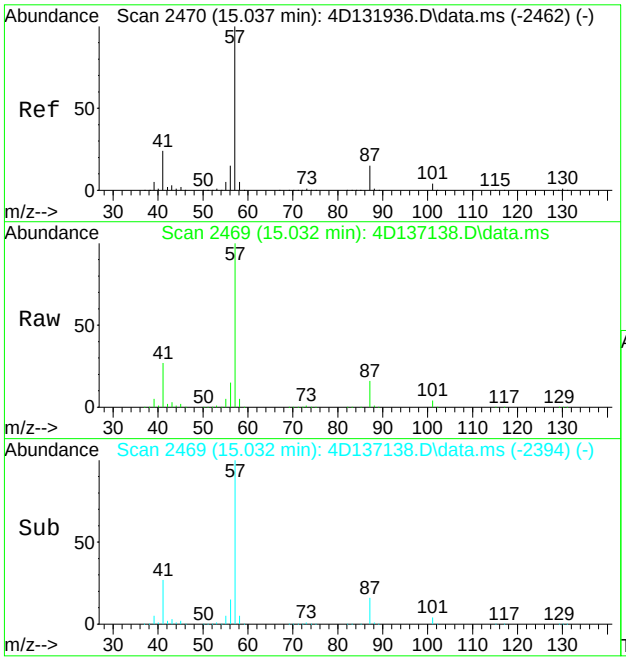


#84
1,2-dibromoethane
Concen: 22.8348 ug/L
RT: 14.670 min Scan# 2400
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:107 Resp: 124694

Ion	Ratio	Lower	Upper
107	100		
109	95.3	65.1	125.1
188	3.0	0.0	33.2

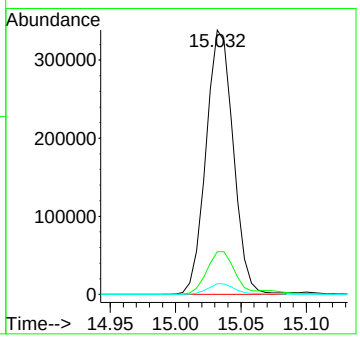


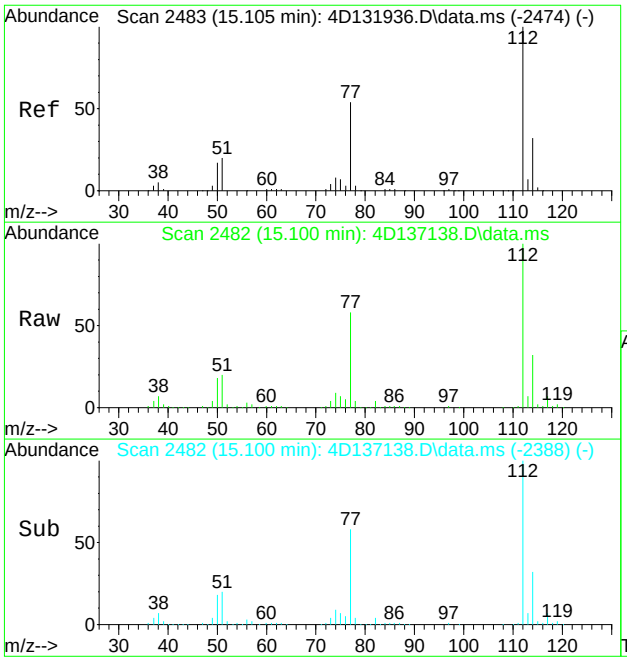


#85
n-butyl ether
Concen: 21.7581 ug/L
RT: 15.032 min Scan# 2469
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 57 Resp: 491865

Ion	Ratio	Lower	Upper
57	100		
87	16.1	0.0	44.7
101	4.0	0.0	33.8

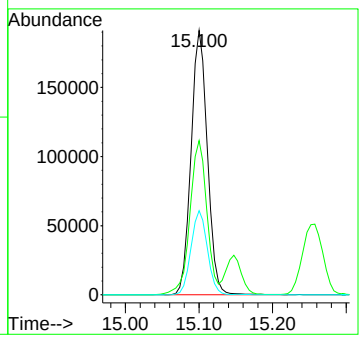


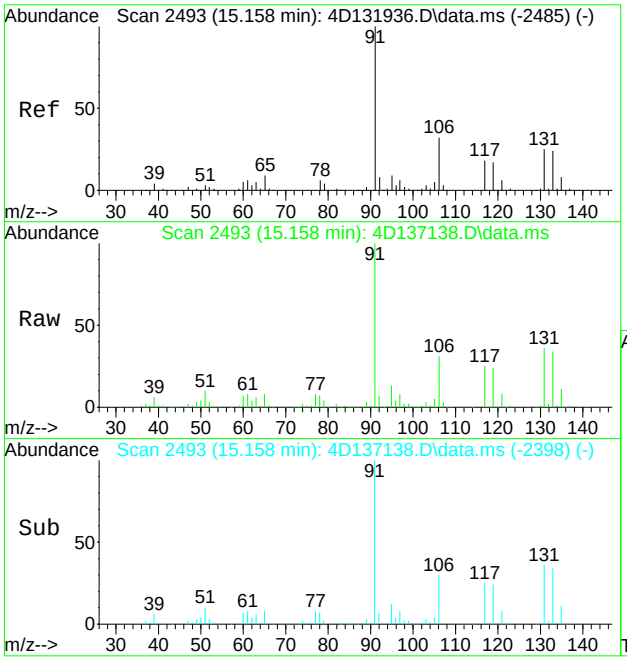


#86
chlorobenzene
Concen: 22.2878 ug/L
RT: 15.100 min Scan# 2482
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:112 Resp: 294659

Ion	Ratio	Lower	Upper
112	100		
77	57.9	23.8	83.8
114	31.8	2.2	62.2

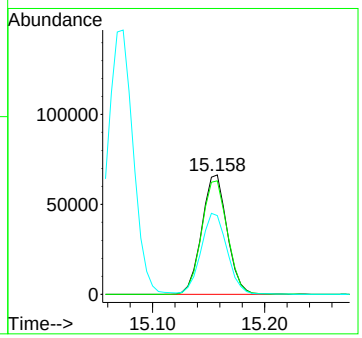


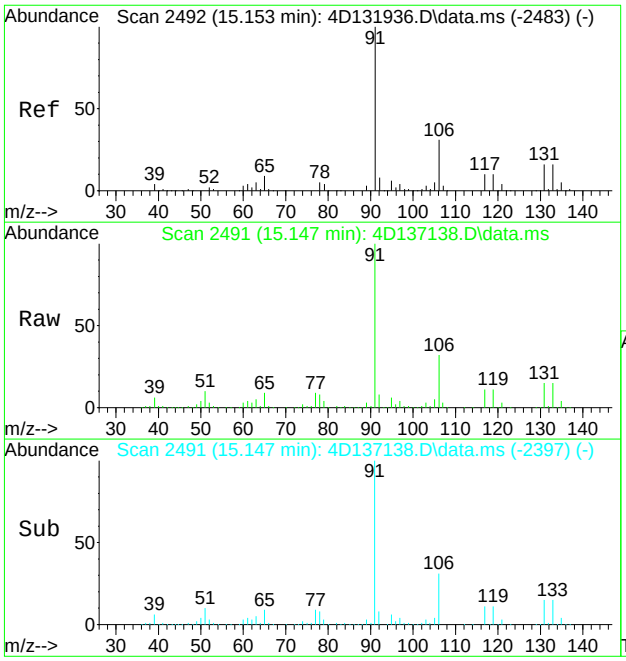


#87
1,1,1,2-tetrachloroethane
Concen: 21.9615 ug/L
RT: 15.158 min Scan# 2493
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:131 Resp: 104819

Ion	Ratio	Lower	Upper
131	100		
133	95.0	66.4	126.4
119	65.8	37.8	97.8

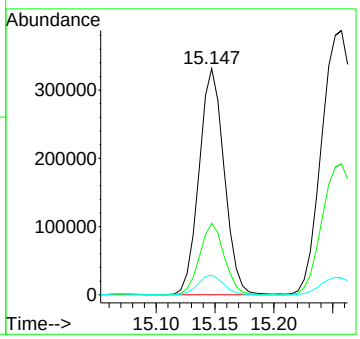


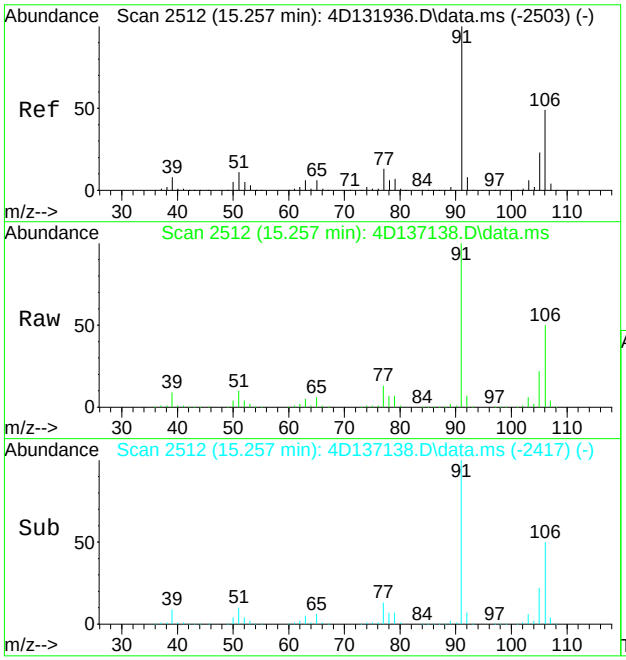


#88
ethylbenzene
Concen: 22.8564 ug/L
RT: 15.147 min Scan# 2491
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 91 Resp: 493192

Ion	Ratio	Lower	Upper
91	100		
106	31.7	1.3	61.3
65	8.7	0.0	39.1

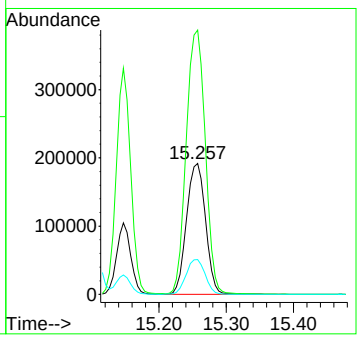


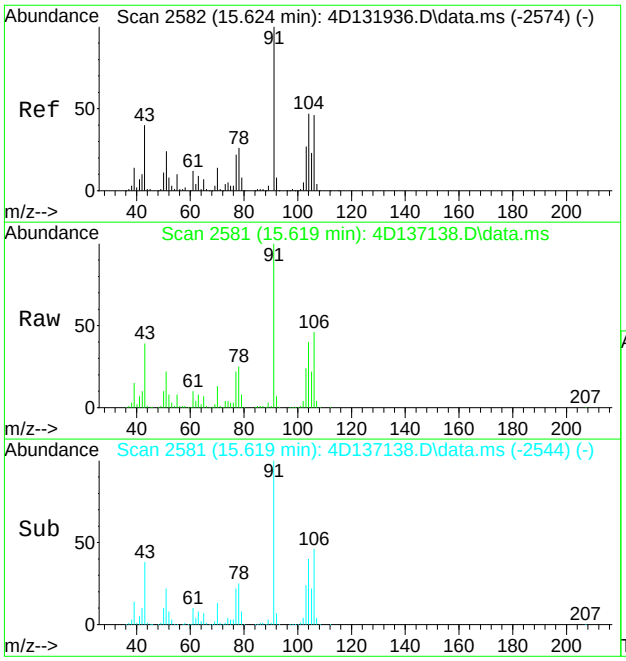


#89
m,p-xylene
Concen: 45.4139 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. 0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:106 Resp: 376961

Ion	Ratio	Lower	Upper
106	100		
91	201.7	173.6	233.6
77	26.5	5.6	45.6

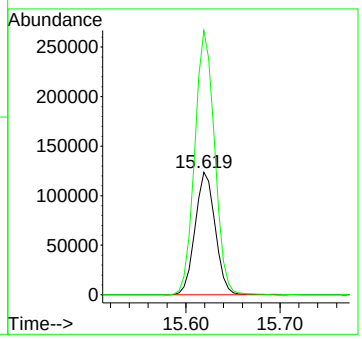


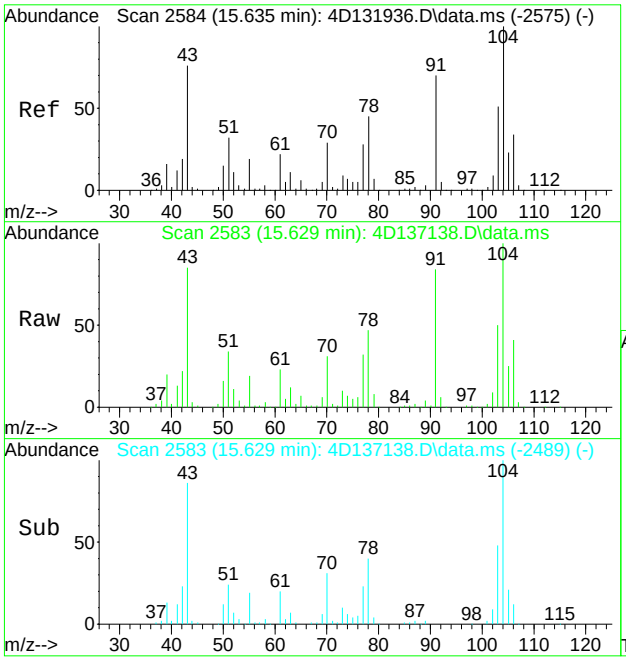


#90
o-xylene
Concen: 22.6443 ug/L
RT: 15.619 min Scan# 2581
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:106 Resp: 184037

Ion	Ratio	Lower	Upper
106	100		
91	215.7	188.2	248.2

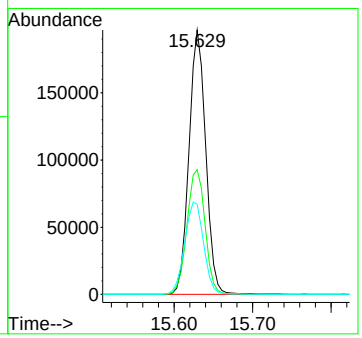


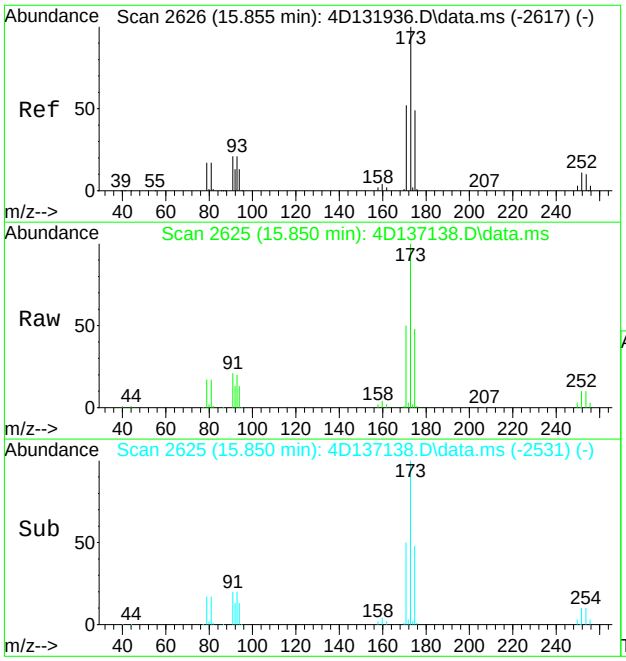


#91
styrene
Concen: 21.4127 ug/L
RT: 15.629 min Scan# 2583
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:104 Resp: 292129

Ion	Ratio	Lower	Upper
104	100		
78	47.2	14.9	74.9
51	34.2	2.1	62.1

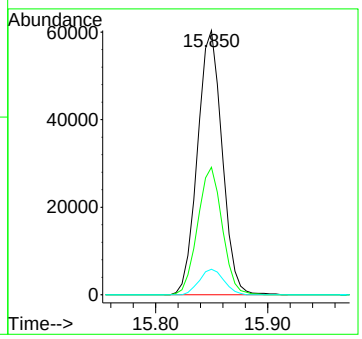


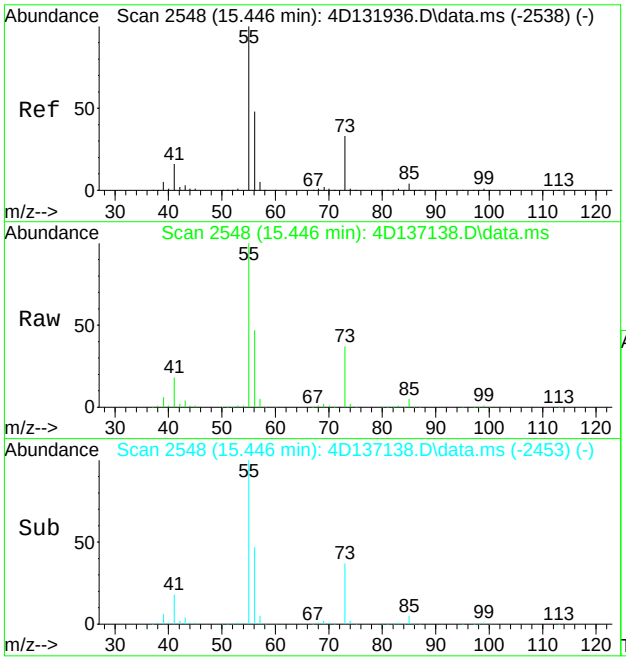


#92
bromoform
Concen: 21.5968 ug/L
RT: 15.850 min Scan# 2625
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:173 Resp: 91905

Ion	Ratio	Lower	Upper
173	100		
175	48.3	18.7	78.7
254	9.7	0.0	40.1

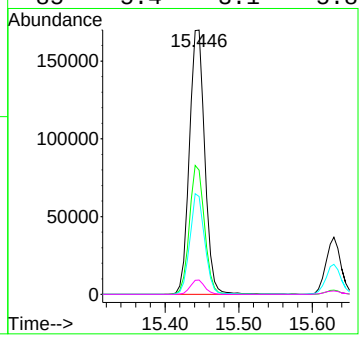


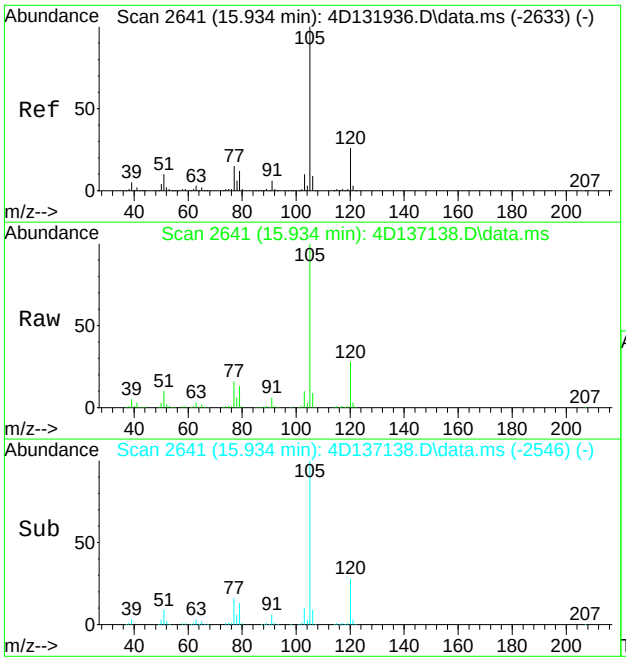


#93
butyl acrylate
Concen: 19.4007 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 55 Resp: 247536

Ion	Ratio	Lower	Upper
55	100		
56	47.0	33.5	62.1
73	37.0	23.2	43.2
85	5.4	3.1	5.8

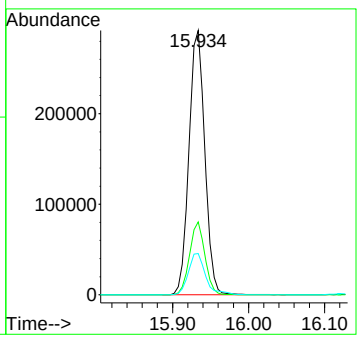


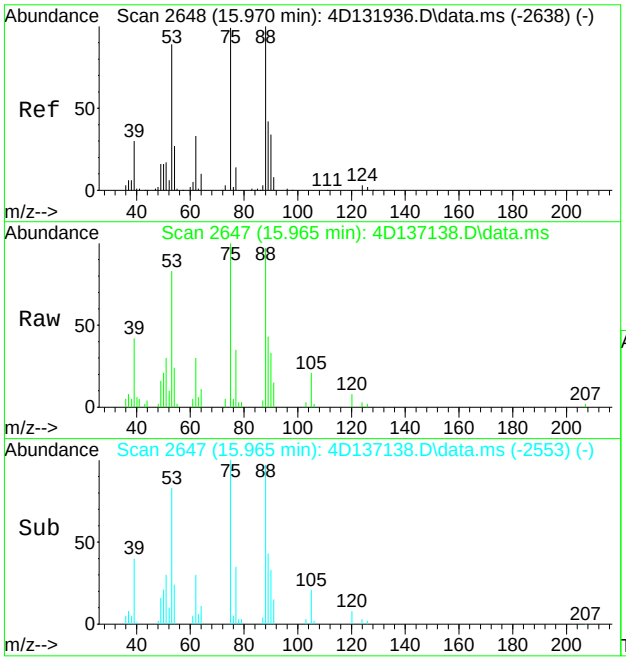


#94
isopropylbenzene
Concen: 22.4410 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:105 Resp: 422632

Ion	Ratio	Lower	Upper
105	100		
120	27.5	5.9	45.9
77	15.6	0.0	34.7

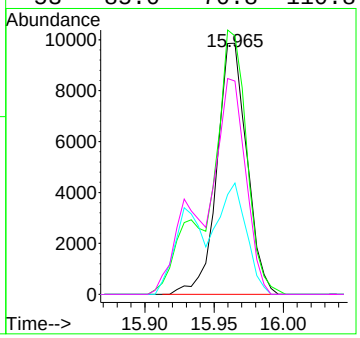


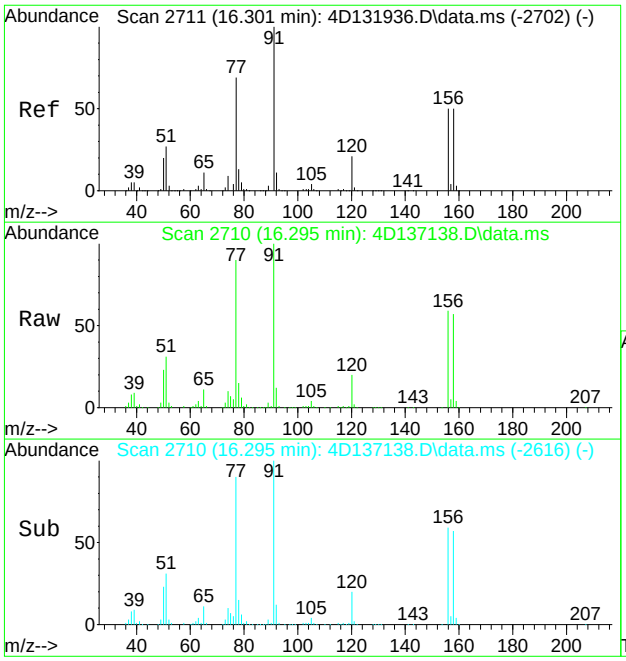


#95
cis-1,4-dichloro-2-butene
Concen: 5.9445 ug/L
RT: 15.965 min Scan# 2647
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 88 Resp: 14757

Ion	Ratio	Lower	Upper
88	100		
75	102.9	80.4	120.4
89	44.3	23.8	63.8
53	85.0	70.8	110.8

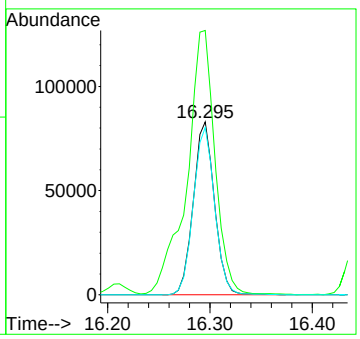


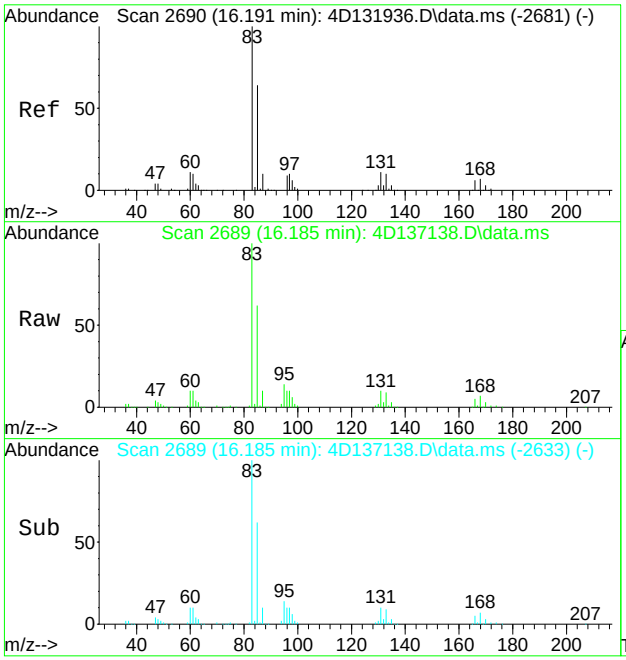


#98
bromobenzene
Concen: 23.3951 ug/L
RT: 16.295 min Scan# 2710
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:156 Resp: 119481

Ion	Ratio	Lower	Upper
156	100		
77	152.4	114.1	174.1
158	96.7	69.3	129.3

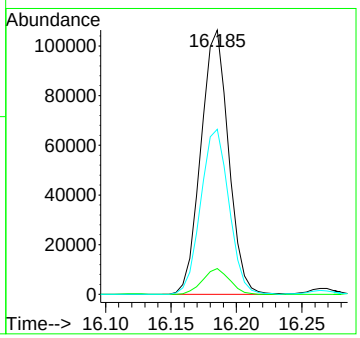


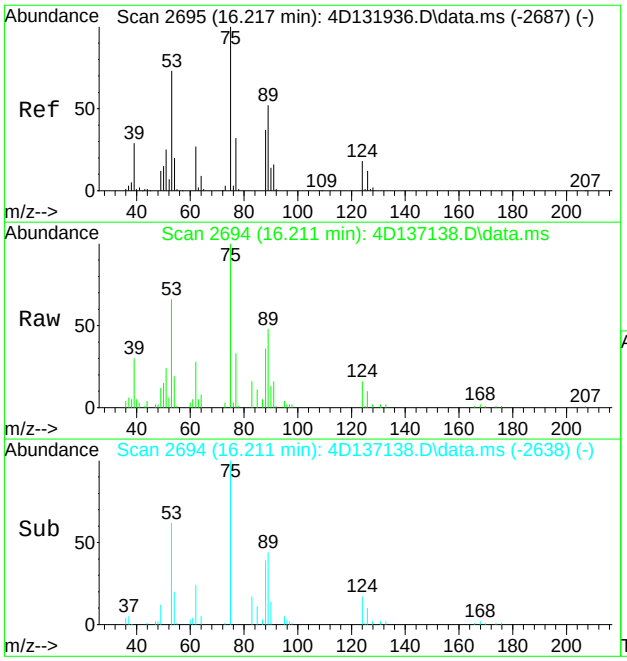


#99
1,1,2,2-tetrachloroethane
Concen: 23.1136 ug/L
RT: 16.185 min Scan# 2689
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 83 Resp: 156372

Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	40.7
85	62.4	33.7	93.7

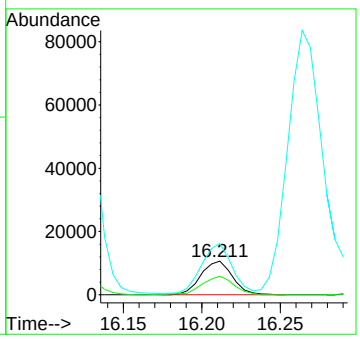


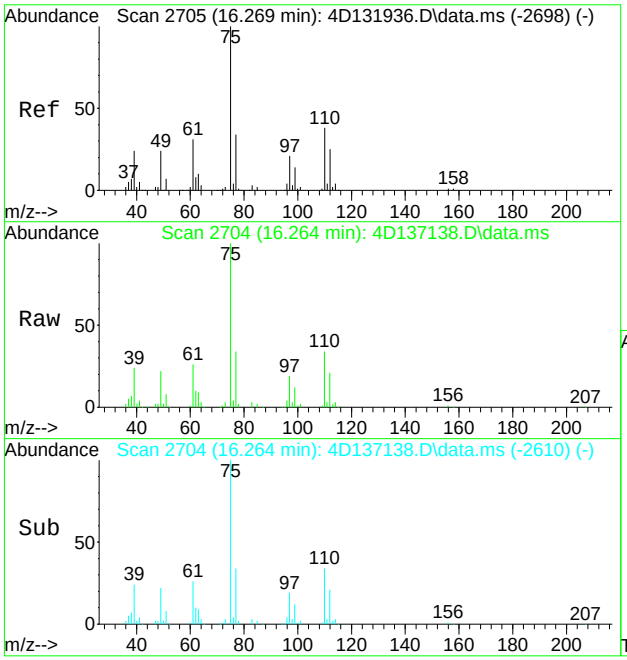


#100
trans-1,4-dichloro-2-butene
Concen: 7.2602 ug/L
RT: 16.211 min Scan# 2694
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 53 Resp: 14948

Ion	Ratio	Lower	Upper
53	100		
88	55.4	20.8	80.8
75	149.1	106.5	166.5

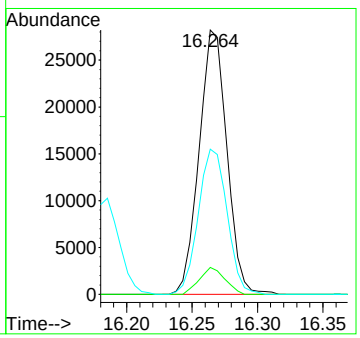


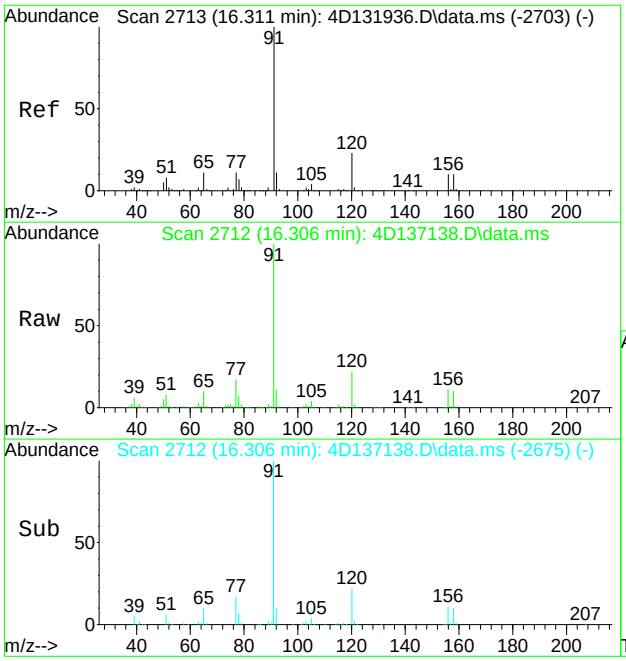


#101
1,2,3-trichloropropane
Concen: 23.0106 ug/L
RT: 16.264 min Scan# 2704
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:110 Resp: 41740

Ion	Ratio	Lower	Upper
110	100		
111	10.1	0.0	40.4
97	54.9	25.6	85.6

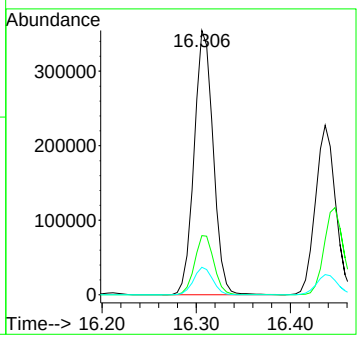


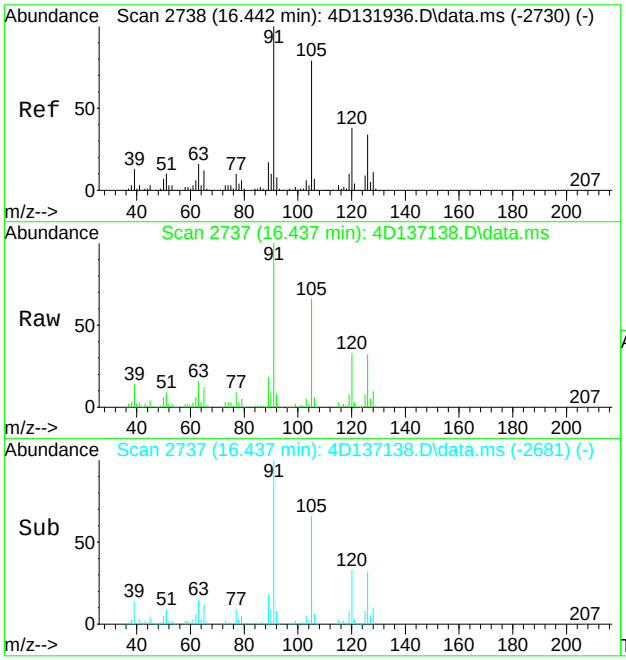


#102
n-propylbenzene
Concen: 23.4946 ug/L
RT: 16.306 min Scan# 2712
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 91 Resp: 500718

Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	53.1
65	10.4	0.0	40.8

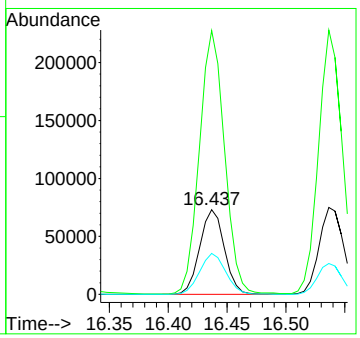


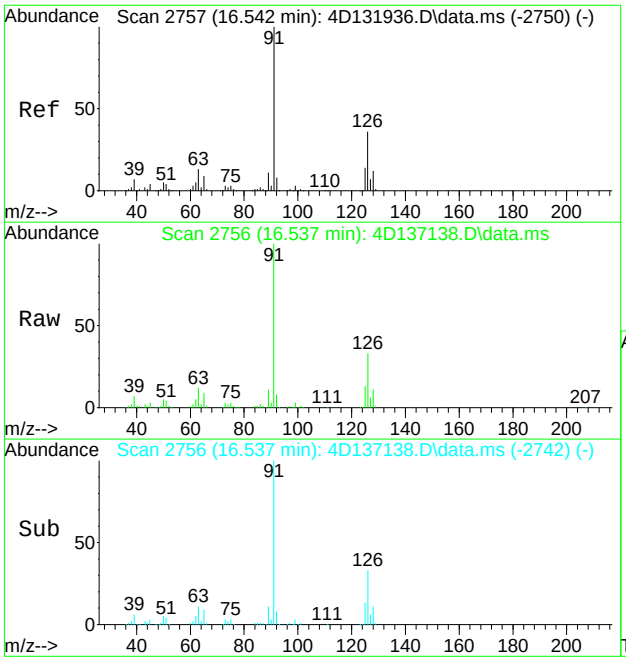


#103
2-chlorotoluene
Concen: 23.1751 ug/L
RT: 16.437 min Scan# 2737
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:126 Resp: 106455

Ion	Ratio	Lower	Upper
126	100		
91	310.8	265.9	325.9
63	48.3	18.3	78.3

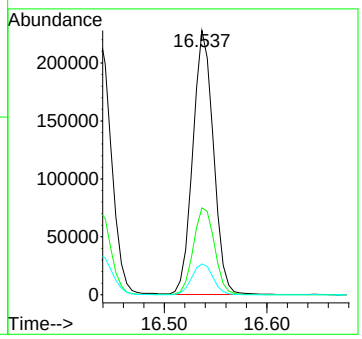


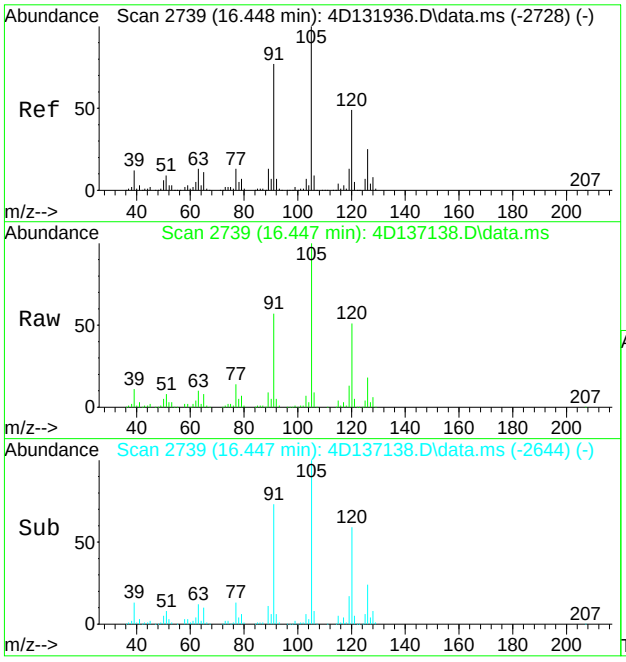


#104
4-chlorotoluene
Concen: 22.7856 ug/L
RT: 16.537 min Scan# 2756
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 91 Resp: 319211

Ion	Ratio	Lower	Upper
91	100		
126	32.9	5.5	65.5
63	11.7	0.0	42.5

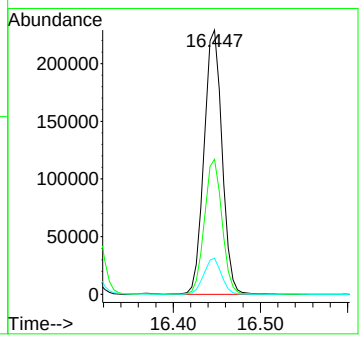


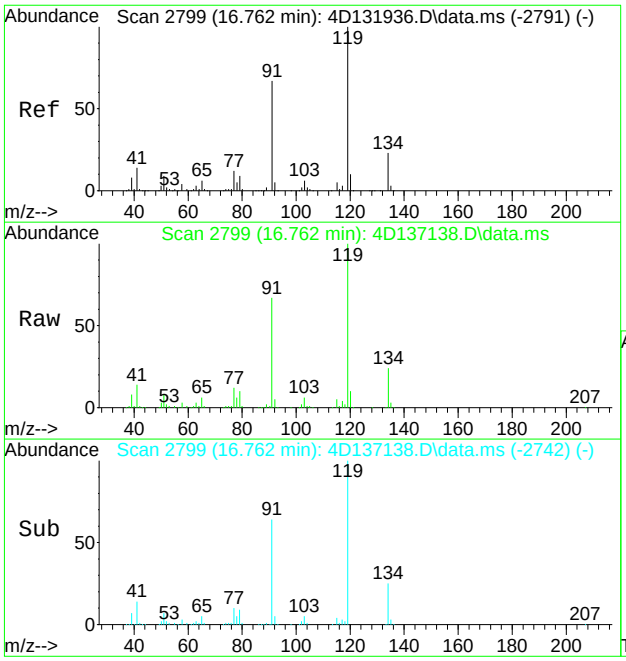


#105
1,3,5-trimethylbenzene
Concen: 21.9520 ug/L
RT: 16.447 min Scan# 2739
Delta R.T. -0.001 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:105 Resp: 329484

Ion	Ratio	Lower	Upper
105	100		
120	51.1	19.3	79.3
77	13.6	0.0	42.7

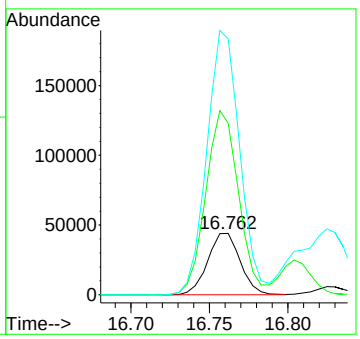


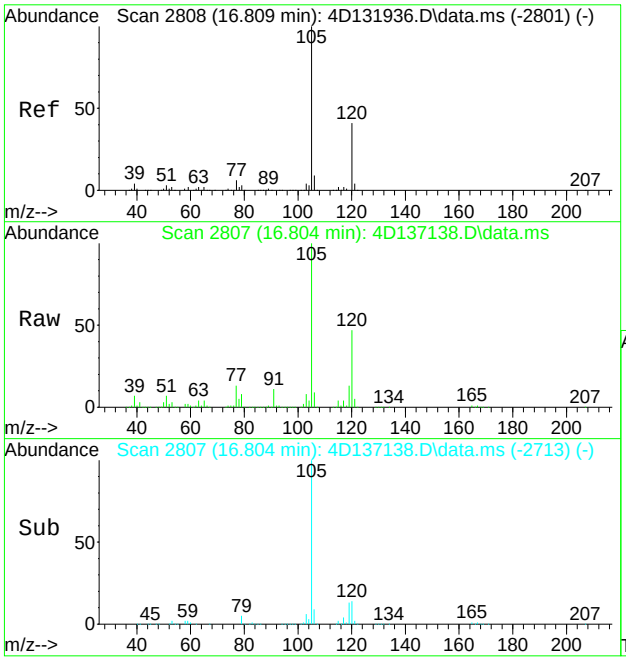


#106
tert-butylbenzene
Concen: 22.8724 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:134 Resp: 63702

Ion	Ratio	Lower	Upper
134	100		
91	279.1	266.0	326.0
119	416.3	410.0	470.0

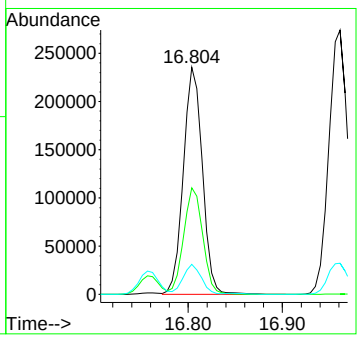


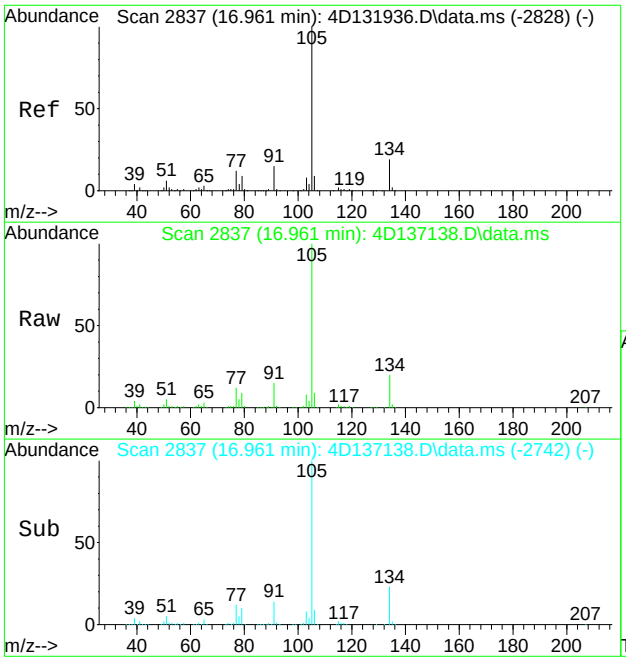


#107
1,2,4-trimethylbenzene
Concen: 21.9105 ug/L
RT: 16.804 min Scan# 2807
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:105 Resp: 331428

Ion	Ratio	Lower	Upper
105	100		
120	46.9	15.8	75.8
77	13.2	0.0	41.4

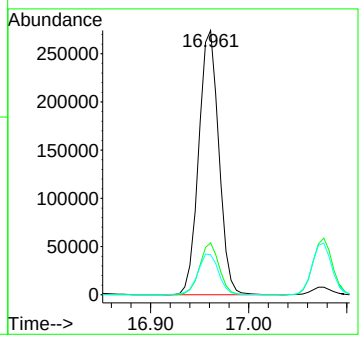


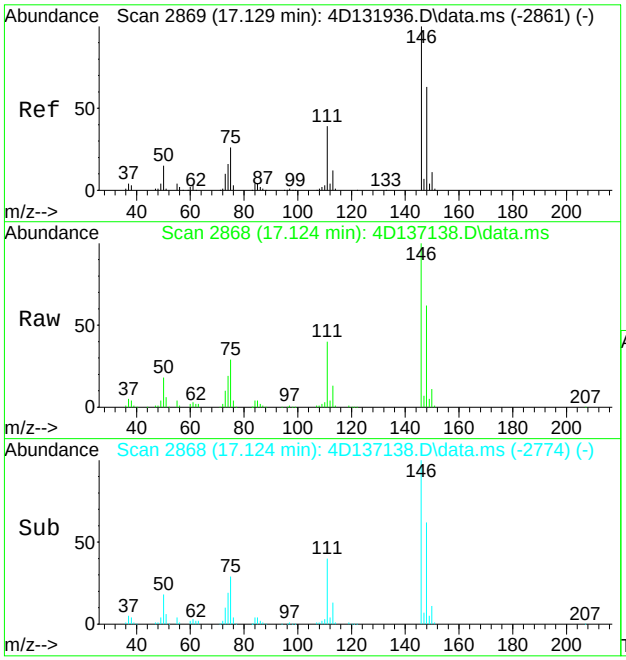


#108
sec-butylbenzene
Concen: 22.3455 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. 0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:105 Resp: 389938

Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	48.6
91	15.2	0.0	45.4

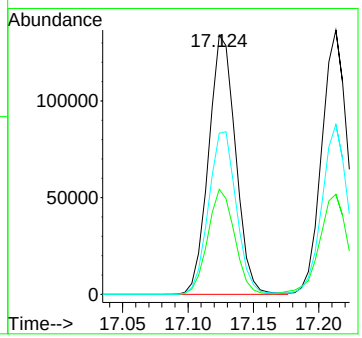


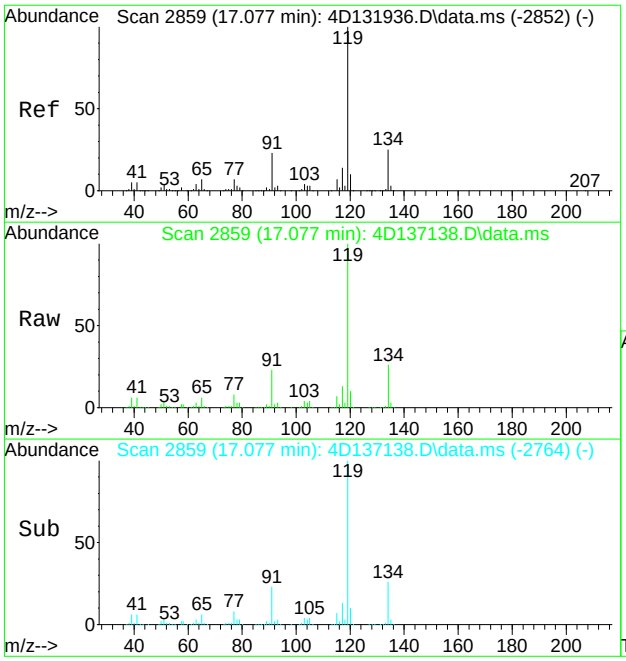


#109
1,3-dichlorobenzene
Concen: 21.9368 ug/L
RT: 17.124 min Scan# 2868
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:146 Resp: 193534

Ion	Ratio	Lower	Upper
146	100		
111	40.5	9.4	69.4
148	62.1	33.3	93.3

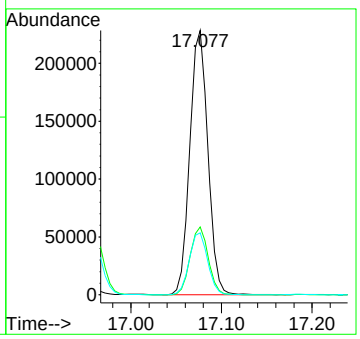


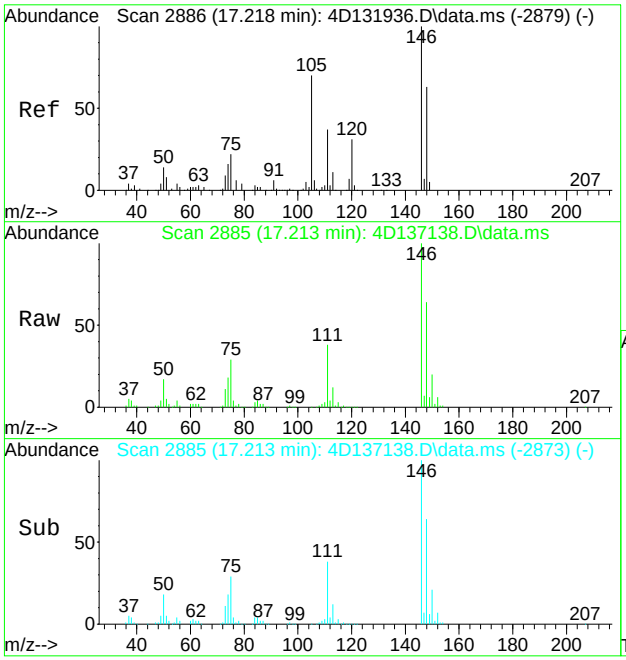


#110
p-isopropyltoluene
Concen: 21.8844 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. -0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:119 Resp: 316426

Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	55.5
91	23.5	0.0	53.2

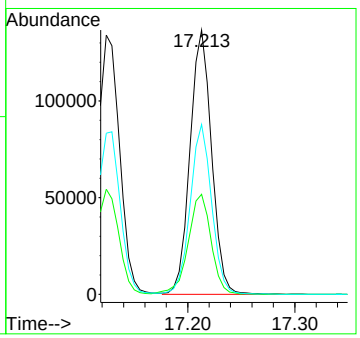


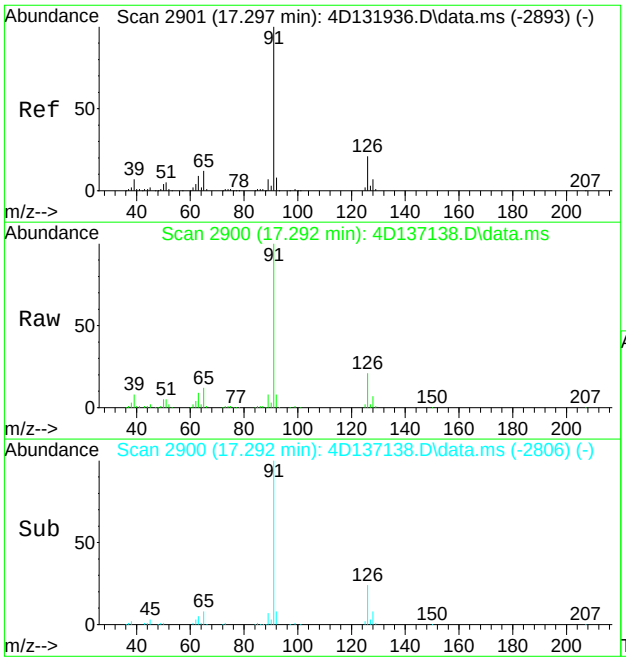


#111
1,4-dichlorobenzene
Concen: 22.5814 ug/L
RT: 17.213 min Scan# 2885
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:146 Resp: 191812

Ion	Ratio	Lower	Upper
146	100		
111	37.8	7.6	67.6
148	64.3	33.6	93.6

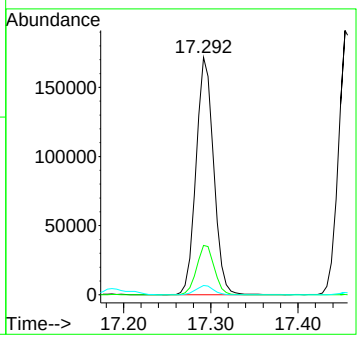


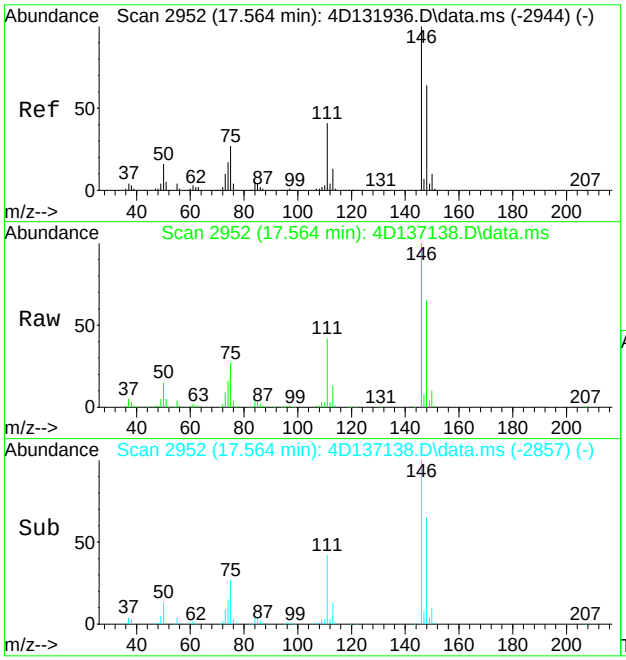


#113
benzyl chloride
Concen: 20.7828 ug/L
RT: 17.292 min Scan# 2900
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 91 Resp: 240050

Ion	Ratio	Lower	Upper
91	100		
126	20.8	0.0	51.2
62	3.9	0.0	34.2

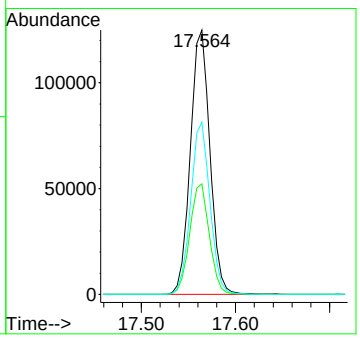


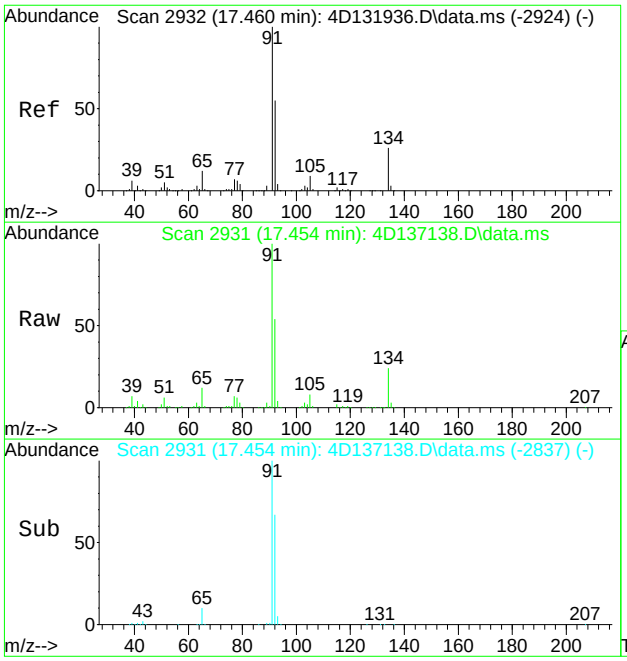


#114
1,2-dichlorobenzene
Concen: 21.7185 ug/L
RT: 17.564 min Scan# 2952
Delta R.T. 0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:146 Resp: 180793

Ion	Ratio	Lower	Upper
146	100		
111	41.7	11.4	71.4
148	65.0	33.6	93.6

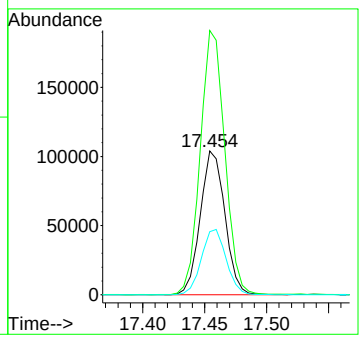


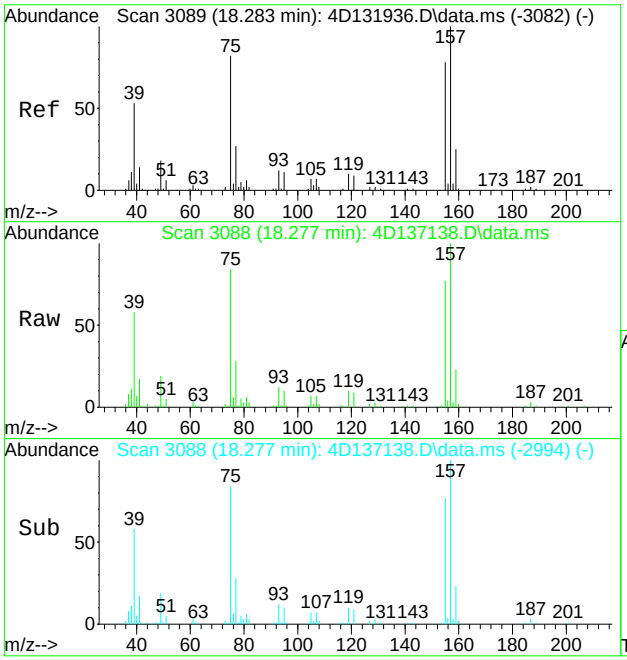


#115
n-butylbenzene
Concen: 22.6430 ug/L
RT: 17.454 min Scan# 2931
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion: 92 Resp: 144338

Ion	Ratio	Lower	Upper
92	100		
91	183.8	151.4	211.4
134	43.9	16.5	76.5

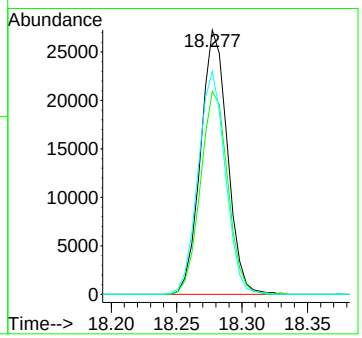


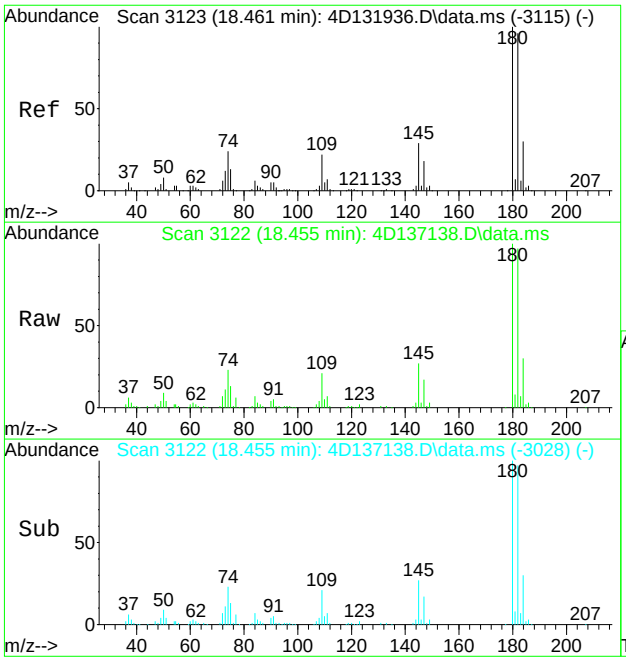


#116
1,2-dibromo-3-chloropropane
Concen: 20.9147 ug/L
RT: 18.277 min Scan# 3088
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:157 Resp: 38873

Ion	Ratio	Lower	Upper
157	100		
155	76.8	48.1	108.1
75	84.3	52.3	112.3

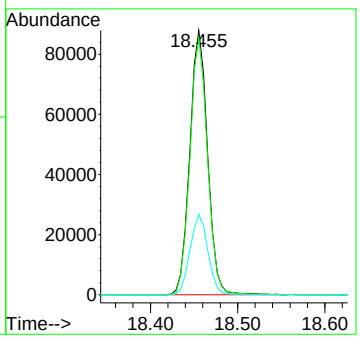


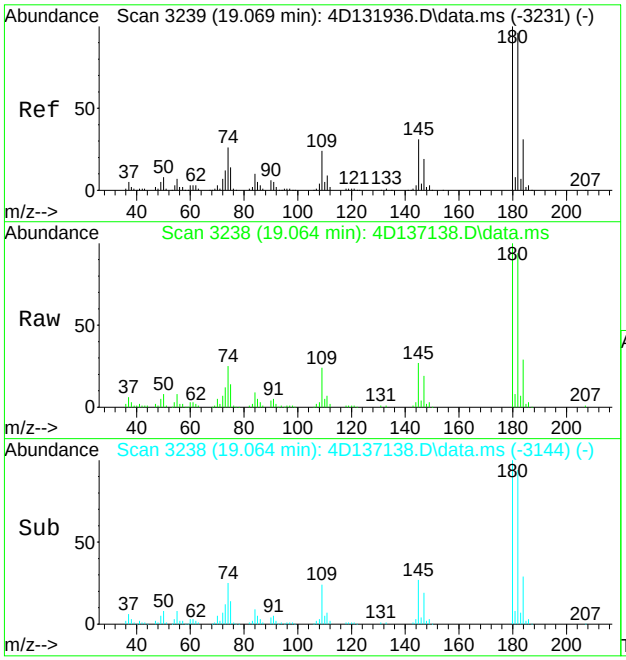


#117
1,3,5-trichlorobenzene
Concen: 24.2067 ug/L
RT: 18.455 min Scan# 3122
Delta R.T. -0.006 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:180 Resp: 124582

Ion	Ratio	Lower	Upper
180	100		
182	96.9	66.1	126.1
184	30.5	0.3	60.3

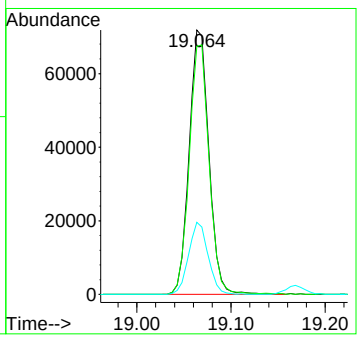


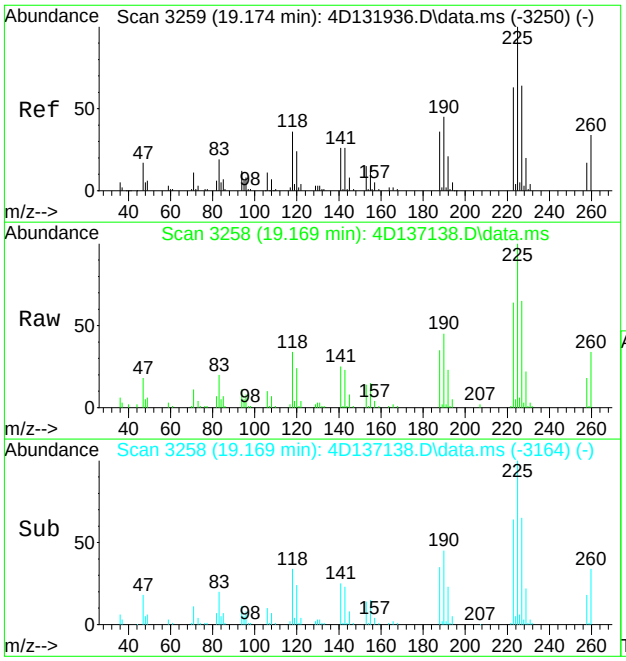


#118
1,2,4-trichlorobenzene
Concen: 23.3574 ug/L
RT: 19.064 min Scan# 3238
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:180 Resp: 104652

Ion	Ratio	Lower	Upper
180	100		
182	93.8	65.6	125.6
145	27.3	0.8	60.8

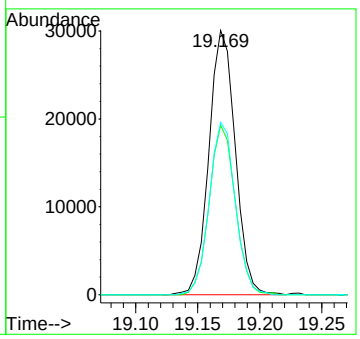


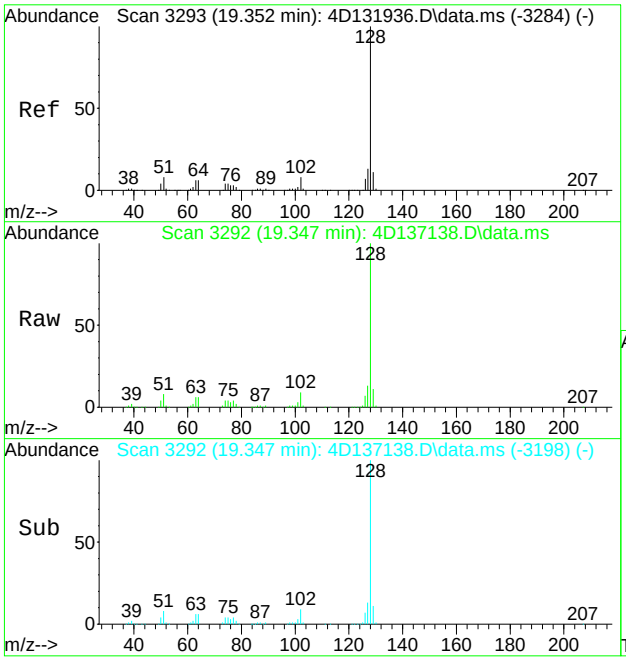


#119
hexachlorobutadiene
Concen: 25.4032 ug/L
RT: 19.169 min Scan# 3258
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:225 Resp: 44429

Ion	Ratio	Lower	Upper
225	100		
223	64.2	33.3	93.3
227	65.2	33.8	93.8

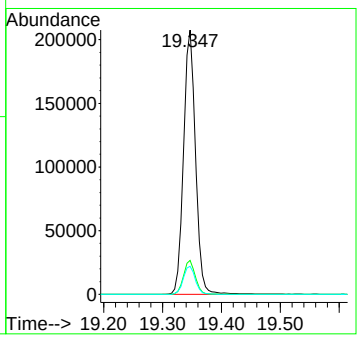


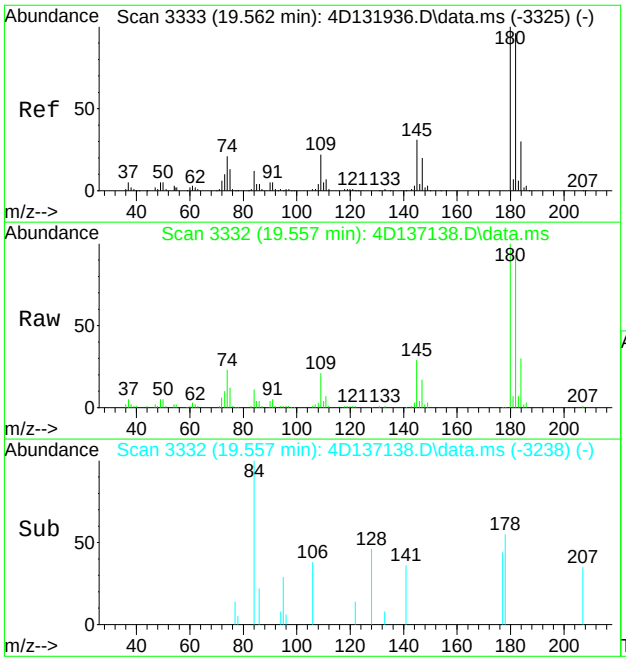


#120
naphthalene
Concen: 19.7517 ug/L
RT: 19.347 min Scan# 3292
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:128 Resp: 293751

Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	42.5
129	10.6	0.0	41.0

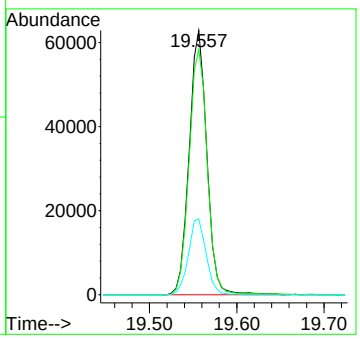


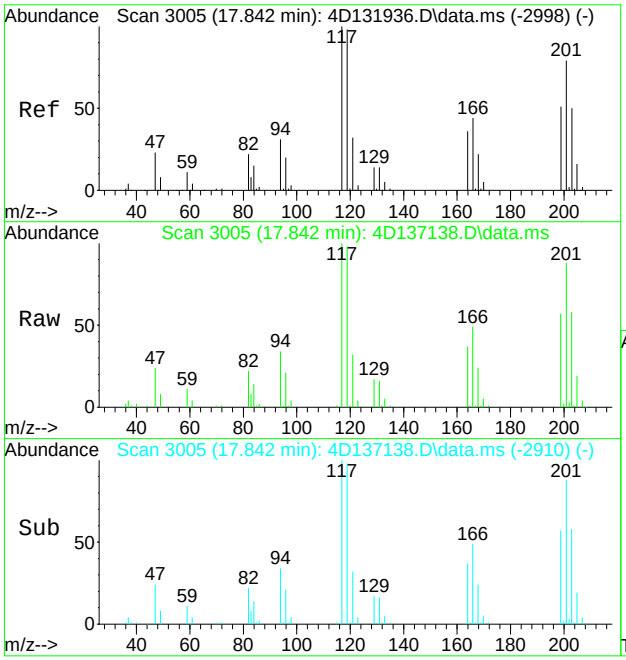


#121
1,2,3-trichlorobenzene
Concen: 22.1742 ug/L
RT: 19.557 min Scan# 3332
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:180 Resp: 88547

Ion	Ratio	Lower	Upper
180	100		
182	92.8	66.3	126.3
145	28.6	1.3	61.3

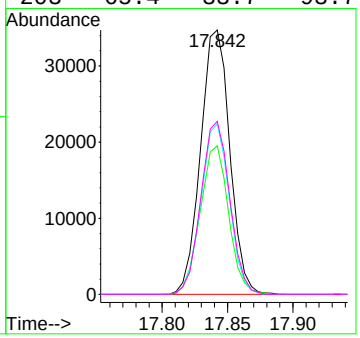


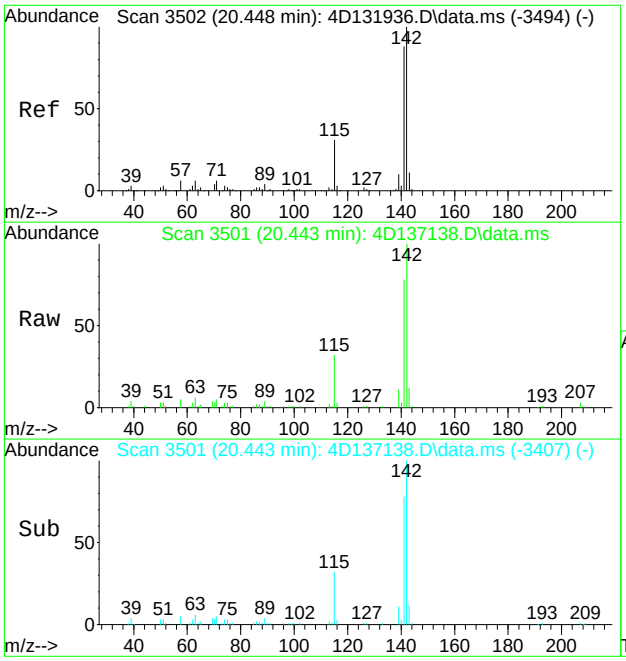


#122
hexachloroethane
Concen: 24.7909 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. 0.000 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:201 Resp: 54016

Ion	Ratio	Lower	Upper
201	100		
166	56.2	26.1	86.1
199	64.4	33.8	93.8
203	65.4	33.7	93.7

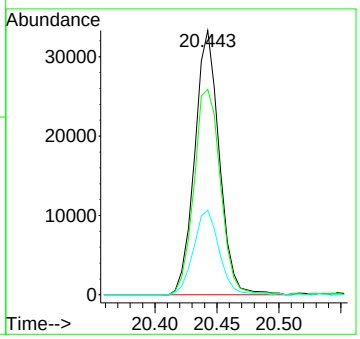




#123
2-methylnaphthalene
Concen: 7.2919 ug/L
RT: 20.443 min Scan# 3501
Delta R.T. -0.005 min
Lab File: 4D137138.D
Acq: 6 Jun 2024 6:10 pm

Tgt Ion:142 Resp: 46132

Ion	Ratio	Lower	Upper
142	100		
141	77.7	67.9	107.9
115	32.1	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137238.d
Acq On : 11 Jun 2024 2:46 pm
Operator : nickw
Sample : jd89699-4ms Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 19:37:47 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.814	65	685122	500.00	ug/L	-0.02
5) pentafluorobenzene	11.294	168	552607	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.201	114	946664	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	729066	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	306259	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.294	168	552607	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	306259	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.330	113	323680	54.87	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.74%			
52) 1,2-dichloroethane-d4 (s)	11.744	65	338907	48.77	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.54%			
74) toluene-d8 (s)	13.700	98	994326	51.50	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.00%			
97) 4-bromofluorobenzene (s)	16.117	95	347297	53.79	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.58%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.945	59	195365	90.0155	ug/L	97
3) ethanol	7.309	45	583326	2829.7574	ug/L	99
4) 1,4-dioxane	12.804	88	70172	512.9118	ug/L	94
7) dichlorodifluoromethane	4.734	85	127707	15.1898	ug/L	96
8) chloromethane	5.243	50	124399	13.5631	ug/L	99
9) vinyl chloride	5.495	62	112269	14.8044	ug/L	99
10) 1,3-butadiene	5.600	54	131986	21.9010	ug/L	95
11) bromomethane	6.281	94	73169	17.8624	ug/L	98
12) chloroethane	6.528	64	76586	17.5295	ug/L	97
13) trichlorofluoromethane	7.078	101	171702	19.0718	ug/L	99
14) ethyl ether	7.581	74	69254	22.2749	ug/L	91
15) acrolein	7.844	56	33203	17.9922	ug/L	94
16) freon 113	8.059	151	77744	19.1856	ug/L	96
17) 1,1-dichloroethene	8.074	96	94106	20.3909	ug/L	87
18) acetone	8.074	58	81857	59.9419	ug/L	99
19) acetonitrile	8.551	41	321800	237.6356	ug/L	97
20) iodomethane	8.357	142	138881	20.9816	ug/L	99
21) carbon disulfide	8.515	76	279597	19.4927	ug/L	97
22) methylene chloride	8.887	84	120016	19.5833	ug/L	90
23) methyl acetate	8.609	74	33893	23.6313	ug/L #	89
24) methyl tert butyl ether	9.275	73	357744	20.8178	ug/L	95
25) trans-1,2-dichloroethene	9.322	96	114957	22.0889	ug/L	94
26) di-isopropyl ether	9.941	45	423074	20.6682	ug/L	99
27) 2-butanone	10.659	72	105641	85.0743	ug/L	93
28) 1,1-dichloroethane	9.967	63	208550	19.8162	ug/L	96
29) chloroprene	10.072	53	173980	18.2429	ug/L	95
30) acrylonitrile	9.212	53	77278	21.6310	ug/L	98
31) hexane	9.721	56	72712	14.8365	ug/L	96
32) vinyl acetate	9.894	86	29739	24.8447	ug/L #	92
33) ethyl tert-butyl ether	10.444	59	384446	18.8673	ug/L	97
34) ethyl acetate	10.675	70	22577	19.1182	ug/L	86
35) 2,2-dichloropropane	10.759	77	163235	19.7936	ug/L	93
36) cis-1,2-dichloroethene	10.738	96	1068724	176.0176	ug/L	91
37) methyl acrylate	10.769	55	209846	19.3038	ug/L	96
38) propionitrile	10.743	54	313942	197.9062	ug/L	94
39) bromochloromethane	11.047	128	60160	19.8225	ug/L	99
40) tetrahydrofuran	11.068	72	28353	22.0930	ug/L	99
41) chloroform	11.136	85	134295	21.7675	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137238.d
Acq On : 11 Jun 2024 2:46 pm
Operator : nickw
Sample : jd89699-4ms Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 19:37:47 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	11.162	59	34913	13.1455	ug/L		97
44) methacrylonitrile	10.953	67	72645	21.2342	ug/L		96
45) 1,1,1-trichloroethane	11.398	97	168805	20.1921	ug/L		95
46) cyclohexane	11.503	84	136749	18.1538	ug/L	#	81
47) 1,1-dichloropropene	11.566	75	146867	20.8772	ug/L		98
48) isobutyl alcohol	11.529	74	14952	230.7171	ug/L	#	51
49) carbon tetrachloride	11.592	117	142629	19.8161	ug/L		98
50) tert amyl alcohol	11.681	55	60165	98.8681	ug/L		97
53) n-butyl alcohol	12.243	56	498184	1054.7459	ug/L		90
54) 2,2,4-trimethylpentane	11.896	57	268854	16.8159	ug/L		98
55) benzene	11.813	78	421970	20.1005	ug/L		100
56) tert-amyl methyl ether	11.881	87	76113	18.9923	ug/L		93
57) heptane	12.049	71	65829	18.9060	ug/L		93
58) isopropyl acetate	11.713	87	34397	21.5312	ug/L		95
59) 1,2-dichloroethane	11.834	62	149735	17.1963	ug/L		96
60) trichloroethene	12.494	130	583996	100.5435	ug/L		97
61) ethyl acrylate	12.468	55	206542	18.5020	ug/L		97
63) 2-chloroethyl vinyl ether	13.212	63	67147	20.7725	ug/L		98
64) methyl methacrylate	12.714	100	37361	18.6537	ug/L	#	86
65) 1,2-dichloropropane	12.762	63	113271	18.8704	ug/L		99
66) dibromomethane	12.866	93	73326	19.3940	ug/L		98
67) methylcyclohexane	12.772	83	149450	18.0335	ug/L		95
68) bromodichloromethane	13.003	83	146383	18.9422	ug/L		99
69) epichlorohydrin	13.296	57	108906	95.1131	ug/L		99
70) cis-1,3-dichloropropene	13.417	75	180833	19.6696	ug/L		98
71) 4-methyl-2-pentanone	13.501	58	269724	74.6705	ug/L	#	77
75) toluene	13.768	92	235963	19.3913	ug/L		98
76) trans-1,3-dichloropropene	13.931	75	157211	19.5931	ug/L		99
77) ethyl methacrylate	13.910	69	153832	19.4664	ug/L		98
78) 1,1,2-trichloroethane	14.135	83	87416	20.1666	ug/L		94
79) tetrachloroethene	14.272	164	81831	19.3488	ug/L		96
80) 1,3-dichloropropane	14.298	76	161327	21.1154	ug/L		96
81) 2-hexanone	14.266	58	279641	73.5062	ug/L	#	84
82) butyl acetate	14.329	56	99042	18.2998	ug/L	#	79
83) dibromochloromethane	14.523	129	111687	18.5108	ug/L		99
84) 1,2-dibromoethane	14.670	107	111138	20.1015	ug/L		99
85) n-butyl ether	15.032	57	411868	17.9948	ug/L		98
86) chlorobenzene	15.100	112	253578	18.9440	ug/L		97
87) 1,1,1,2-tetrachloroethane	15.152	131	90802	18.7902	ug/L		98
88) ethylbenzene	15.147	91	411283	18.8255	ug/L		99
89) m,p-xylene	15.252	106	317392	37.7661	ug/L		99
90) o-xylene	15.619	106	156833	19.0592	ug/L		98
91) styrene	15.630	104	250184	18.1122	ug/L		97
92) bromoform	15.850	173	85589	19.8646	ug/L		99
93) butyl acrylate	15.441	55	225568	17.4610	ug/L		98
94) isopropylbenzene	15.934	105	351978	18.4590	ug/L		99
95) cis-1,4-dichloro-2-butene	15.965	88	20315	8.0826	ug/L		93
98) bromobenzene	16.295	156	104066	20.2038	ug/L		94
99) 1,1,2,2-tetrachloroethane	16.185	83	144080	21.1160	ug/L		96
100) trans-1,4-dichloro-2-b...	16.206	53	20849	10.0404	ug/L		96
101) 1,2,3-trichloropropane	16.264	110	38313	20.9421	ug/L		95
102) n-propylbenzene	16.306	91	421543	19.6117	ug/L		99
103) 2-chlorotoluene	16.437	126	90816	19.6027	ug/L		97
104) 4-chlorotoluene	16.537	91	274204	19.4069	ug/L		98
105) 1,3,5-trimethylbenzene	16.447	105	282660	18.6726	ug/L		98
106) tert-butylbenzene	16.757	134	53056	18.8882	ug/L		96
107) 1,2,4-trimethylbenzene	16.804	105	287044	18.8153	ug/L		99
108) sec-butylbenzene	16.956	105	328004	18.6369	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137238.d
Acq On : 11 Jun 2024 2:46 pm
Operator : nickw
Sample : jd89699-4ms Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 19:37:47 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

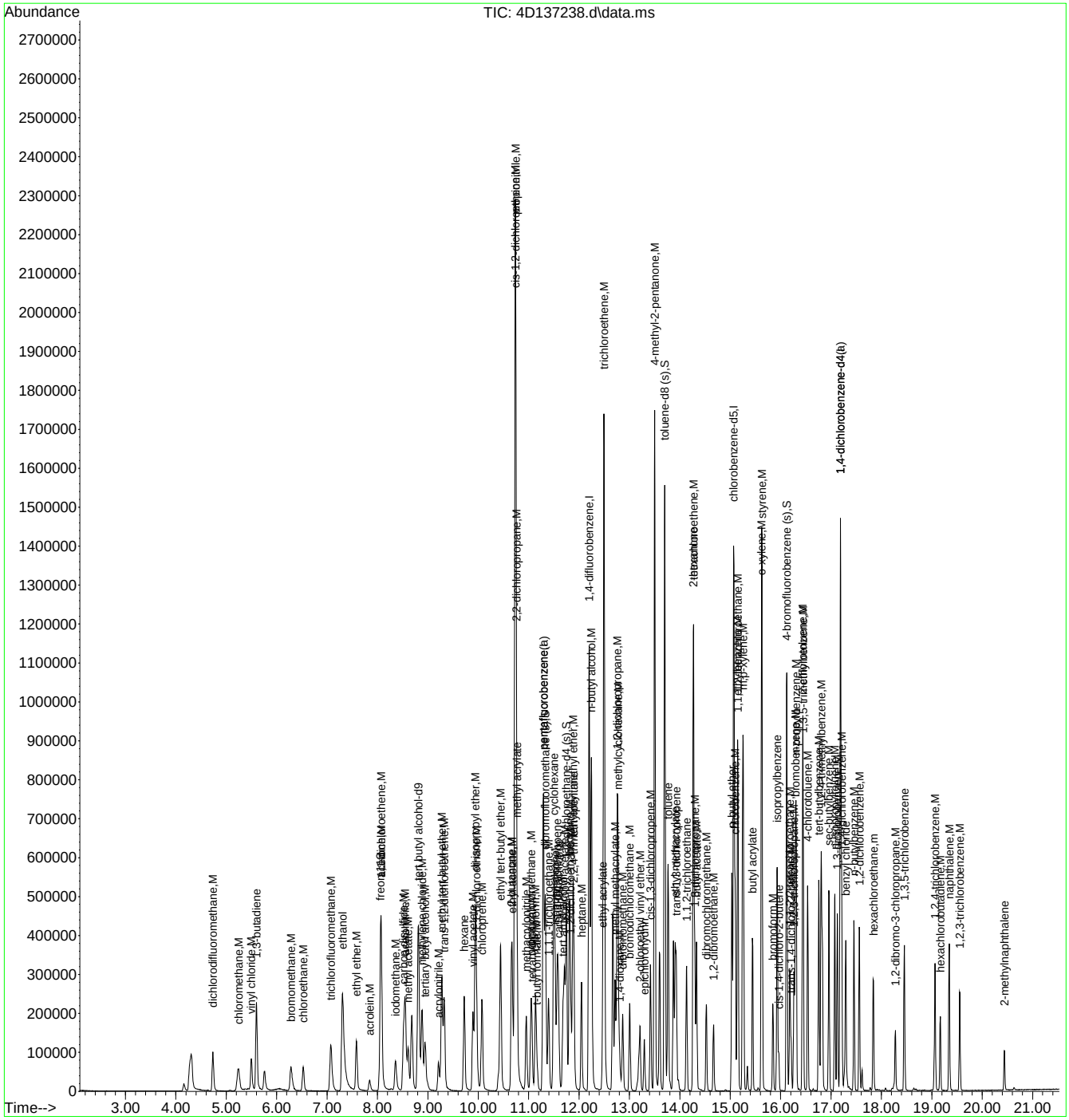
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	17.124	146	169646	19.0659	ug/L	98
110) p-isopropyltoluene	17.077	119	267863	18.3685	ug/L	99
111) 1,4-dichlorobenzene	17.213	146	166482	19.4331	ug/L	100
113) benzyl chloride	17.292	91	238798	20.4990	ug/L	100
114) 1,2-dichlorobenzene	17.564	146	159735	19.0260	ug/L	99
115) n-butylbenzene	17.454	92	121847	18.9525	ug/L	98
116) 1,2-dibromo-3-chloropr...	18.277	157	37615	20.0661	ug/L	98
117) 1,3,5-trichlorobenzene	18.456	180	108282	20.8610	ug/L	98
118) 1,2,4-trichlorobenzene	19.064	180	90963	20.1299	ug/L	97
119) hexachlorobutadiene	19.169	225	36786	20.8547	ug/L	98
120) naphthalene	19.347	128	267157	17.8111	ug/L	99
121) 1,2,3-trichlorobenzene	19.557	180	77797	19.3168	ug/L	97
122) hexachloroethane	17.842	201	48223	21.9444	ug/L	97
123) 2-methylnaphthalene	20.443	142	45164	7.0783	ug/L	96

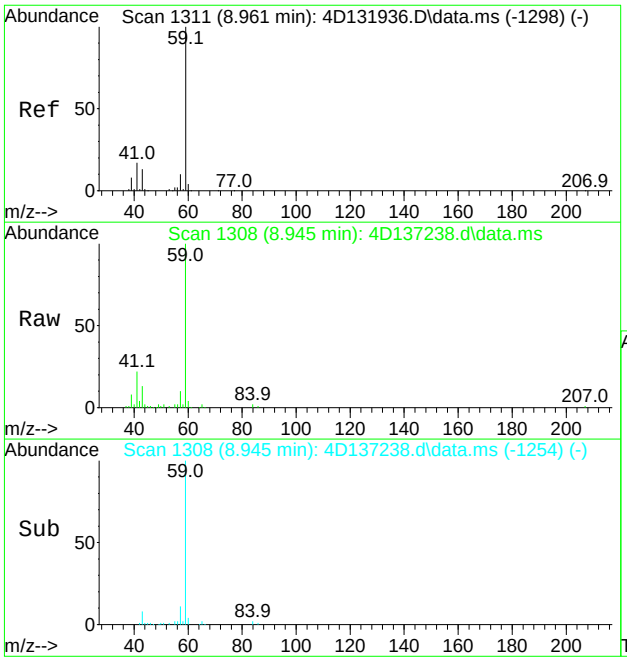
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137238.d
Acq On : 11 Jun 2024 2:46 pm
Operator : nickw
Sample : jd89699-4ms Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 19:37:47 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

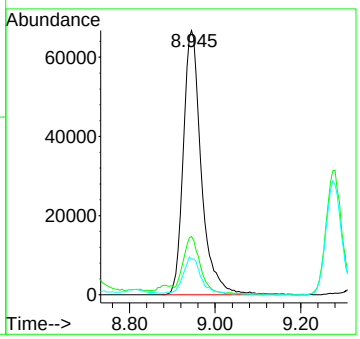


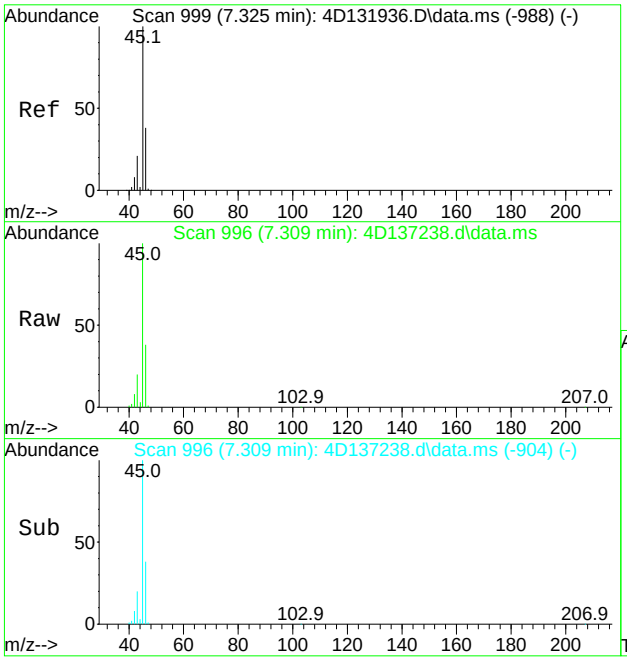


#2
tertiary butyl alcohol
Concen: 90.0155 ug/L
RT: 8.945 min Scan# 1308
Delta R.T. -0.016 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 59 Resp: 195365

Ion	Ratio	Lower	Upper
59	100		
41	21.8	0.0	49.8
43	13.5	0.0	43.7

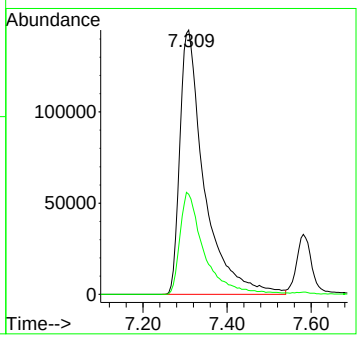


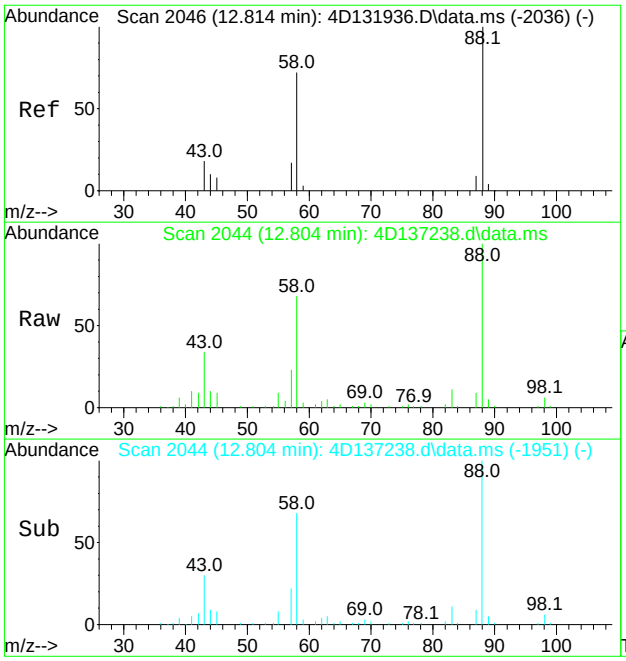


#3
ethanol
Concen: 2829.7574 ug/L
RT: 7.309 min Scan# 996
Delta R.T. -0.016 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 45 Resp: 583326

Ion	Ratio	Lower	Upper
45	100		
46	37.9	8.2	68.2

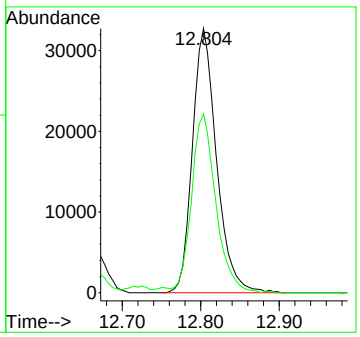


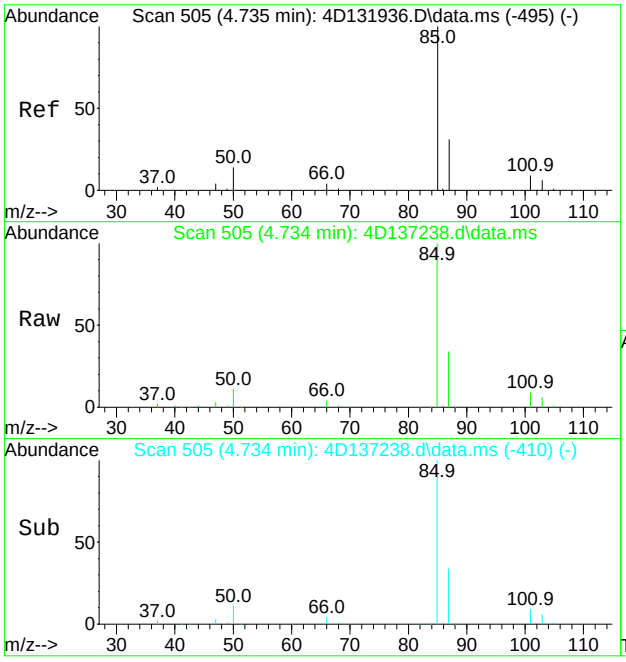


#4
1,4-dioxane
Concen: 512.9118 ug/L
RT: 12.804 min Scan# 2044
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 88 Resp: 70172

Ion	Ratio	Lower	Upper
88	100		
58	67.7	43.1	103.1

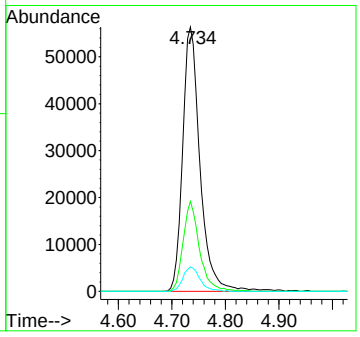


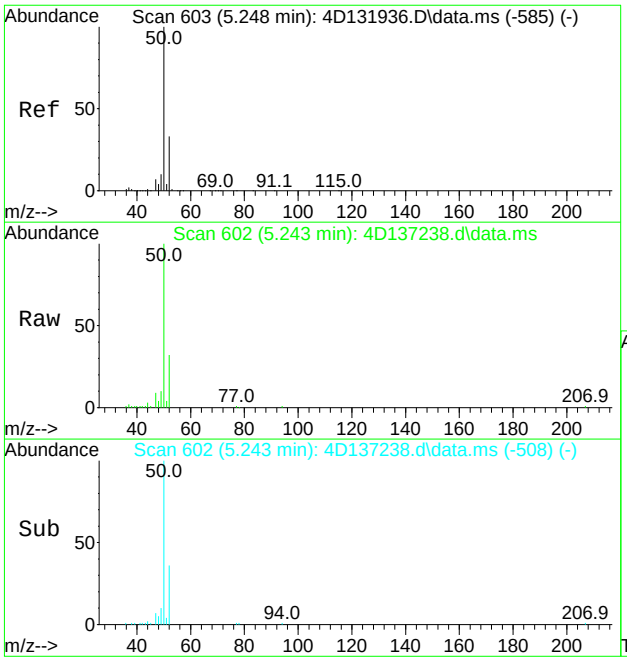


#7
dichlorodifluoromethane
Concen: 15.1898 ug/L
RT: 4.734 min Scan# 505
Delta R.T. -0.001 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 85 Resp: 127707

Ion	Ratio	Lower	Upper
85	100		
87	34.0	1.4	61.4
101	9.2	0.0	39.3

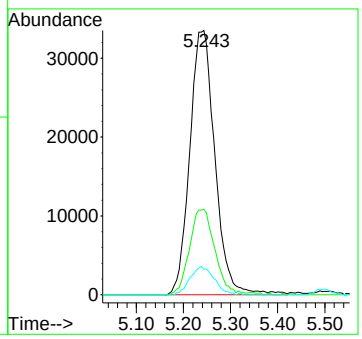


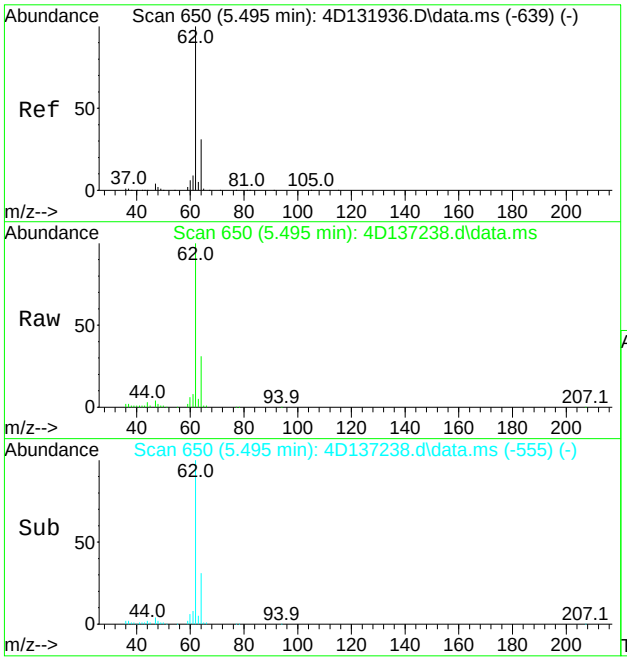


#8
chloromethane
Concen: 13.5631 ug/L
RT: 5.243 min Scan# 602
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 50 Resp: 124399

Ion	Ratio	Lower	Upper
50	100		
52	32.3	2.8	62.8
49	9.6	0.0	40.0

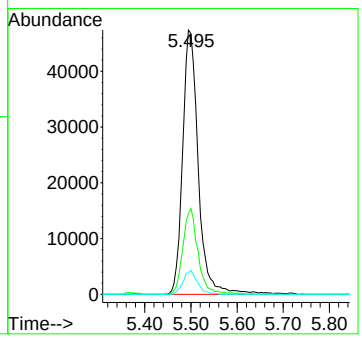


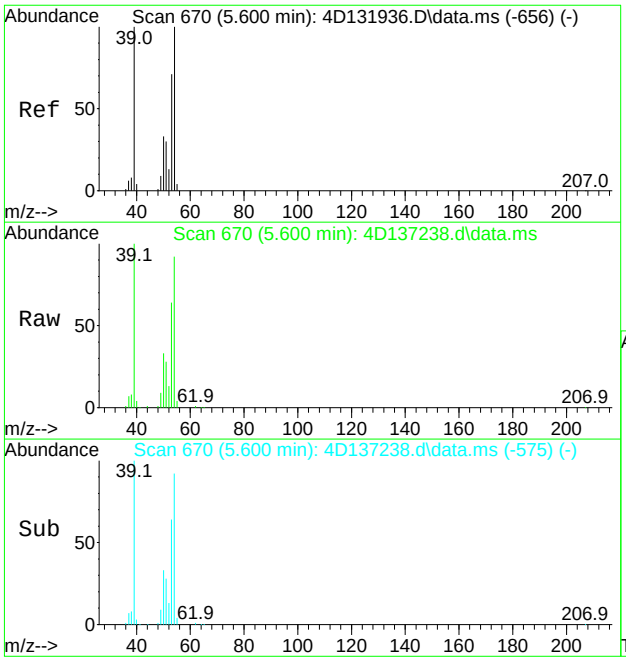


#9
vinyl chloride
Concen: 14.8044 ug/L
RT: 5.495 min Scan# 650
Delta R.T. -0.000 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 62 Resp: 112269

Ion	Ratio	Lower	Upper
62	100		
64	30.6	1.2	61.2
61	8.2	0.0	38.7

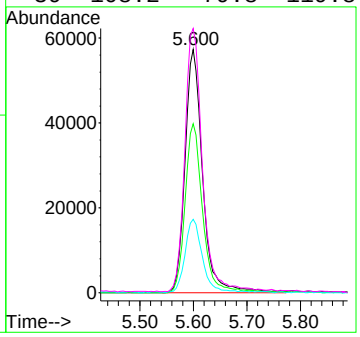


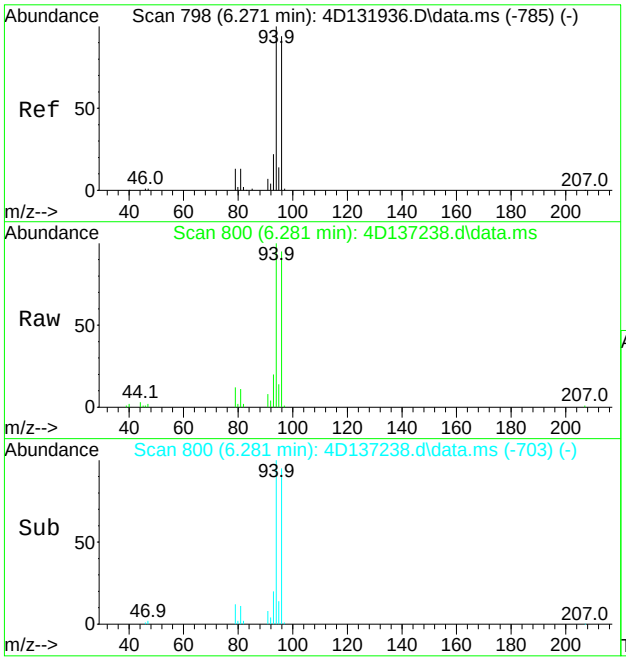


#10
1,3-butadiene
Concen: 21.9010 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 54 Resp: 131986

Ion	Ratio	Lower	Upper
54	100		
53	69.5	41.0	101.0
51	30.2	0.0	59.6
39	108.2	79.8	119.8

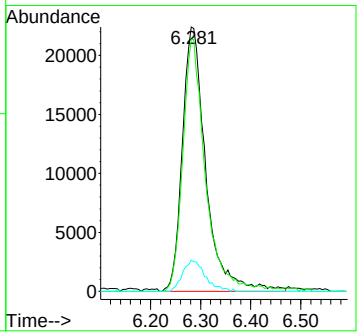


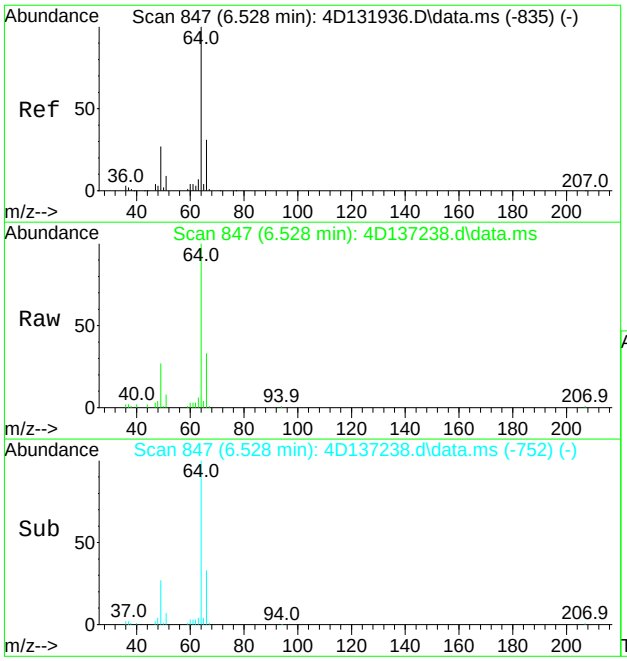


#11
bromomethane
Concen: 17.8624 ug/L
RT: 6.281 min Scan# 800
Delta R.T. 0.010 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 94 Resp: 73169

Ion	Ratio	Lower	Upper
94	100		
96	95.3	63.6	123.6
79	11.8	0.0	43.4

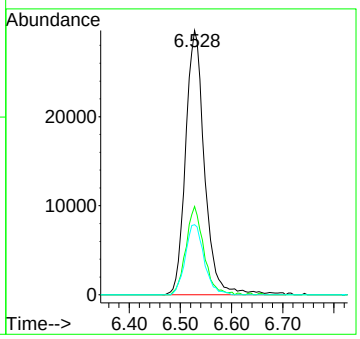


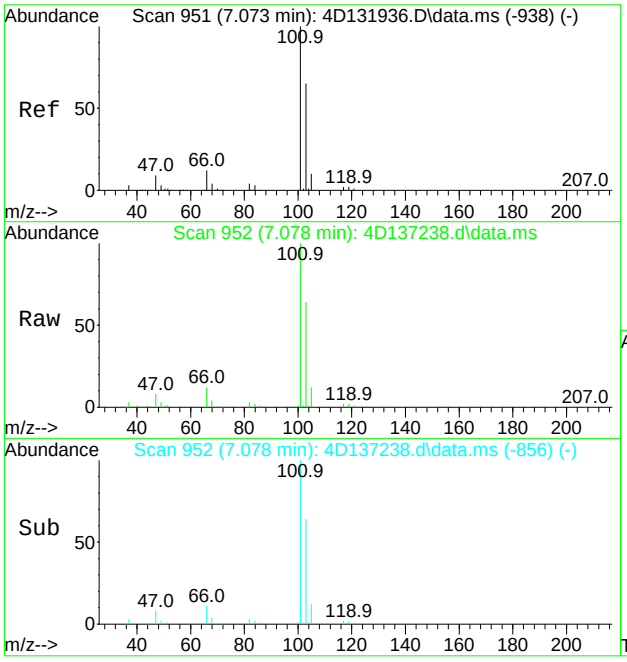


#12
chloroethane
Concen: 17.5295 ug/L
RT: 6.528 min Scan# 847
Delta R.T. -0.000 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 64 Resp: 76586

Ion	Ratio	Lower	Upper
64	100		
66	33.4	1.2	61.2
49	26.6	0.0	57.3

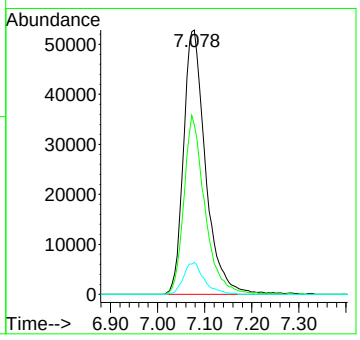


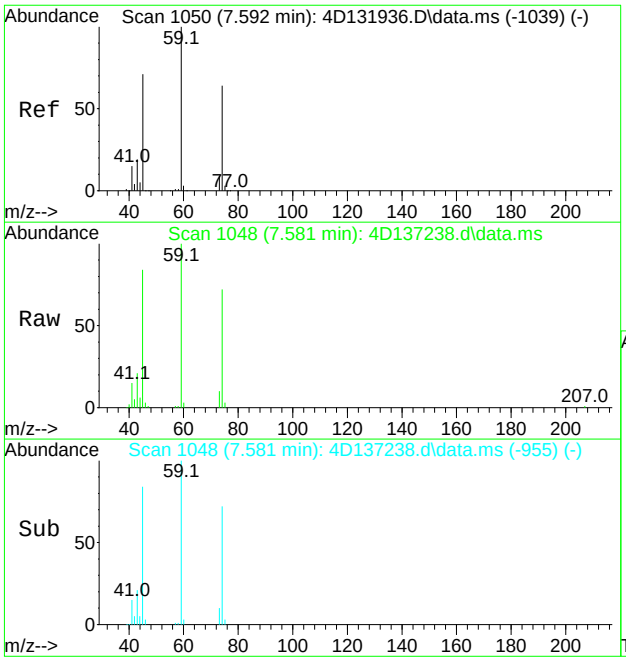


#13
trichlorofluoromethane
Concen: 19.0718 ug/L
RT: 7.078 min Scan# 952
Delta R.T. 0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:101 Resp: 171702

Ion	Ratio	Lower	Upper
101	100		
103	64.2	35.1	95.1
66	12.1	0.0	42.2

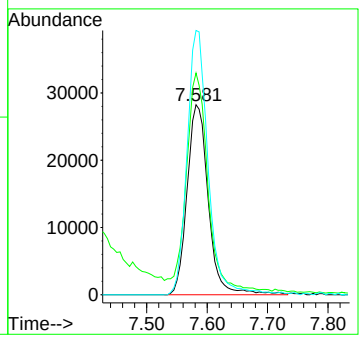


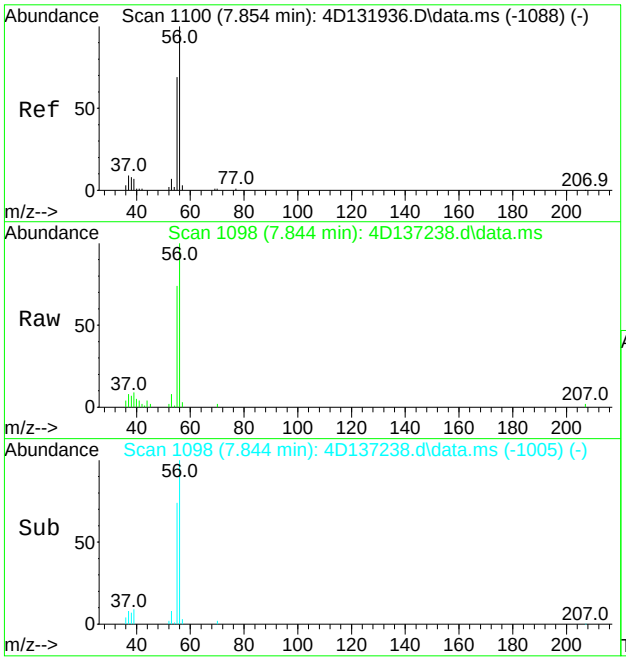


#14
ethyl ether
Concen: 22.2749 ug/L
RT: 7.581 min Scan# 1048
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 74 Resp: 69254

Ion	Ratio	Lower	Upper
74	100		
45	115.1	89.0	149.0
59	139.2	125.8	185.8

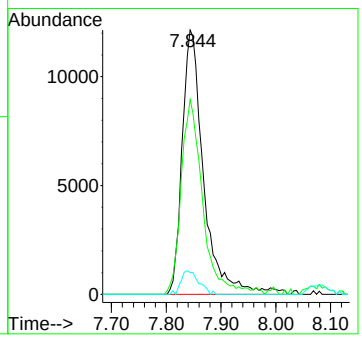


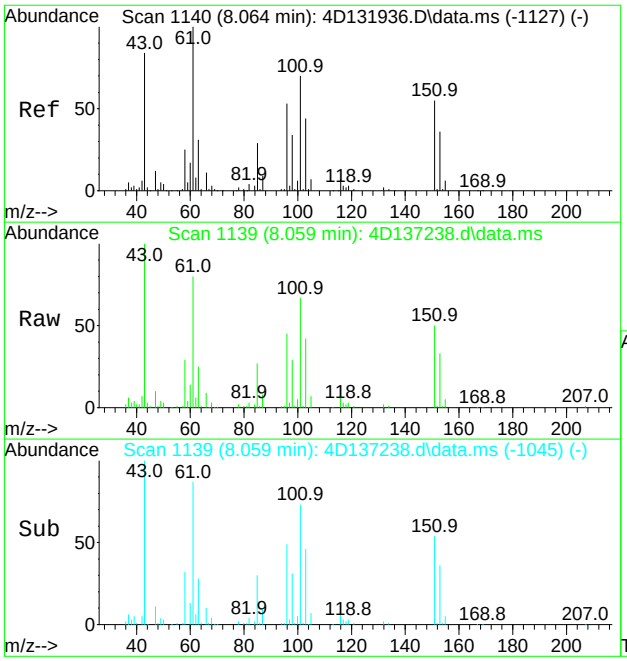


#15
acrolein
Concen: 17.9922 ug/L
RT: 7.844 min Scan# 1098
Delta R.T. -0.010 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 56 Resp: 33203

Ion	Ratio	Lower	Upper
56	100		
55	73.7	38.7	98.7
53	8.3	0.0	37.5

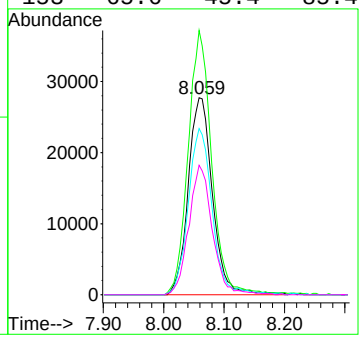


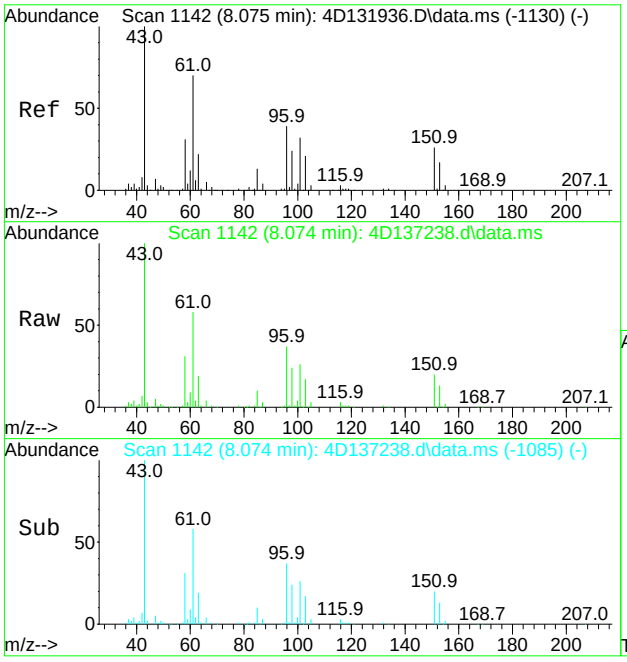


#16
freon 113
Concen: 19.1856 ug/L
RT: 8.059 min Scan# 1139
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:151 Resp: 77744

Ion	Ratio	Lower	Upper
151	100		
101	134.1	107.6	147.6
103	84.3	61.2	101.2
153	65.6	45.4	85.4

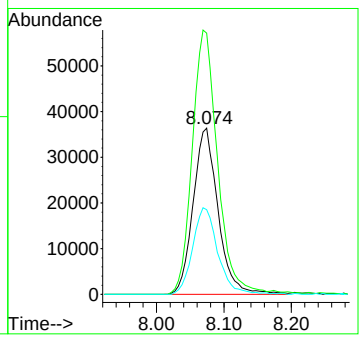


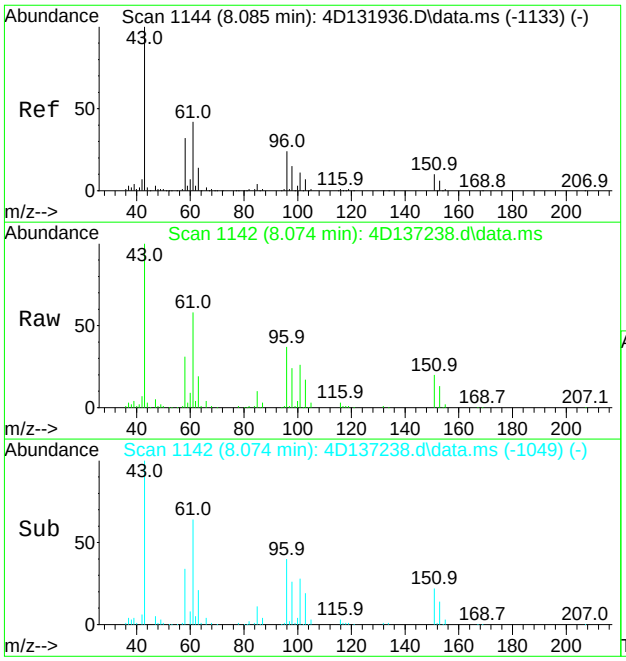


#17
1,1-dichloroethene
Concen: 20.3909 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.001 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 96 Resp: 94106

Ion	Ratio	Lower	Upper
96	100		
61	157.2	149.0	209.0
63	51.1	26.1	86.1

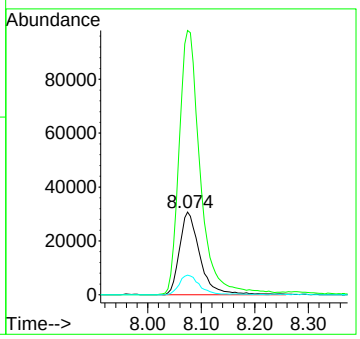


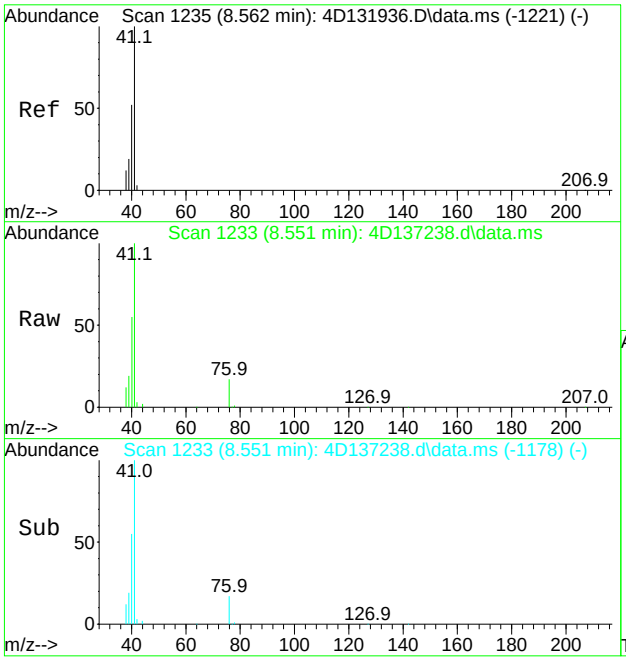


#18
acetone
Concen: 59.9419 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 58 Resp: 81857

Ion	Ratio	Lower	Upper
58	100		
43	318.1	285.1	345.1
42	23.6	0.0	53.5

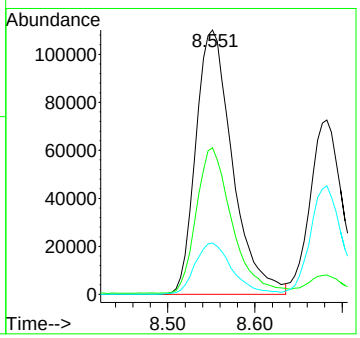


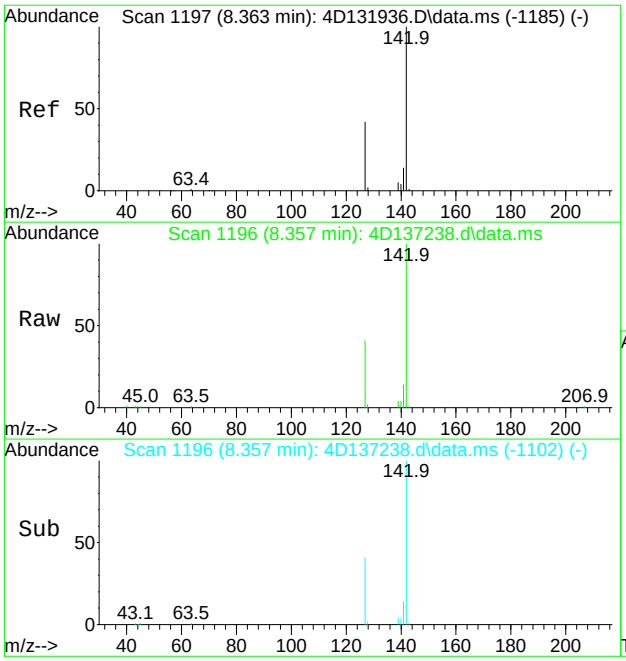


#19
acetonitrile
Concen: 237.6356 ug/L
RT: 8.551 min Scan# 1233
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 41 Resp: 321800

Ion	Ratio	Lower	Upper
41	100		
40	54.9	22.4	82.4
39	19.3	0.0	49.2

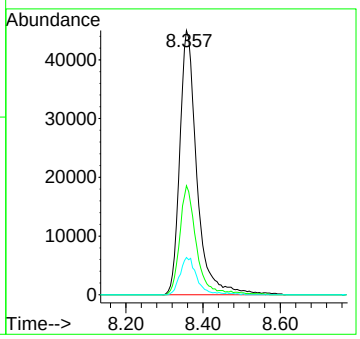


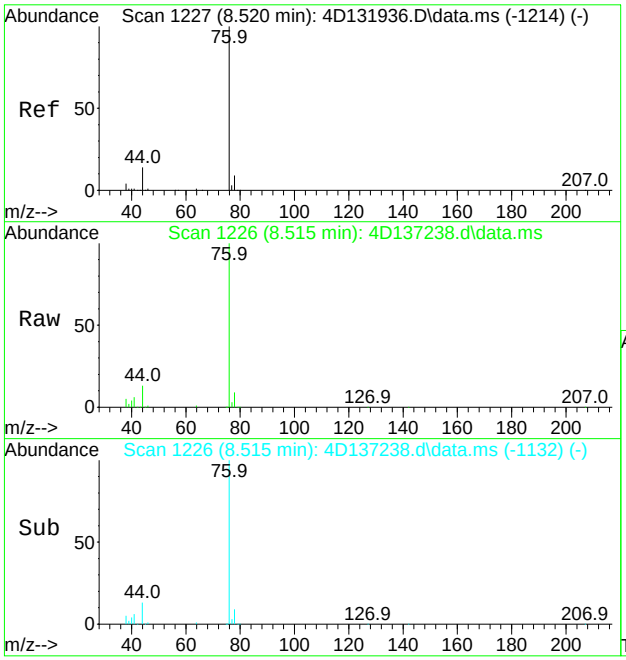


#20
iodomethane
Concen: 20.9816 ug/L
RT: 8.357 min Scan# 1196
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:142 Resp: 138881

Ion	Ratio	Lower	Upper
142	100		
127	41.3	11.7	71.7
141	14.1	0.0	44.4

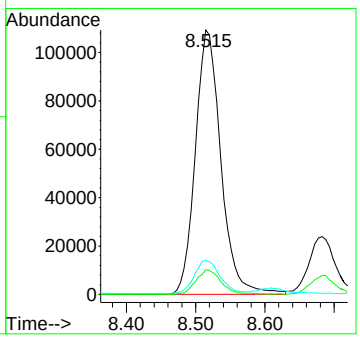


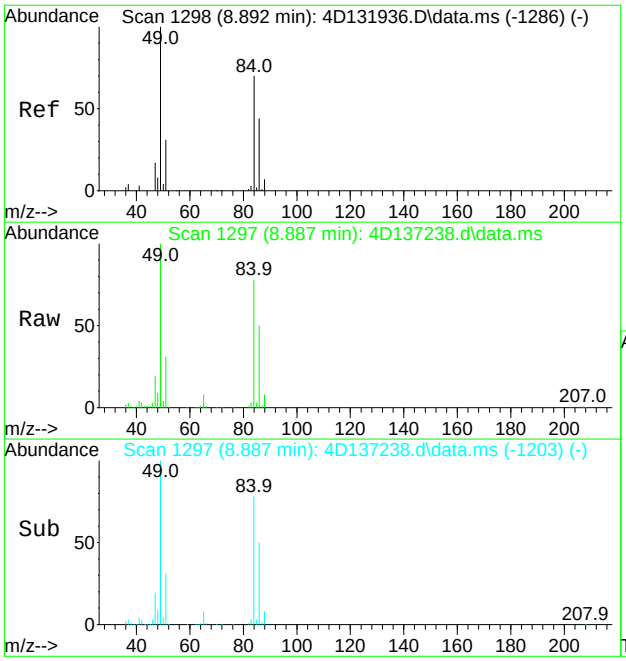


#21
carbon disulfide
Concen: 19.4927 ug/L
RT: 8.515 min Scan# 1226
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 76 Resp: 279597

Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	39.2
44	12.6	0.0	44.4

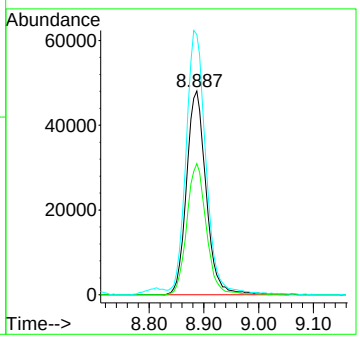


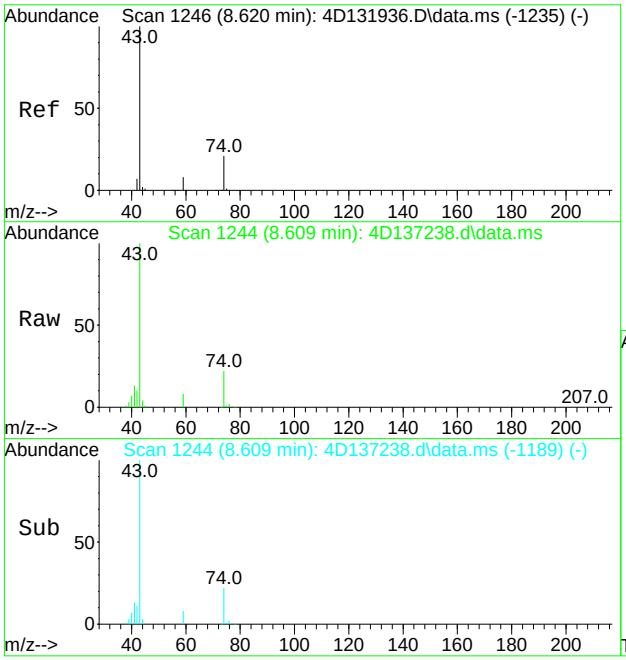


#22
methylene chloride
Concen: 19.5833 ug/L
RT: 8.887 min Scan# 1297
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 84 Resp: 120016

Ion	Ratio	Lower	Upper
84	100		
86	64.4	33.7	93.7
49	127.2	114.9	174.9

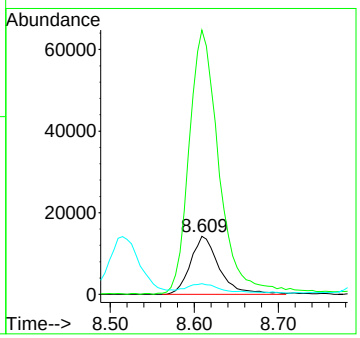


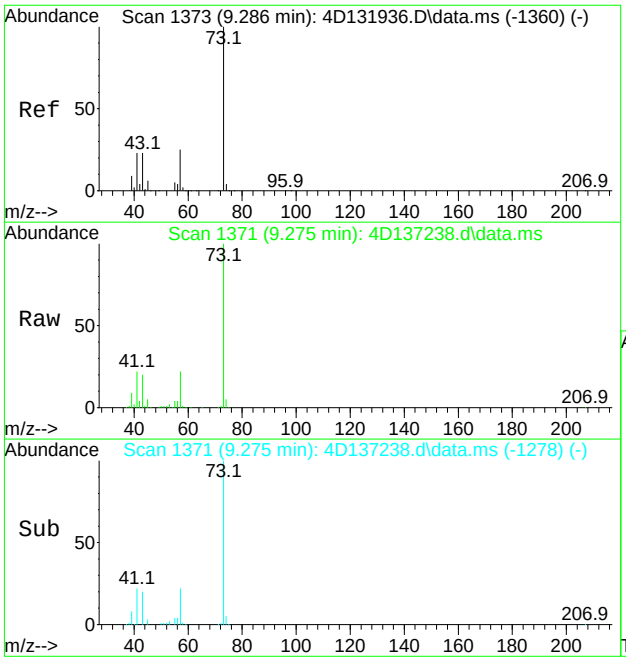


#23
methyl acetate
Concen: 23.6313 ug/L
RT: 8.609 min Scan# 1244
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 74 Resp: 33893

Ion	Ratio	Lower	Upper
74	100		
43	452.3	453.1	513.1#
44	15.9	0.0	45.1

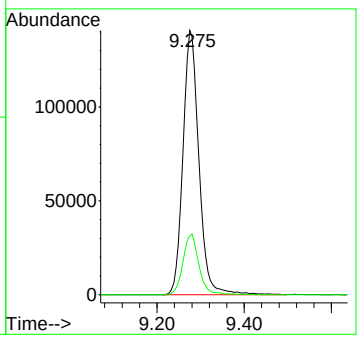


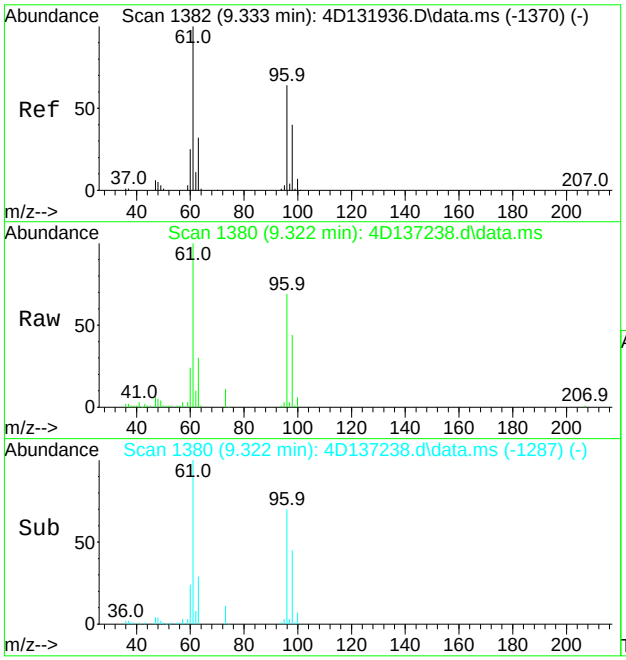


#24
methyl tert butyl ether
Concen: 20.8178 ug/L
RT: 9.275 min Scan# 1371
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 73 Resp: 357744

Ion	Ratio	Lower	Upper
73	100		
57	22.2	0.0	224.6

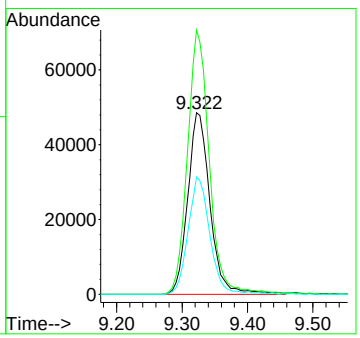


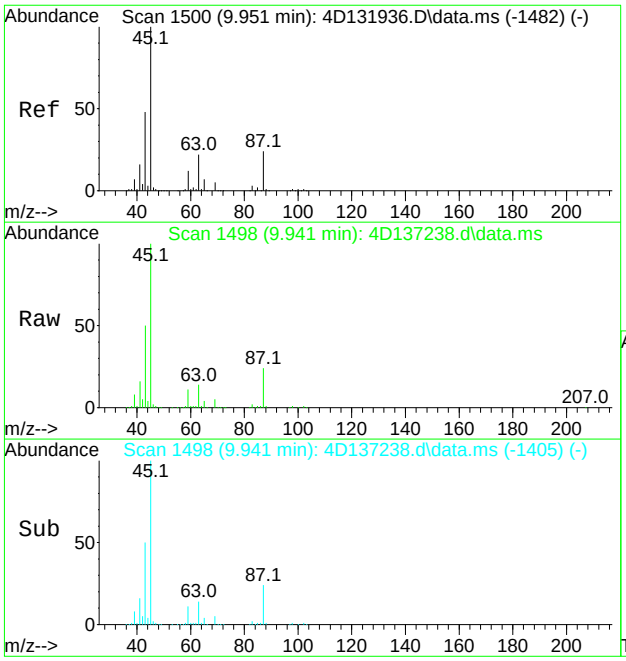


#25
trans-1,2-dichloroethene
Concen: 22.0889 ug/L
RT: 9.322 min Scan# 1380
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 96 Resp: 114957

Ion	Ratio	Lower	Upper
96	100		
61	145.5	126.5	186.5
98	64.6	33.3	93.3

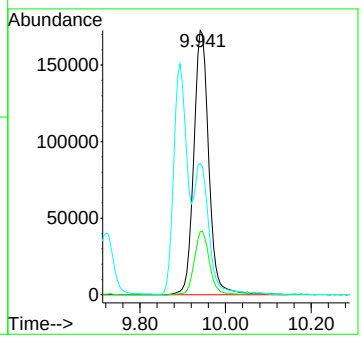


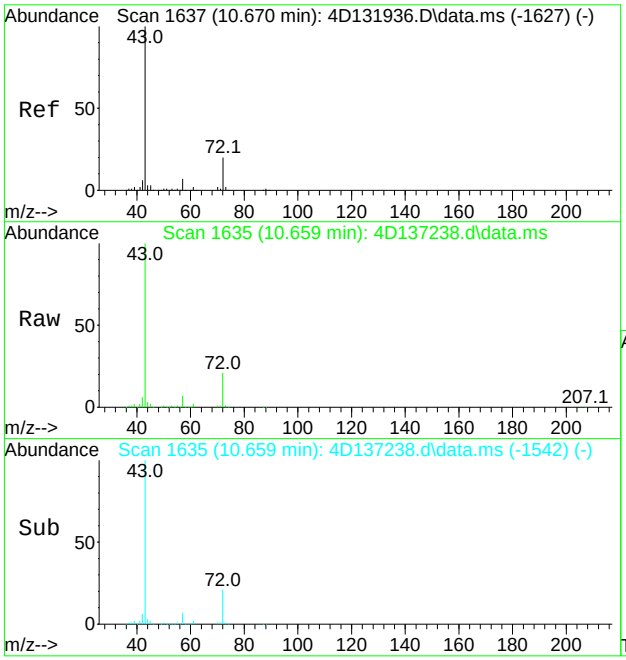


#26
di-isopropyl ether
Concen: 20.6682 ug/L
RT: 9.941 min Scan# 1498
Delta R.T. -0.010 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 45 Resp: 423074

Ion	Ratio	Lower	Upper
45	100		
87	23.9	0.0	54.4
43	49.5	18.8	78.8

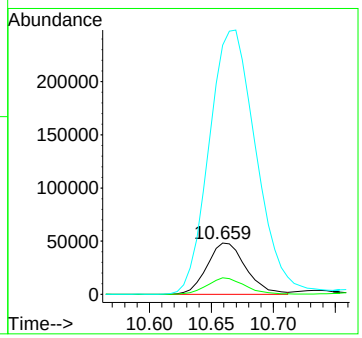


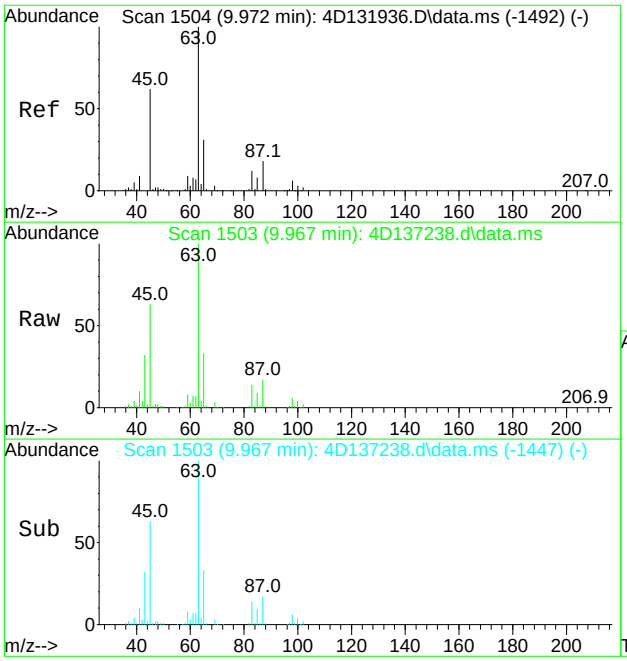


#27
2-butanone
Concen: 85.0743 ug/L
RT: 10.659 min Scan# 1635
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 72 Resp: 105641

Ion	Ratio	Lower	Upper
72	100		
57	32.4	3.7	63.7
43	486.1	475.8	535.8

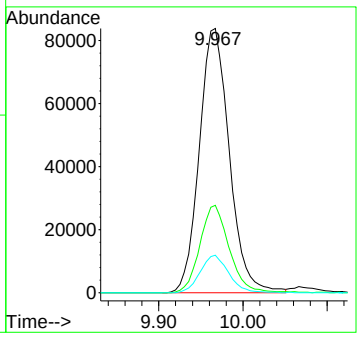


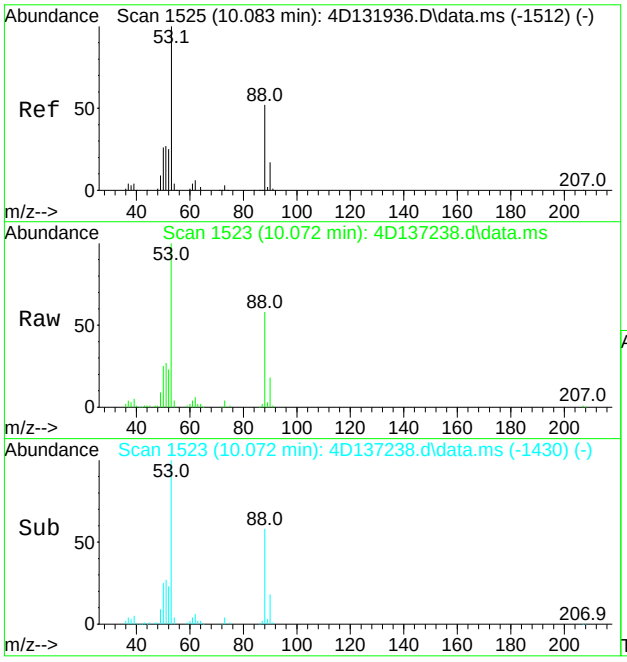


#28
1,1-dichloroethane
Concen: 19.8162 ug/L
RT: 9.967 min Scan# 1503
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 63 Resp: 208550

Ion	Ratio	Lower	Upper
63	100		
65	33.1	0.9	60.9
83	14.2	0.0	42.3

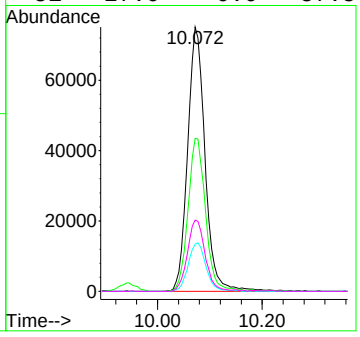


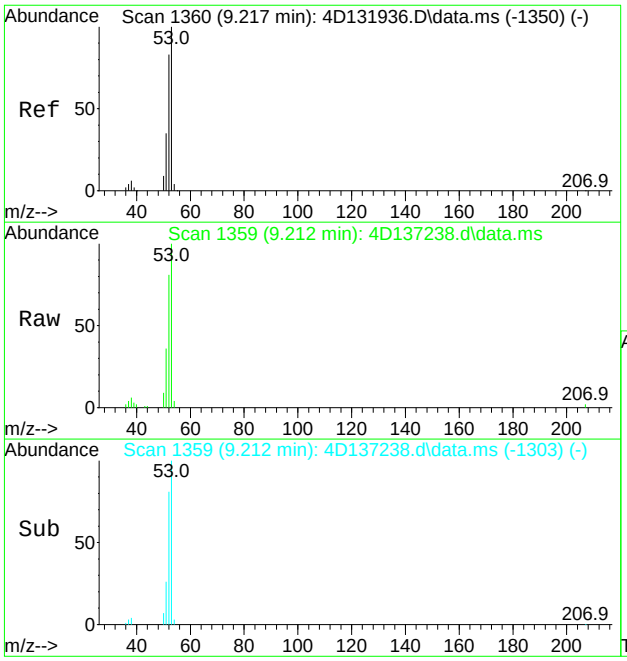


#29
chloroprene
Concen: 18.2429 ug/L
RT: 10.072 min Scan# 1523
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 53 Resp: 173980

Ion	Ratio	Lower	Upper
53	100		
88	57.9	21.8	81.8
90	17.9	0.0	47.2
51	27.0	0.0	57.5

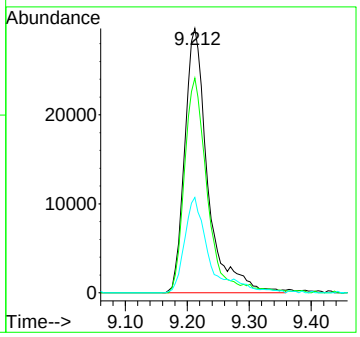


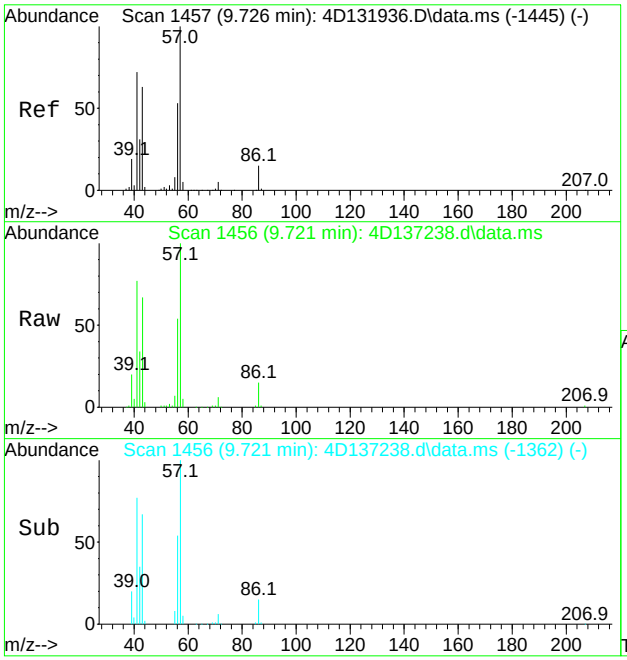


#30
acrylonitrile
Concen: 21.6310 ug/L
RT: 9.212 min Scan# 1359
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 53 Resp: 77278

Ion	Ratio	Lower	Upper
53	100		
52	81.2	53.4	113.4
51	36.1	5.0	65.0

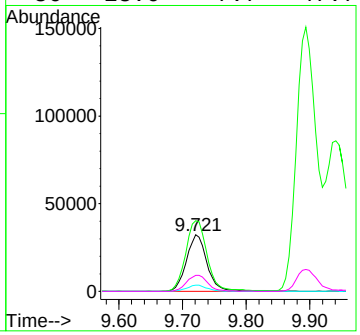


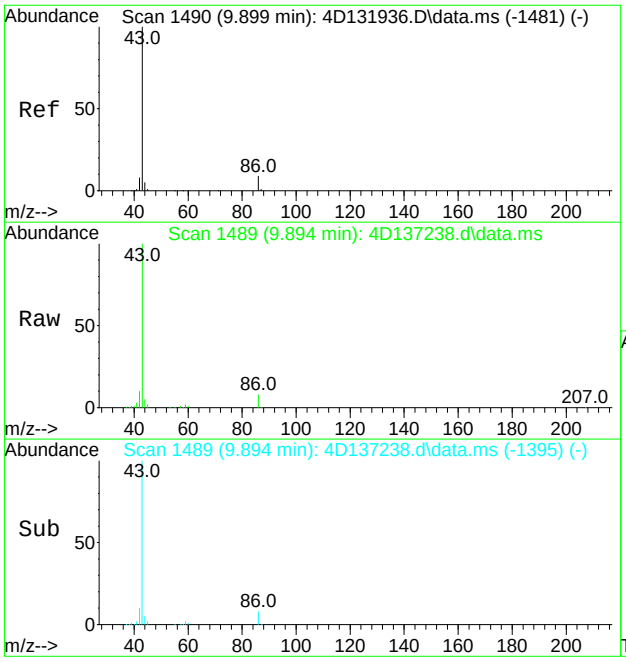


#31
hexane
Concen: 14.8365 ug/L
RT: 9.721 min Scan# 1456
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 56 Resp: 72712

Ion	Ratio	Lower	Upper
56	100		
43	124.4	98.5	138.5
71	11.0	0.0	30.3
86	28.6	7.7	47.7

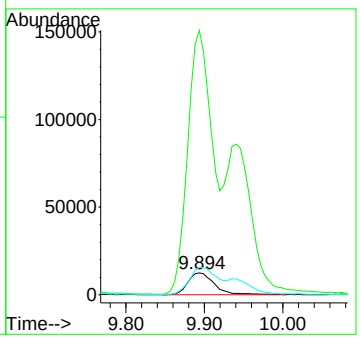


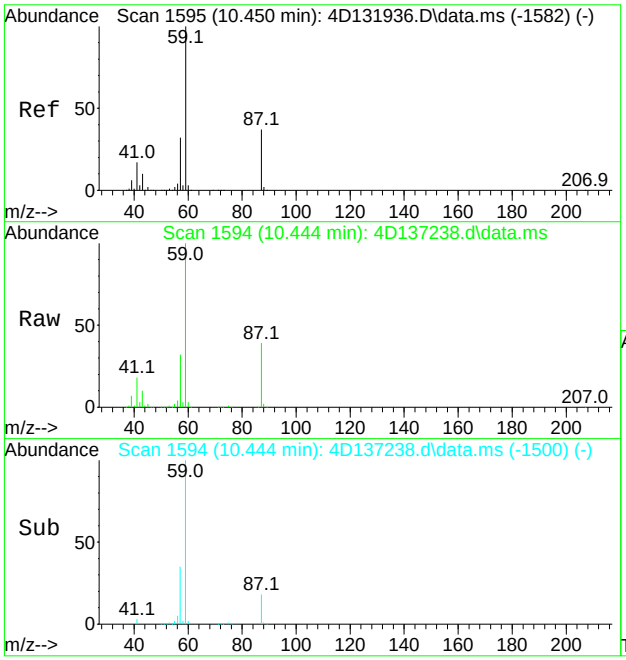


#32
vinyl acetate
Concen: 24.8447 ug/L
RT: 9.894 min Scan# 1489
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 86 Resp: 29739

Ion	Ratio	Lower	Upper
86	100		
43	1204.0	1142.7	1202.7#
42	123.3	69.4	129.4

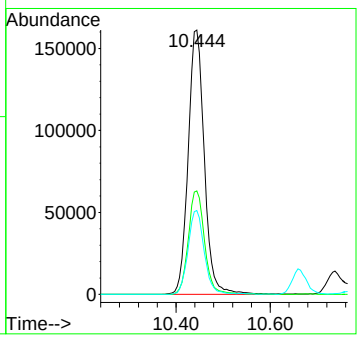


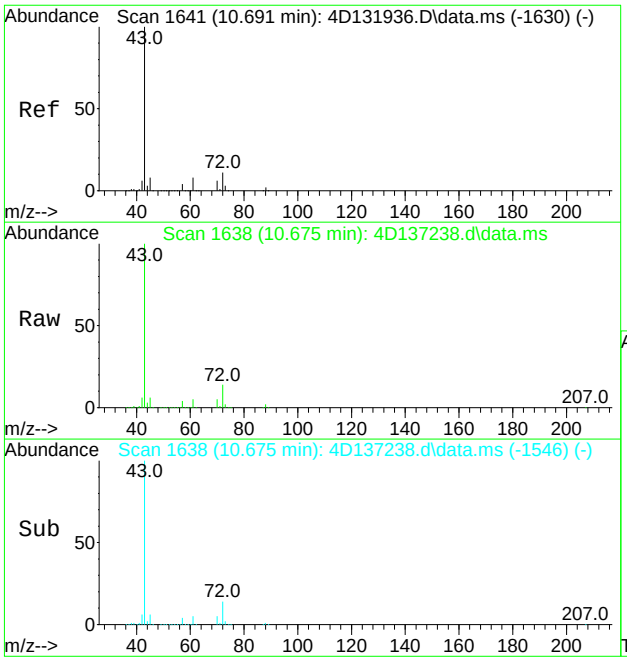


#33
ethyl tert-butyl ether
Concen: 18.8673 ug/L
RT: 10.444 min Scan# 1594
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 59 Resp: 384446

Ion	Ratio	Lower	Upper
59	100		
87	39.1	6.6	66.6
57	31.7	2.2	62.2

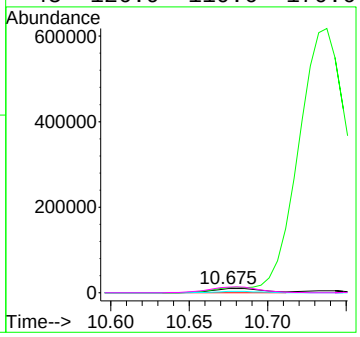


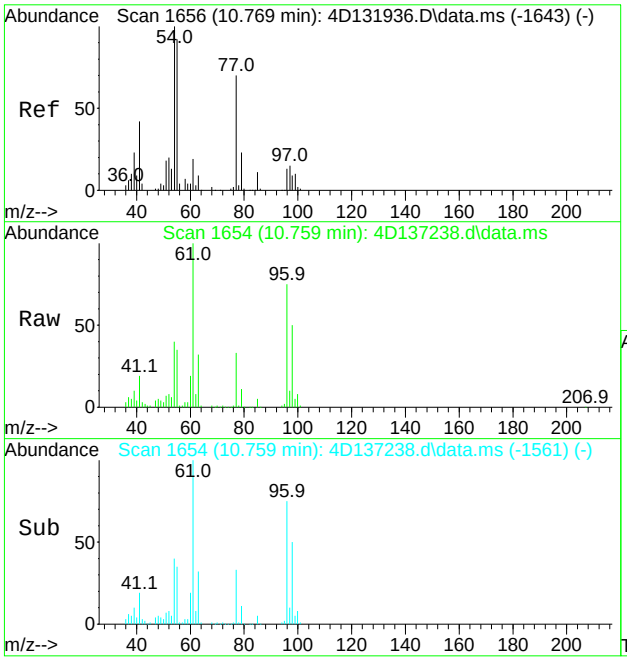


#34
ethyl acetate
Concen: 19.1182 ug/L
RT: 10.675 min Scan# 1638
Delta R.T. -0.016 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 70 Resp: 22577

Ion	Ratio	Lower	Upper
70	100		
61	115.2	108.4	168.4
88	33.3	5.9	65.9
45	126.9	110.6	170.6

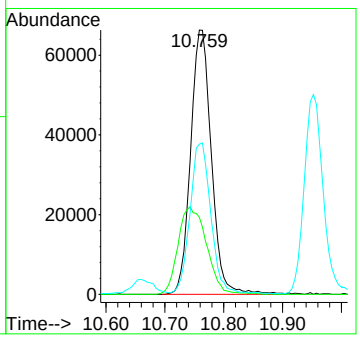


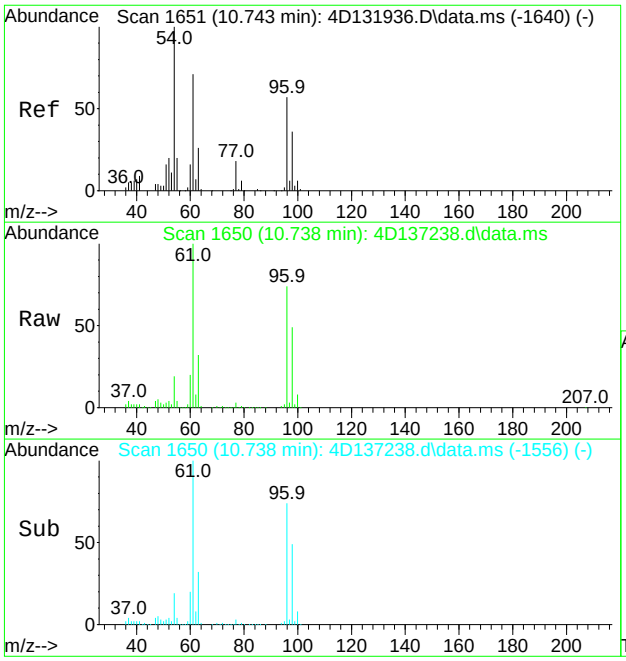


#35
2,2-dichloropropane
Concen: 19.7936 ug/L
RT: 10.759 min Scan# 1654
Delta R.T. -0.010 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 77 Resp: 163235

Ion	Ratio	Lower	Upper
77	100		
97	29.1	0.0	51.9
41	56.5	29.6	89.6

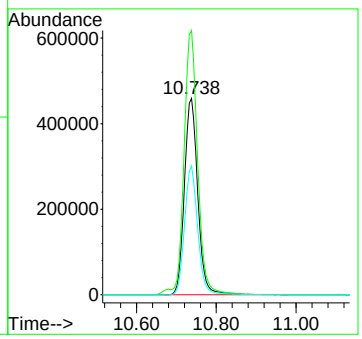


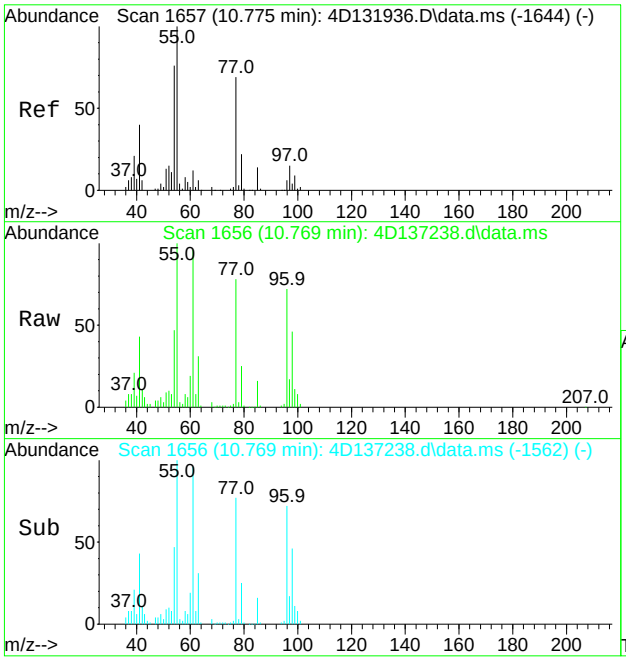


#36
cis-1,2-dichloroethene
Concen: 176.0176 ug/L
RT: 10.738 min Scan# 1650
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 96 Resp: 1068724

Ion	Ratio	Lower	Upper
96	100		
61	134.6	119.6	179.6
98	65.6	34.3	94.3

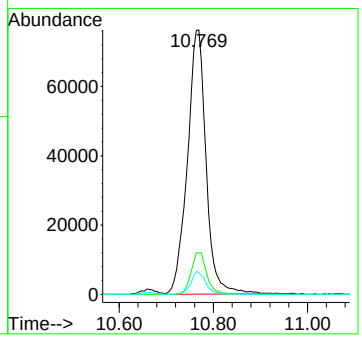


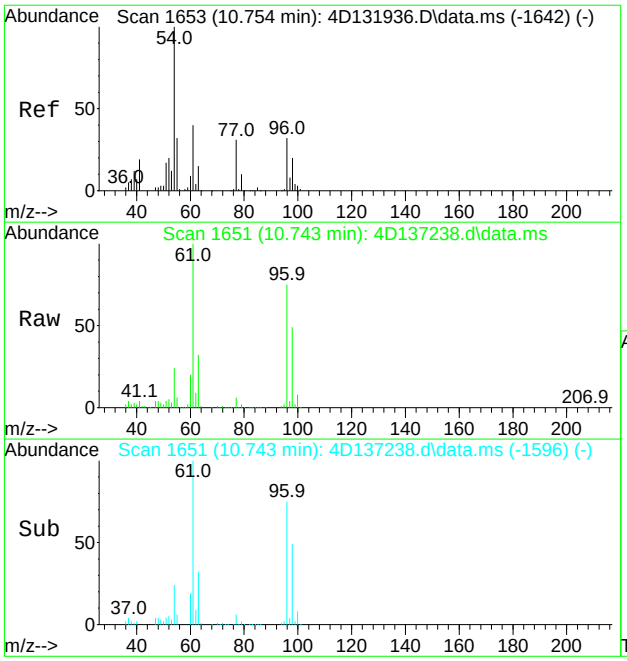


#37
methyl acrylate
Concen: 19.3038 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 55 Resp: 209846

Ion	Ratio	Lower	Upper
55	100		
85	15.8	0.0	43.7
58	8.3	0.0	38.0

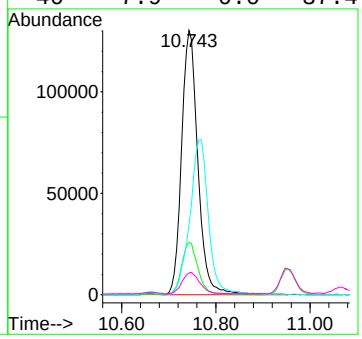


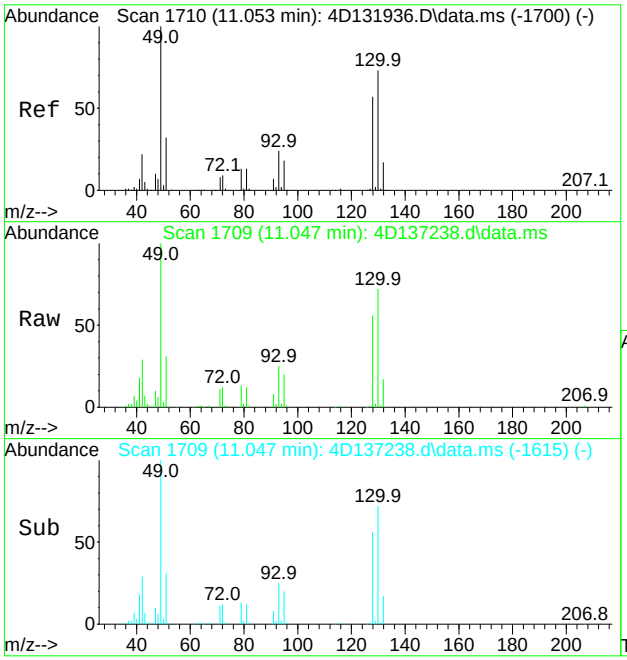


#38
propionitrile
Concen: 197.9062 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 54 Resp: 313942

Ion	Ratio	Lower	Upper
54	100		
52	19.9	0.0	49.8
55	26.3	2.6	62.6
40	7.9	0.0	37.4

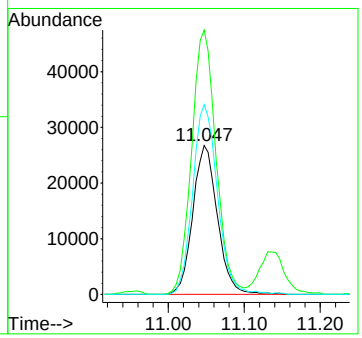


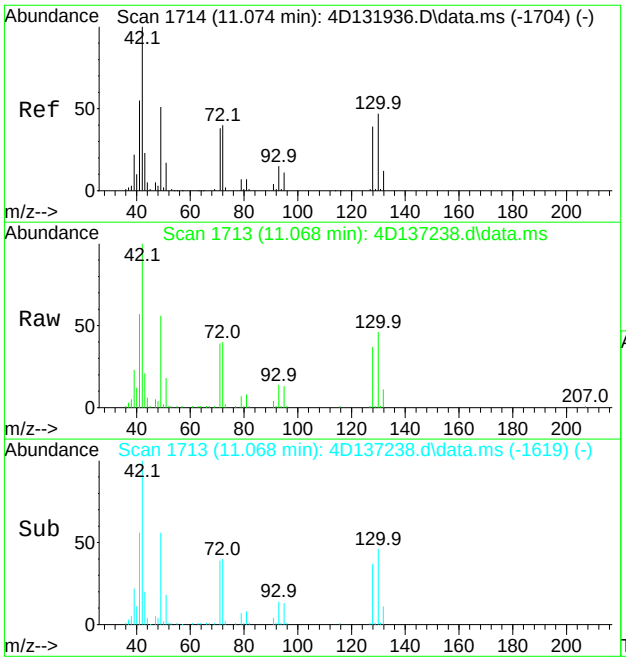


#39
bromochloromethane
Concen: 19.8225 ug/L
RT: 11.047 min Scan# 1709
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:128 Resp: 60160

Ion	Ratio	Lower	Upper
128	100		
49	177.8	145.9	205.9
130	127.6	97.8	157.8

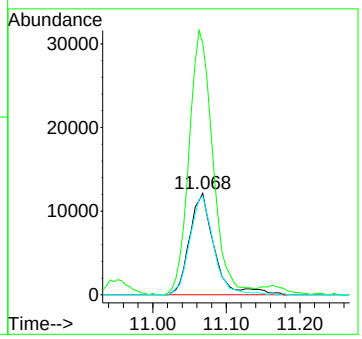


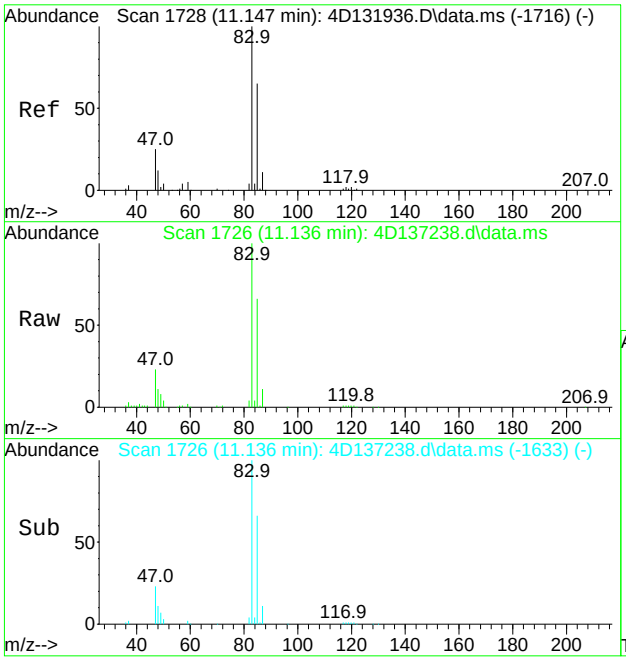


#40
tetrahydrofuran
Concen: 22.0930 ug/L
RT: 11.068 min Scan# 1713
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 72 Resp: 28353

Ion	Ratio	Lower	Upper
72	100		
42	247.9	219.9	279.9
71	97.1	66.1	126.1

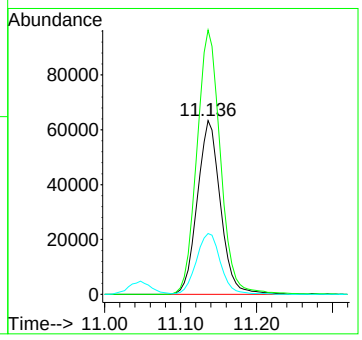


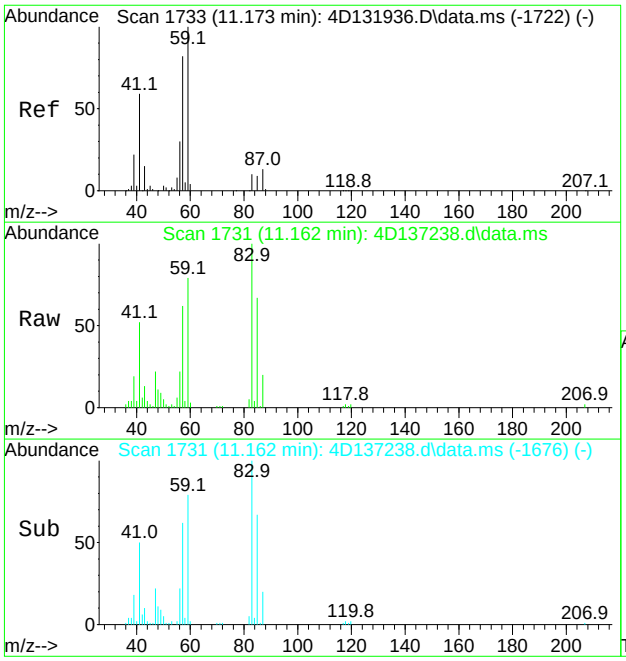


#41
chloroform
Concen: 21.7675 ug/L
RT: 11.136 min Scan# 1726
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 85 Resp: 134295

Ion	Ratio	Lower	Upper
85	100		
83	152.1	123.5	183.5
47	35.1	9.8	69.8

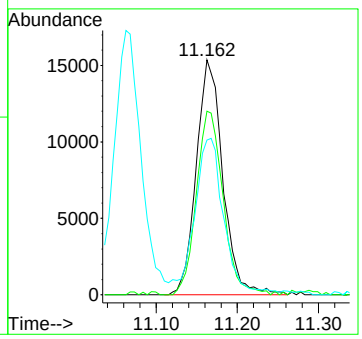


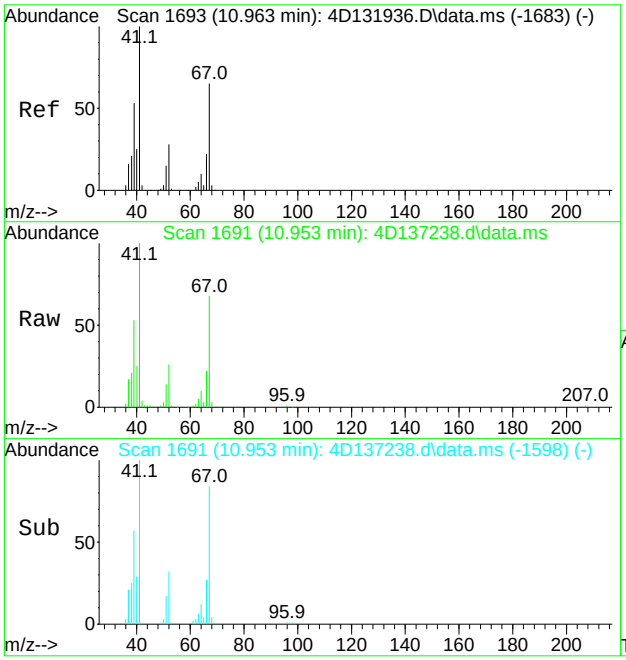


#42
t-butyl formate
Concen: 13.1455 ug/L
RT: 11.162 min Scan# 1731
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 59 Resp: 34913

Ion	Ratio	Lower	Upper
59	100		
57	78.2	51.8	111.8
41	64.3	32.4	92.4

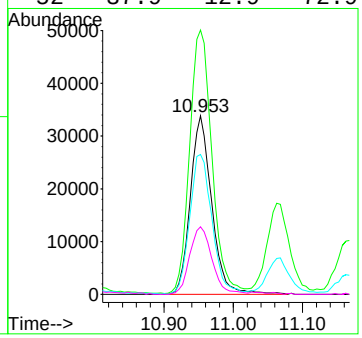


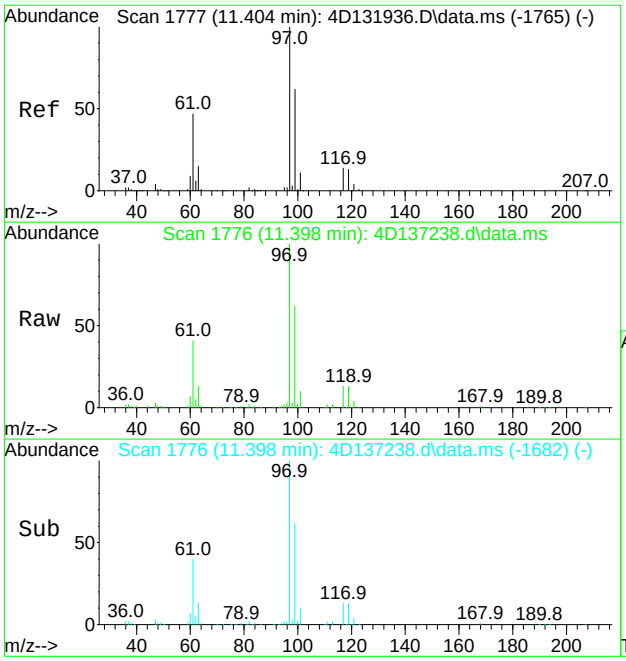


#44
methacrylonitrile
Concen: 21.2342 ug/L
RT: 10.953 min Scan# 1691
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 67 Resp: 72645

Ion	Ratio	Lower	Upper
67	100		
41	147.7	123.0	183.0
39	77.9	50.9	110.9
52	37.9	12.9	72.9

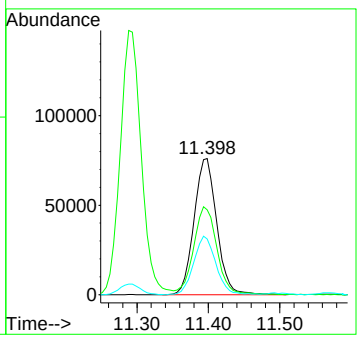


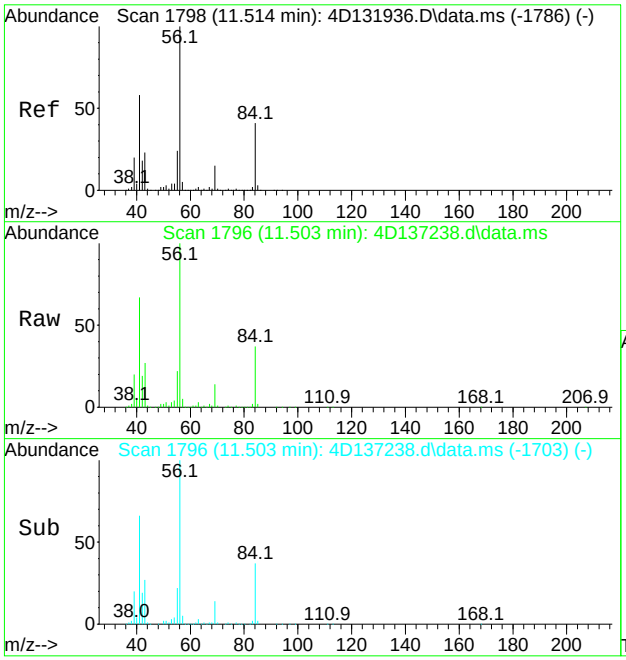


#45
1,1,1-trichloroethane
Concen: 20.1921 ug/L
RT: 11.398 min Scan# 1776
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 97 Resp: 168805

Ion	Ratio	Lower	Upper
97	100		
99	62.1	34.4	94.4
61	40.7	16.6	76.6

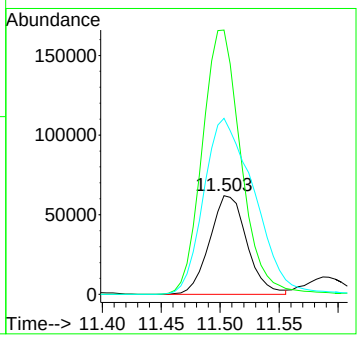


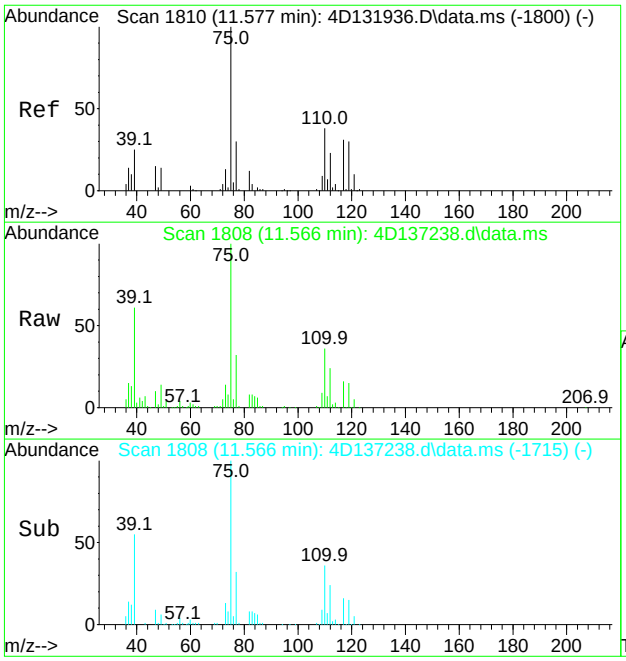


#46
cyclohexane
Concen: 18.1538 ug/L
RT: 11.503 min Scan# 1796
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 84 Resp: 136749

Ion	Ratio	Lower	Upper
84	100		
56	267.3	225.3	265.3#
41	177.7	121.5	161.5#

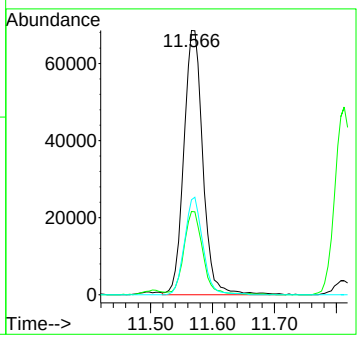


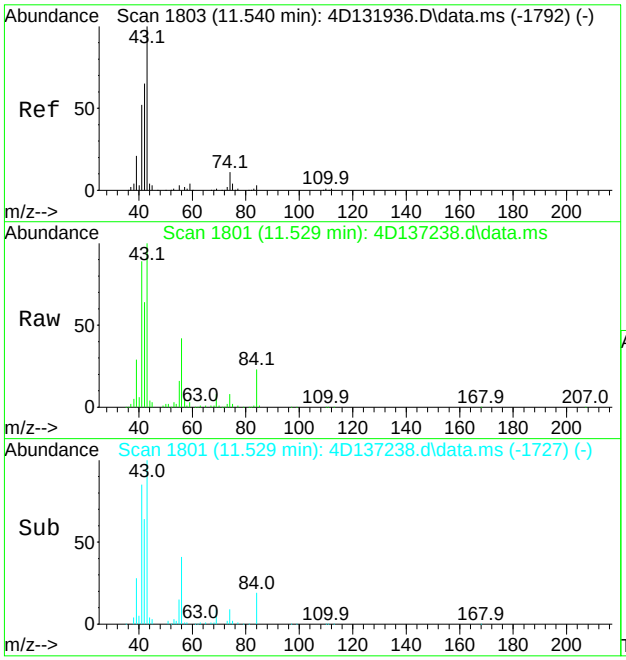


#47
1,1-dichloropropene
Concen: 20.8772 ug/L
RT: 11.566 min Scan# 1808
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 75 Resp: 146867

Ion	Ratio	Lower	Upper
75	100		
77	31.5	11.0	51.0
110	35.9	17.6	57.6

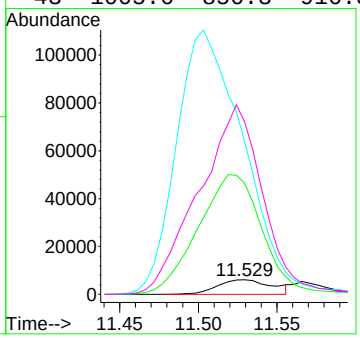


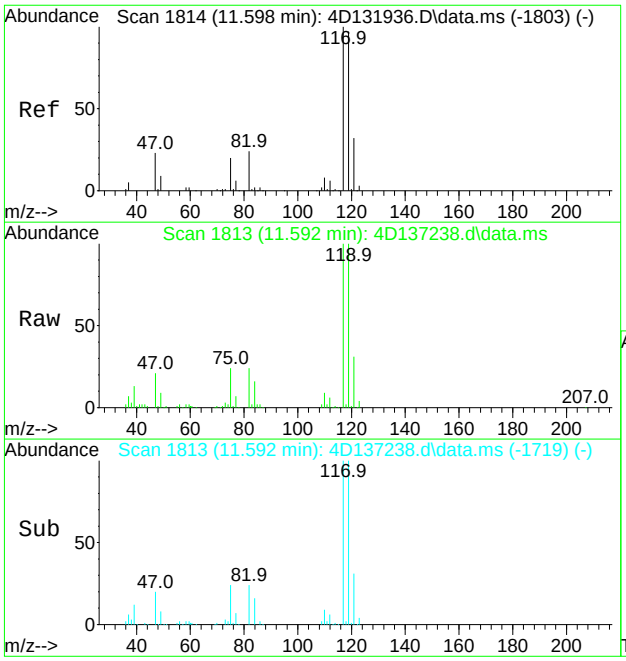


#48
isobutyl alcohol
Concen: 230.7171 ug/L
RT: 11.529 min Scan# 1801
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 74 Resp: 14952

Ion	Ratio	Lower	Upper
74	100		
42	693.4	546.1	606.1#
41	902.8	593.5	653.5#
43	1005.6	856.3	916.3#

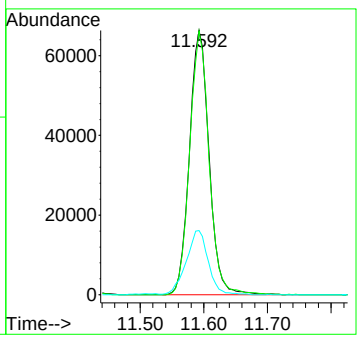


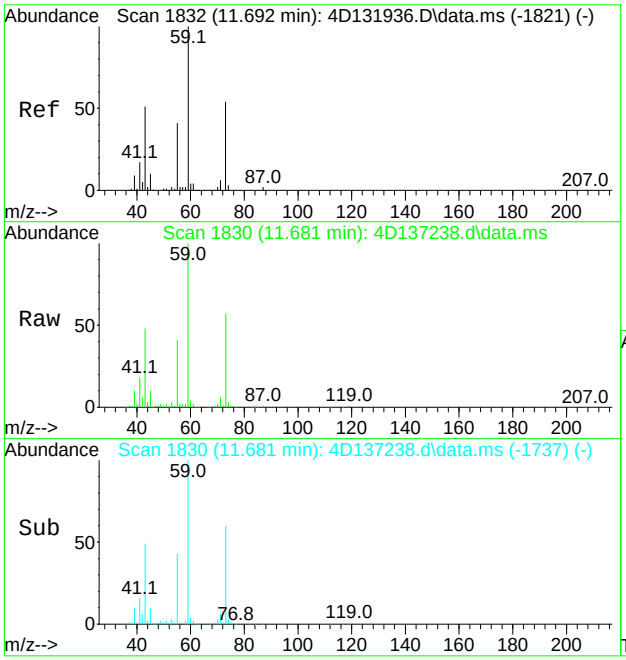


#49
carbon tetrachloride
Concen: 19.8161 ug/L
RT: 11.592 min Scan# 1813
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:117 Resp: 142629

Ion	Ratio	Lower	Upper
117	100		
119	99.6	77.2	117.2
82	24.3	4.2	44.2

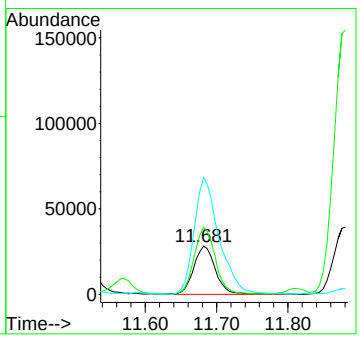


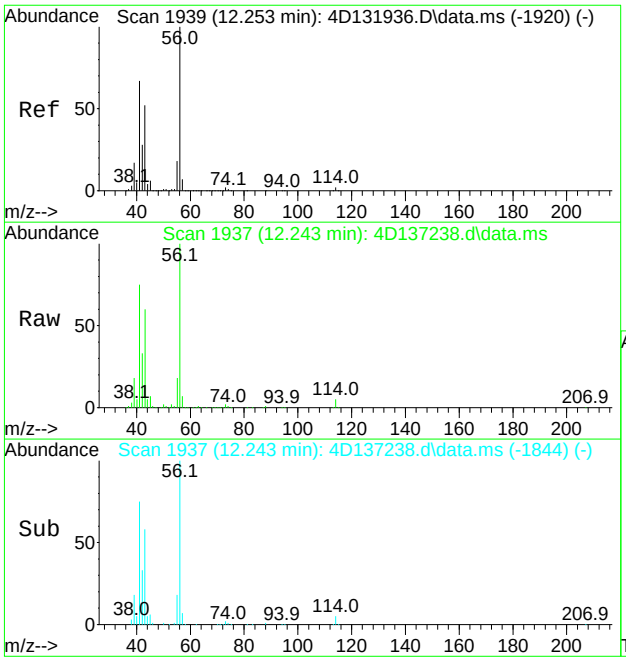


#50
tert amyl alcohol
Concen: 98.8681 ug/L
RT: 11.681 min Scan# 1830
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 55 Resp: 60165

Ion	Ratio	Lower	Upper
55	100		
73	138.0	100.3	160.3
59	242.6	213.3	273.3

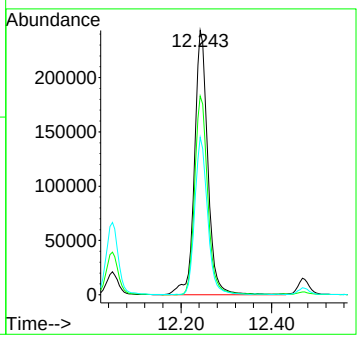


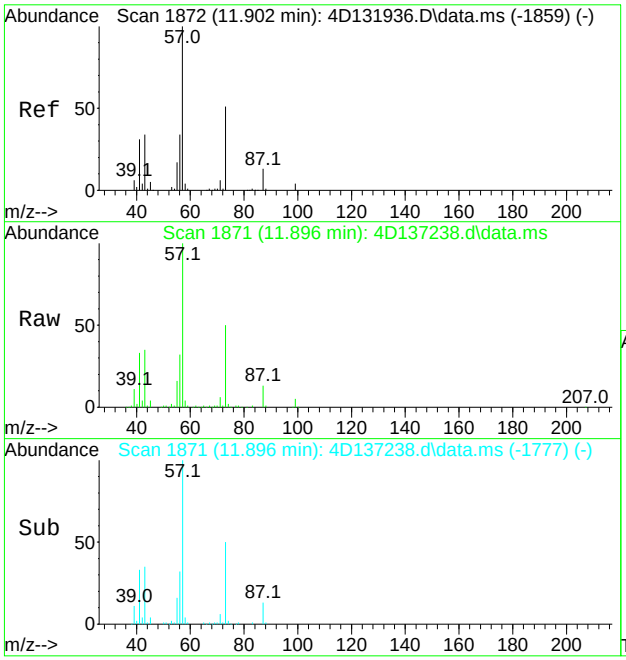


#53
n-butyl alcohol
Concen: 1054.7459 ug/L
RT: 12.243 min Scan# 1937
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 56 Resp: 498184

Ion	Ratio	Lower	Upper
56	100		
41	75.1	36.6	96.6
43	59.4	22.4	82.4

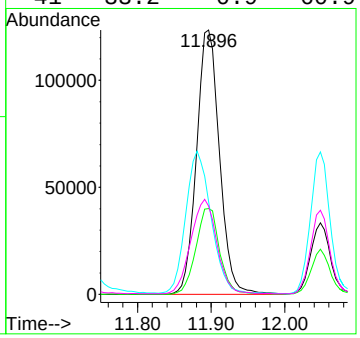


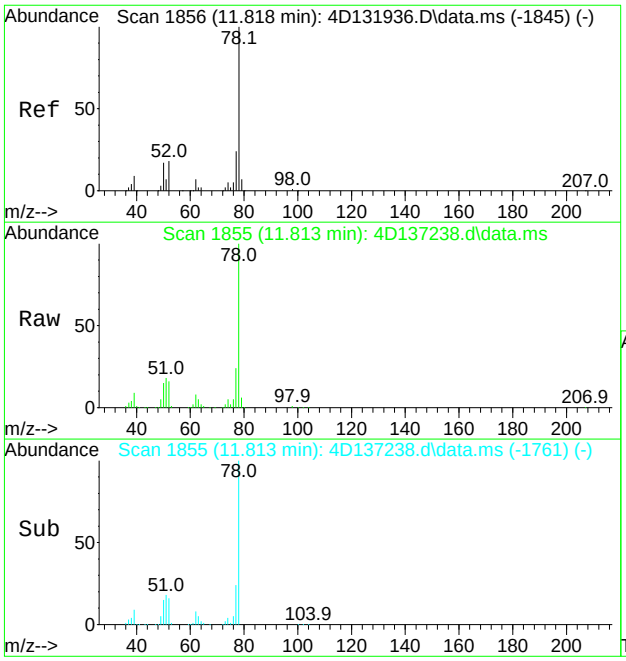


#54
2,2,4-trimethylpentane
Concen: 16.8159 ug/L
RT: 11.896 min Scan# 1871
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 57 Resp: 268854

Ion	Ratio	Lower	Upper
57	100		
56	32.5	3.6	63.6
43	34.8	4.6	64.6
41	33.2	0.9	60.9

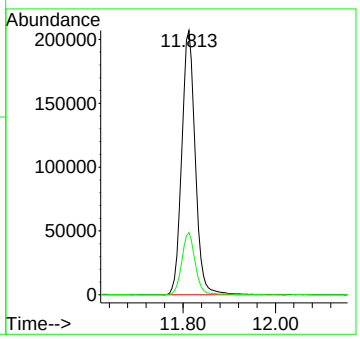


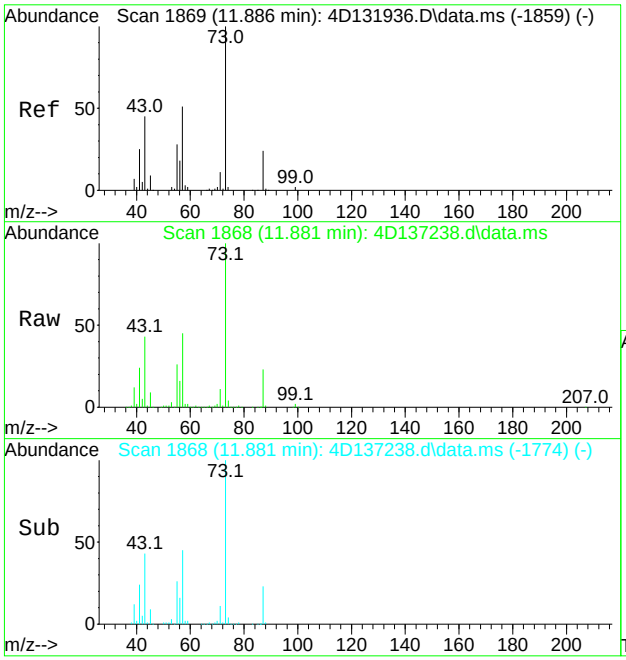


#55
benzene
Concen: 20.1005 ug/L
RT: 11.813 min Scan# 1855
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 78 Resp: 421970

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	53.7

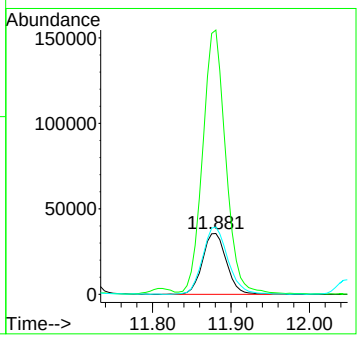


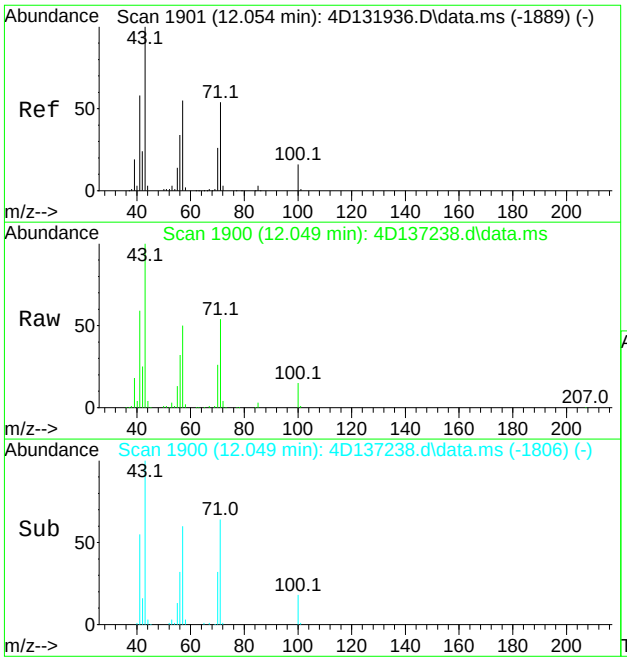


#56
tert-amyl methyl ether
Concen: 18.9923 ug/L
RT: 11.881 min Scan# 1868
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 87 Resp: 76113

Ion	Ratio	Lower	Upper
87	100		
73	432.9	382.6	442.6
55	110.8	85.4	145.4

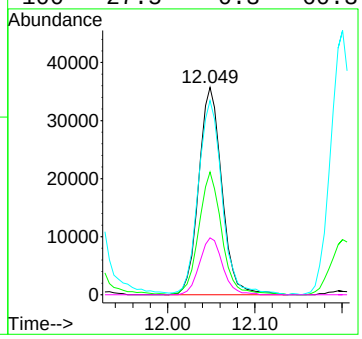


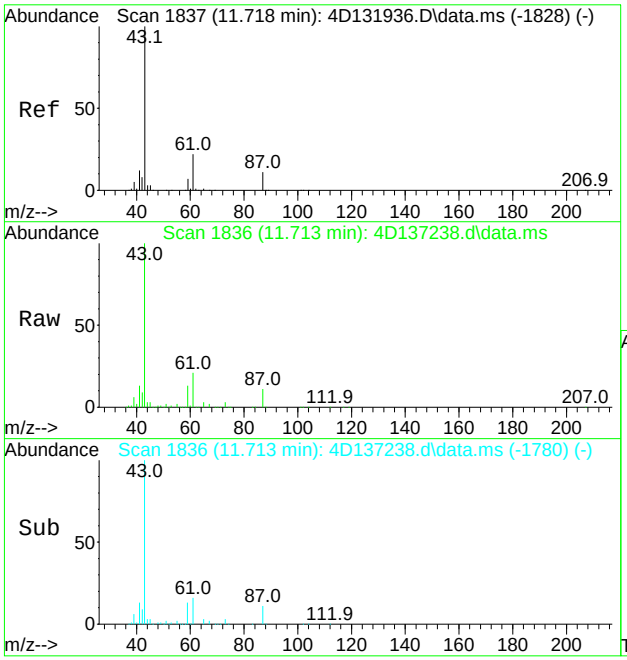


#57
heptane
Concen: 18.9060 ug/L
RT: 12.049 min Scan# 1900
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 71 Resp: 65829

Ion	Ratio	Lower	Upper
71	100		
56	59.2	33.0	93.0
57	93.7	72.2	132.2
100	27.5	0.3	60.3

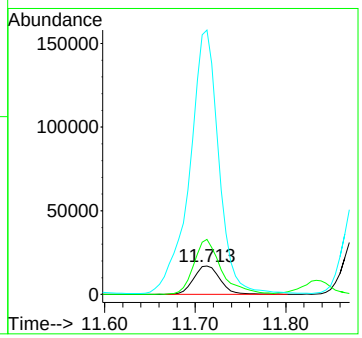


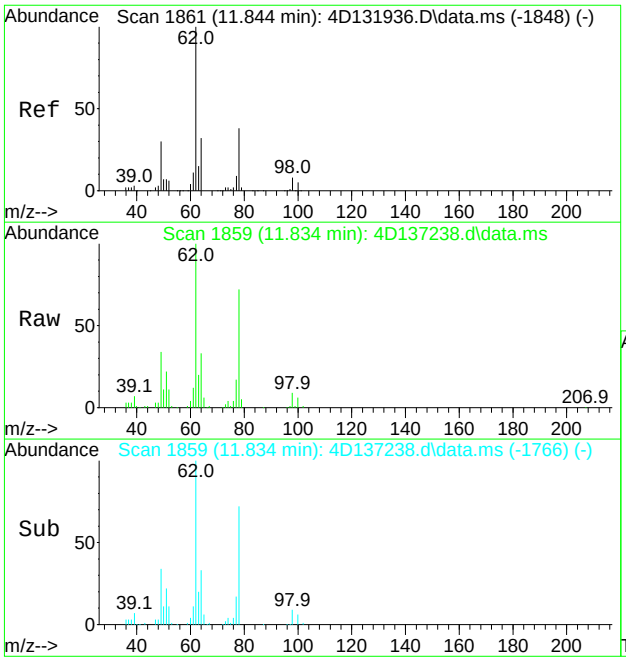


#58
isopropyl acetate
Concen: 21.5312 ug/L
RT: 11.713 min Scan# 1836
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 87 Resp: 34397

Ion	Ratio	Lower	Upper
87	100		
61	193.7	170.1	230.1
43	926.7	919.0	979.0

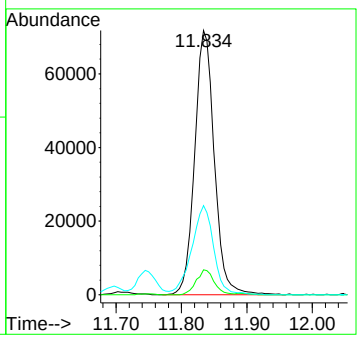


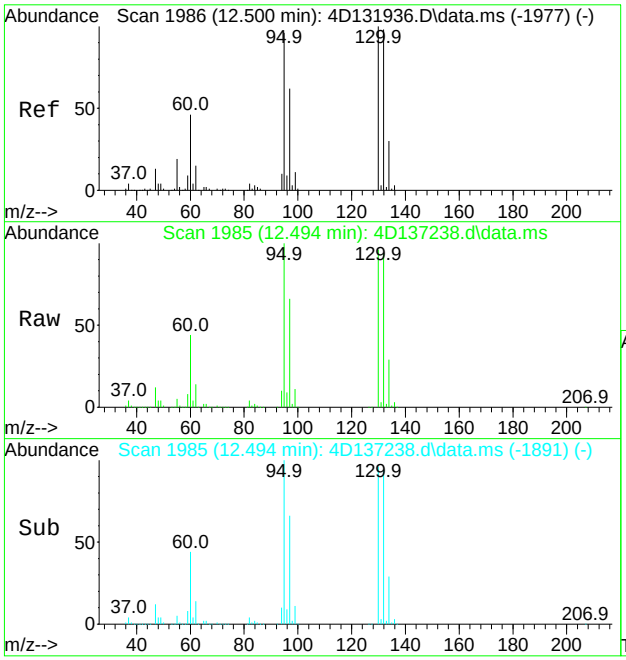


#59
1,2-dichloroethane
Concen: 17.1963 ug/L
RT: 11.834 min Scan# 1859
Delta R.T. -0.010 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 62 Resp: 149735

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	38.5
49	33.7	1.1	61.1

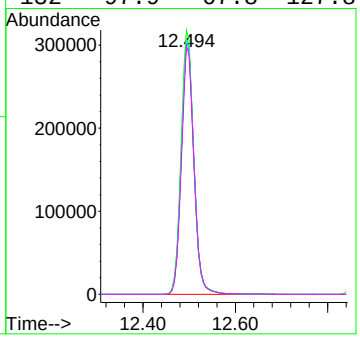


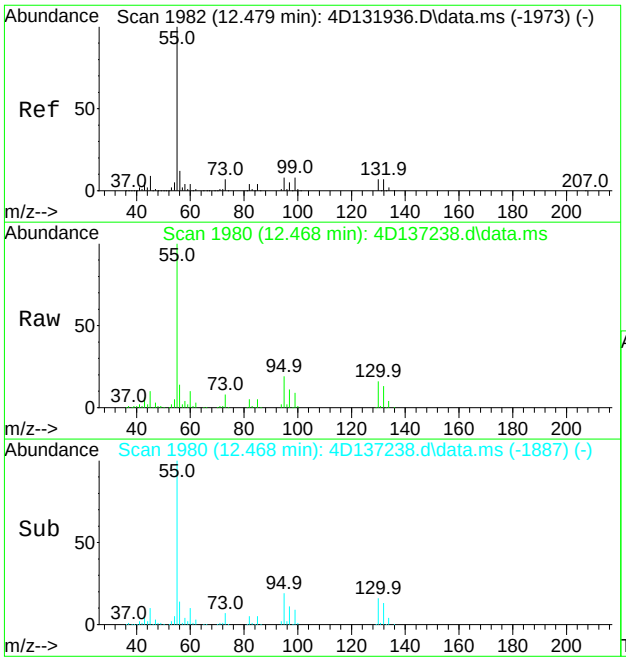


#60
trichloroethene
Concen: 100.5435 ug/L
RT: 12.494 min Scan# 1985
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:130 Resp: 583996

Ion	Ratio	Lower	Upper
130	100		
95	104.2	65.8	125.8
130	100.0	70.0	130.0
132	97.9	67.8	127.8

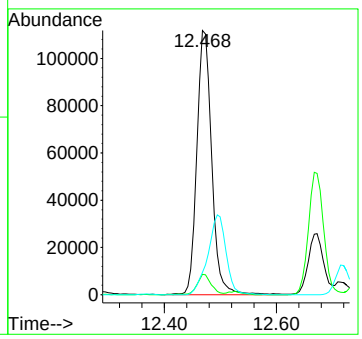


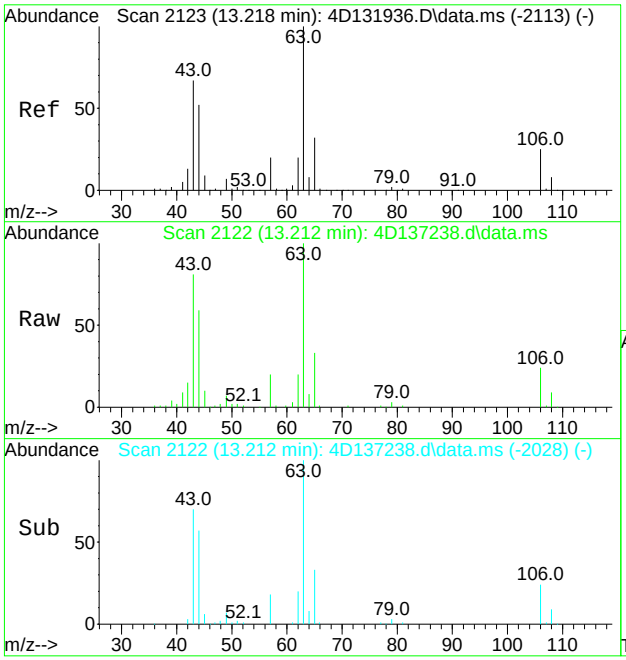


#61
ethyl acrylate
Concen: 18.5020 ug/L
RT: 12.468 min Scan# 1980
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 55 Resp: 206542

Ion	Ratio	Lower	Upper
55	100		
73	7.8	0.0	26.5
99	8.5	0.0	27.5

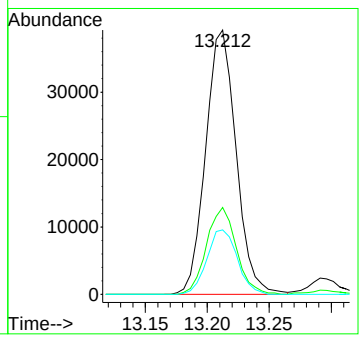


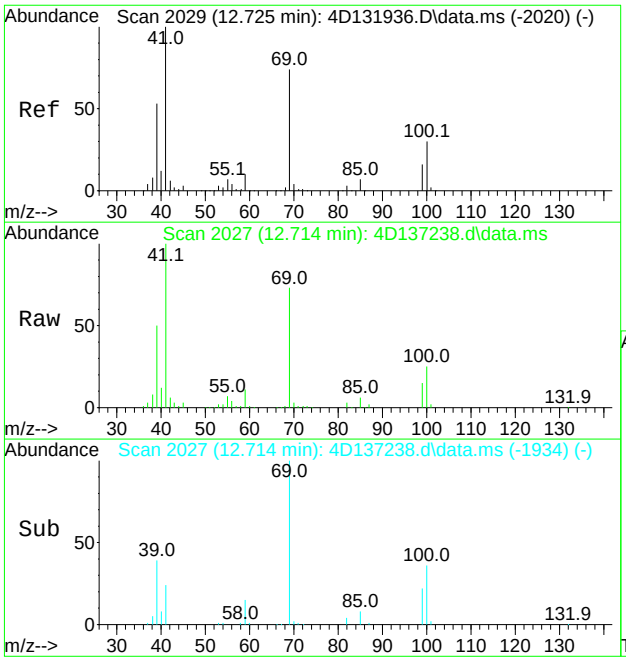


#63
2-chloroethyl vinyl ether
Concen: 20.7725 ug/L
RT: 13.212 min Scan# 2122
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 63 Resp: 67147

Ion	Ratio	Lower	Upper
63	100		
65	32.8	1.7	61.7
106	24.4	0.0	55.3

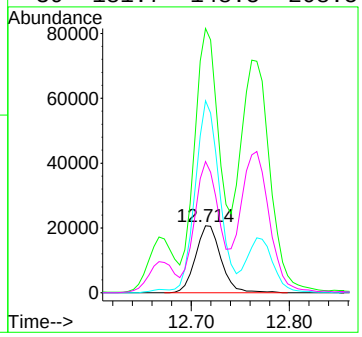


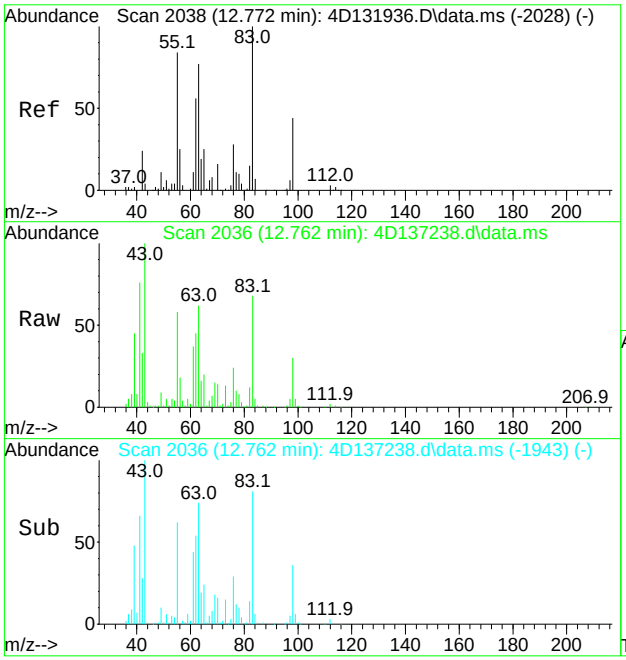


#64
methyl methacrylate
Concen: 18.6537 ug/L
RT: 12.714 min Scan# 2027
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:100 Resp: 37361

Ion	Ratio	Lower	Upper
100	100		
41	368.3	304.3	364.3#
69	281.5	217.8	277.8#
39	181.7	148.5	208.5

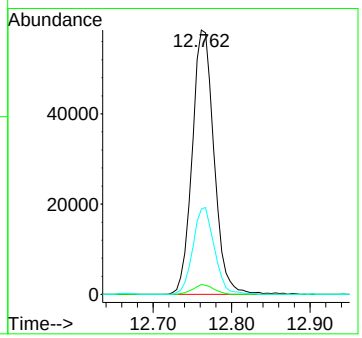


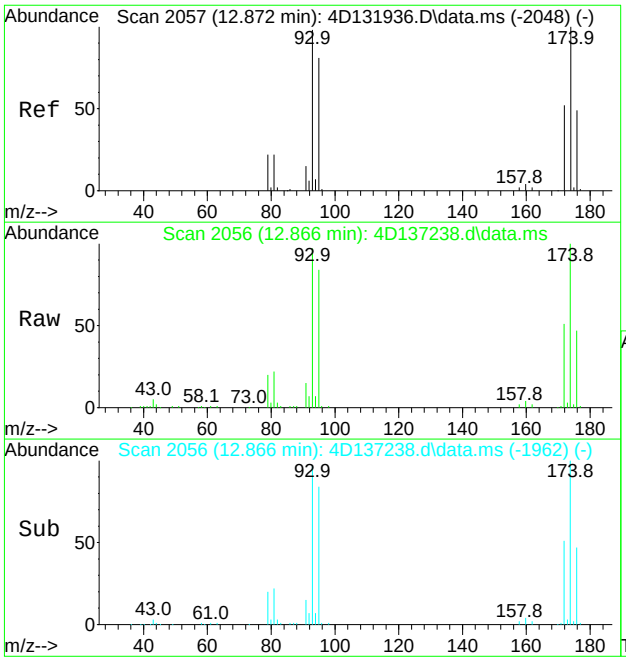


#65
1,2-dichloropropane
Concen: 18.8704 ug/L
RT: 12.762 min Scan# 2036
Delta R.T. -0.010 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 63 Resp: 113271

Ion	Ratio	Lower	Upper
63	100		
112	3.7	0.0	33.7
65	32.2	1.9	61.9

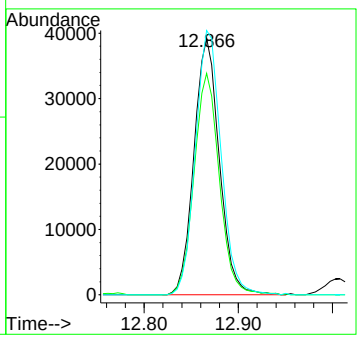


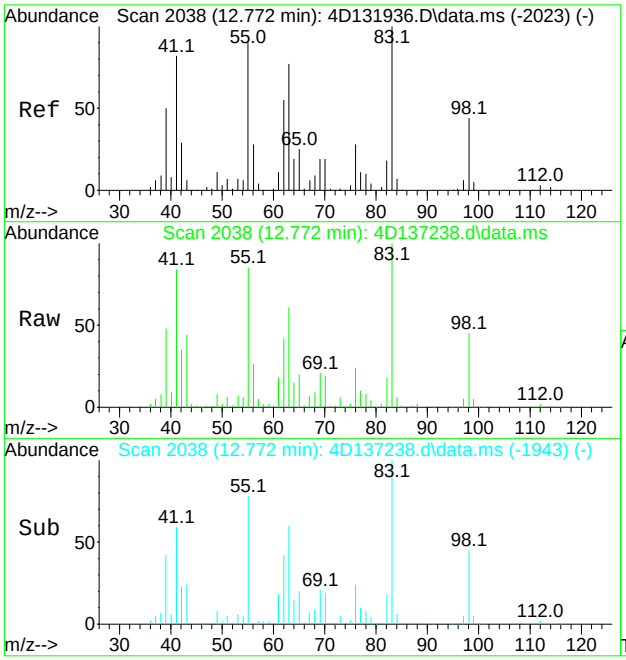


#66
dibromomethane
Concen: 19.3940 ug/L
RT: 12.866 min Scan# 2056
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 93 Resp: 73326

Ion	Ratio	Lower	Upper
93	100		
95	86.3	52.6	112.6
174	103.1	72.4	132.4

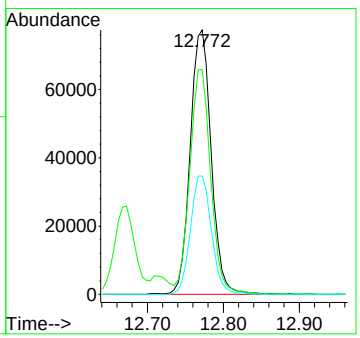


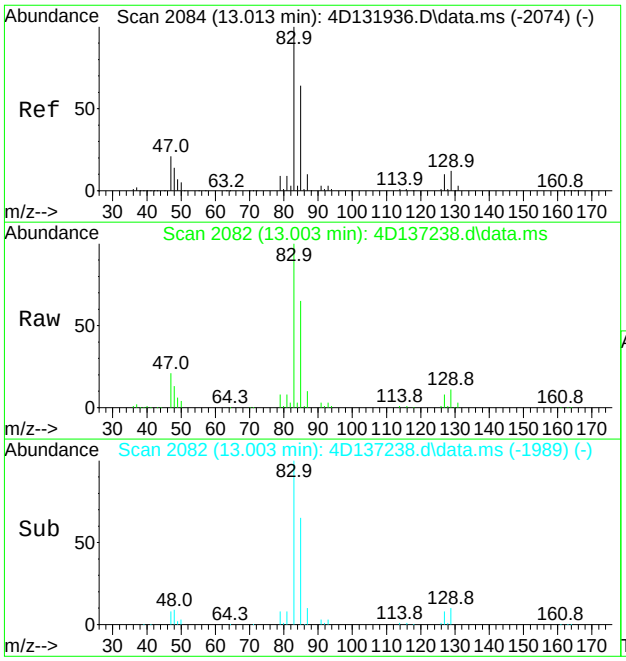


#67
methylcyclohexane
Concen: 18.0335 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. 0.000 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 83 Resp: 149450

Ion	Ratio	Lower	Upper
83	100		
55	84.6	60.5	120.5
98	44.8	14.1	74.1

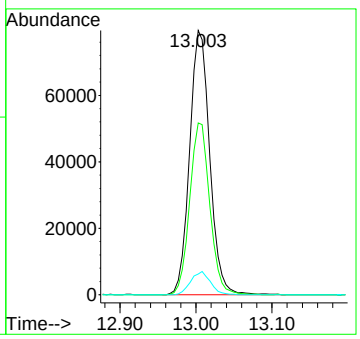


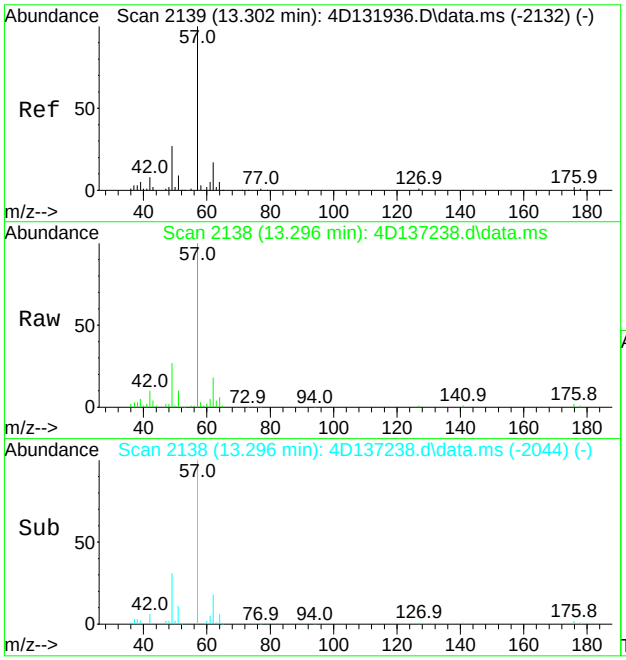


#68
bromodichloromethane
Concen: 18.9422 ug/L
RT: 13.003 min Scan# 2082
Delta R.T. -0.010 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 83 Resp: 146383

Ion	Ratio	Lower	Upper
83	100		
85	65.0	34.4	94.4
127	7.9	0.0	39.7

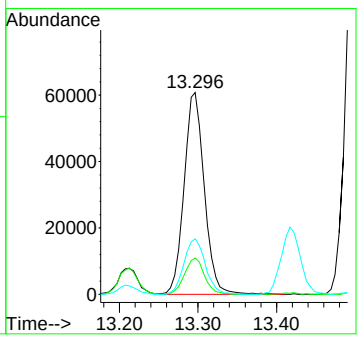


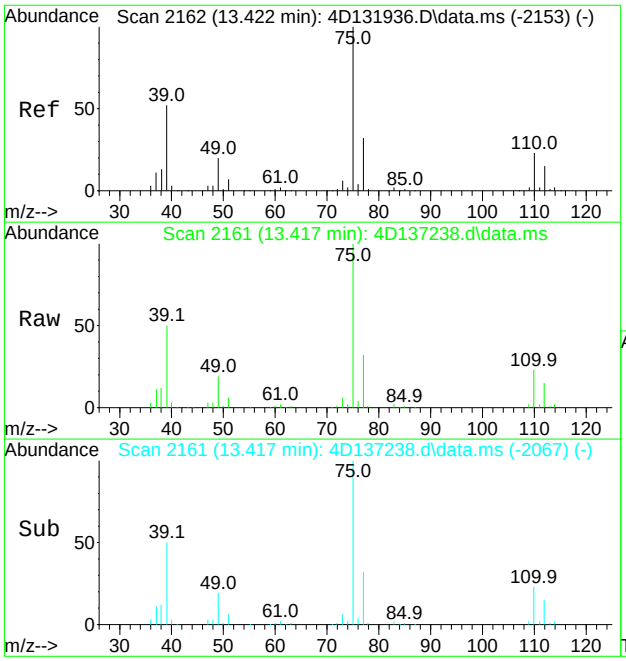


#69
epichlorohydrin
Concen: 95.1131 ug/L
RT: 13.296 min Scan# 2138
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 57 Resp: 108906

Ion	Ratio	Lower	Upper
57	100		
62	18.1	0.0	37.4
49	27.5	6.8	46.8

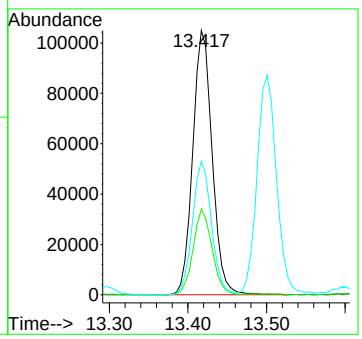


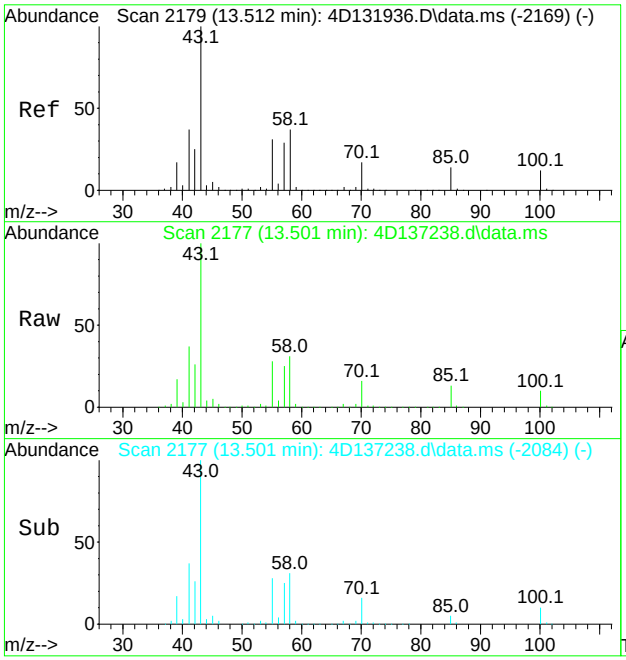


#70
cis-1,3-dichloropropene
Concen: 19.6696 ug/L
RT: 13.417 min Scan# 2161
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 75 Resp: 180833

Ion	Ratio	Lower	Upper
75	100		
77	32.4	1.9	61.9
39	50.4	22.1	82.1

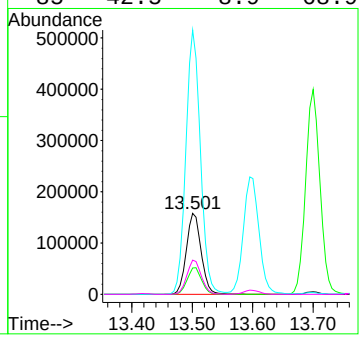


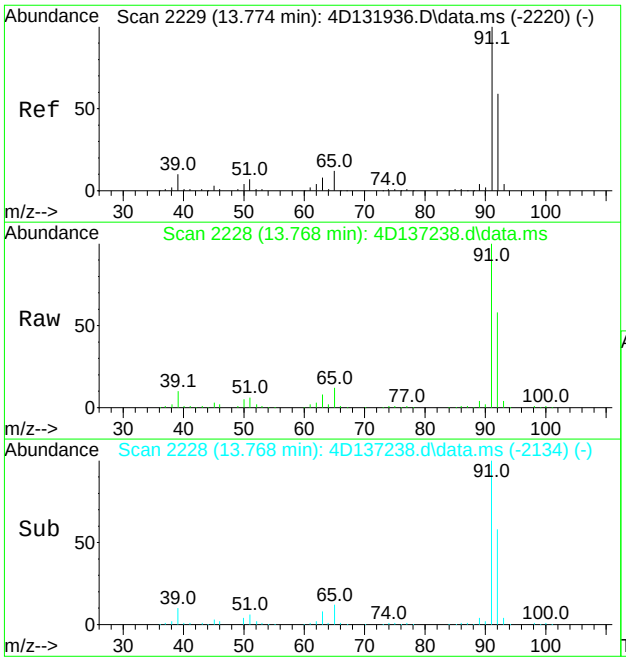


#71
4-methyl-2-pentanone
Concen: 74.6705 ug/L
RT: 13.501 min Scan# 2177
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 58 Resp: 269724

Ion	Ratio	Lower	Upper
58	100		
100	32.5	2.6	62.6
43	326.3	244.0	304.0#
85	42.5	8.9	68.9

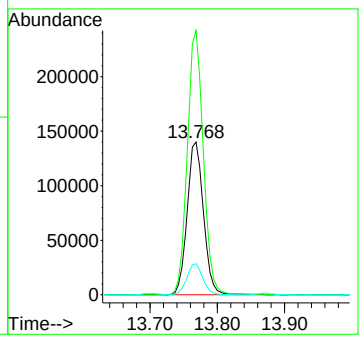


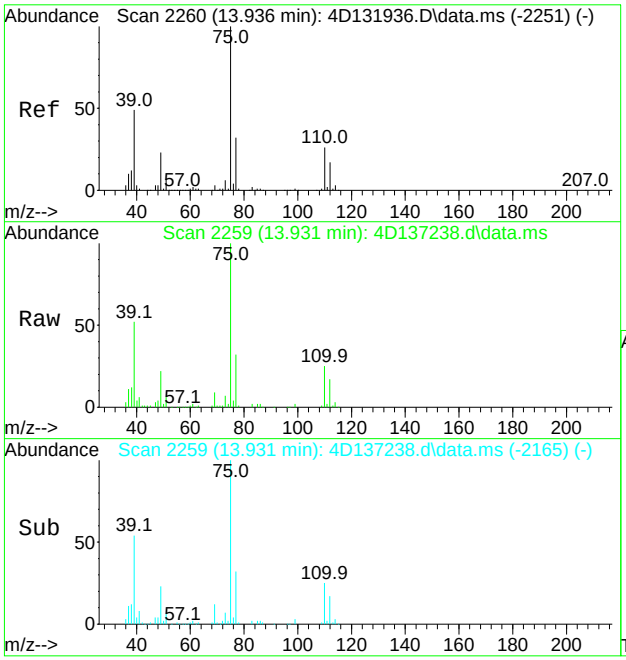


#75
toluene
Concen: 19.3913 ug/L
RT: 13.768 min Scan# 2228
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 92 Resp: 235963

Ion	Ratio	Lower	Upper
92	100		
91	173.2	150.1	190.1
65	20.3	0.0	39.8

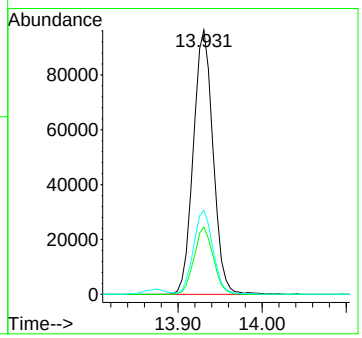


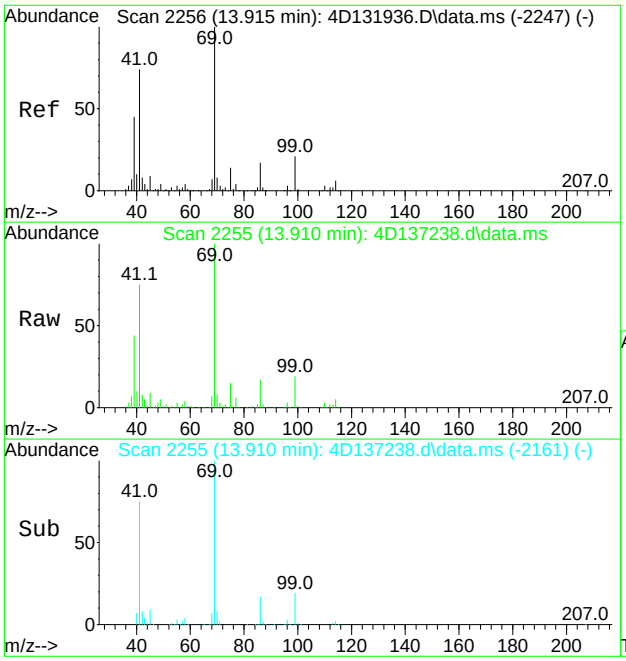


#76
trans-1,3-dichloropropene
Concen: 19.5931 ug/L
RT: 13.931 min Scan# 2259
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 75 Resp: 157211

Ion	Ratio	Lower	Upper
75	100		
110	25.4	5.6	45.6
77	31.8	12.5	52.5

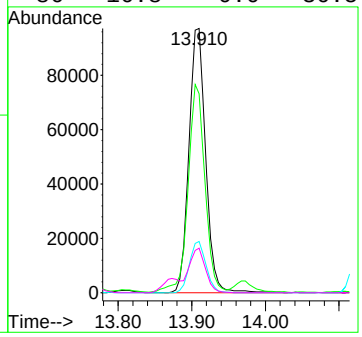


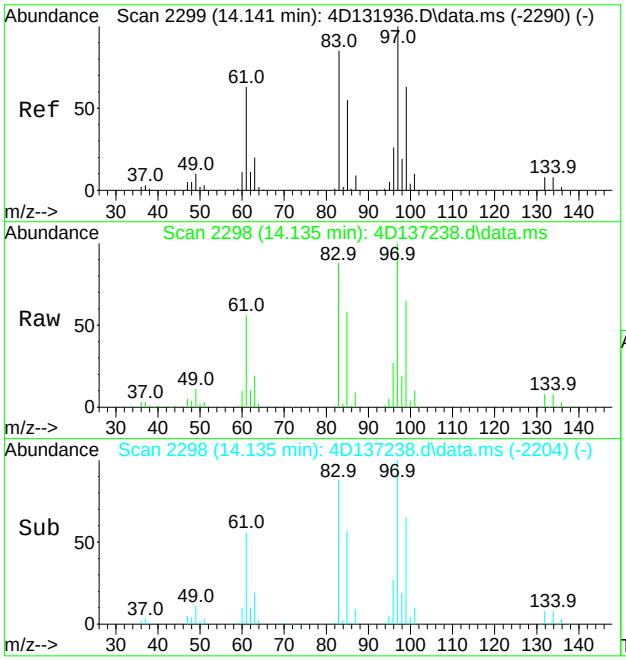


#77
ethyl methacrylate
Concen: 19.4664 ug/L
RT: 13.910 min Scan# 2255
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 69 Resp: 153832

Ion	Ratio	Lower	Upper
69	100		
41	75.0	53.7	93.7
99	19.4	0.5	40.5
86	16.8	0.0	36.5

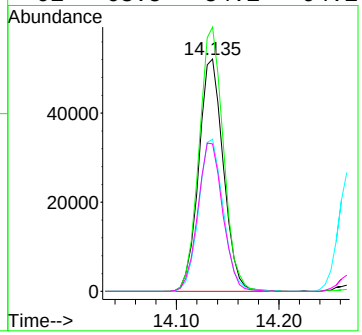


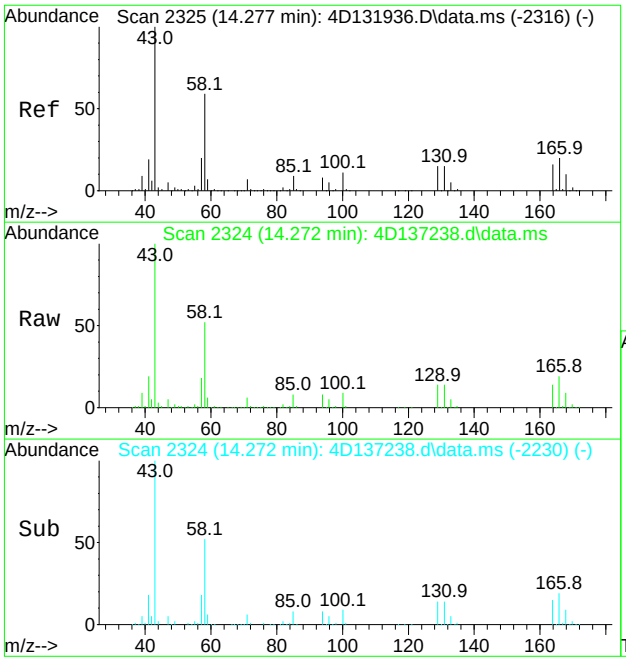


#78
1,1,2-trichloroethane
Concen: 20.1666 ug/L
RT: 14.135 min Scan# 2298
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 83 Resp: 87416

Ion	Ratio	Lower	Upper
83	100		
97	113.8	98.0	138.0
85	65.4	44.8	84.8
61	63.5	54.1	94.1

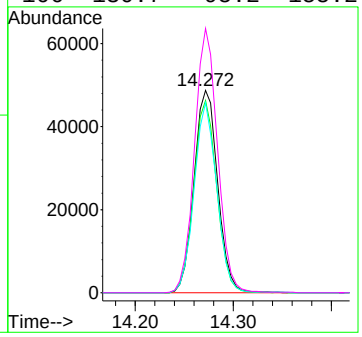


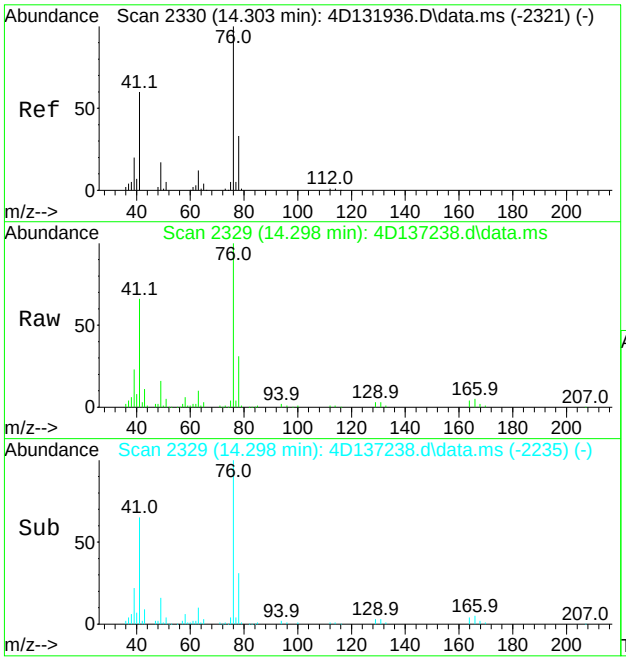


#79
tetrachloroethene
Concen: 19.3488 ug/L
RT: 14.272 min Scan# 2324
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:164 Resp: 81831

Ion	Ratio	Lower	Upper
164	100		
129	95.1	63.3	123.3
131	93.9	59.8	119.8
166	130.7	95.2	155.2

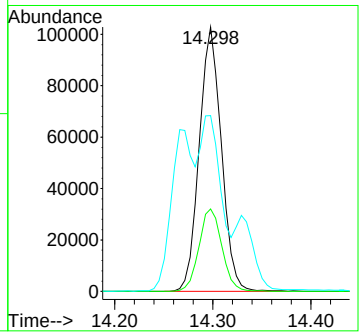


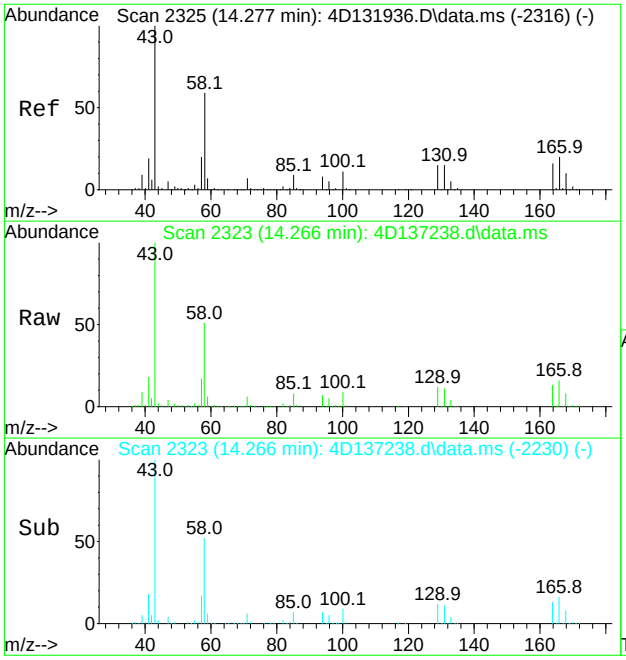


#80
1,3-dichloropropane
Concen: 21.1154 ug/L
RT: 14.298 min Scan# 2329
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 76 Resp: 161327

Ion	Ratio	Lower	Upper
76	100		
78	31.2	2.5	62.5
41	65.7	40.0	100.0

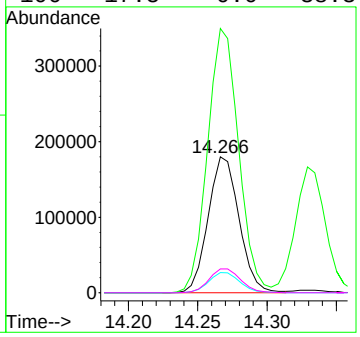


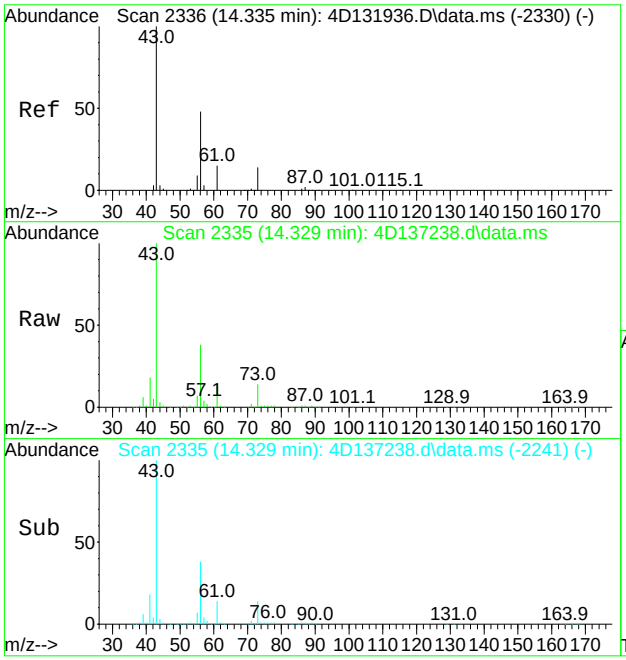


#81
2-hexanone
Concen: 73.5062 ug/L
RT: 14.266 min Scan# 2323
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 58 Resp: 279641

Ion	Ratio	Lower	Upper
58	100		
43	194.5	149.1	189.1#
85	14.8	0.0	34.7
100	17.5	0.0	38.3

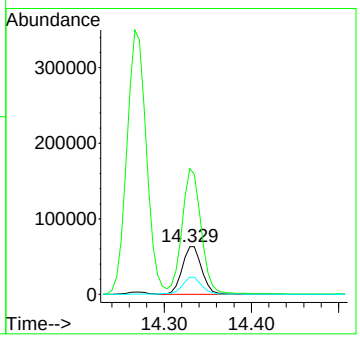


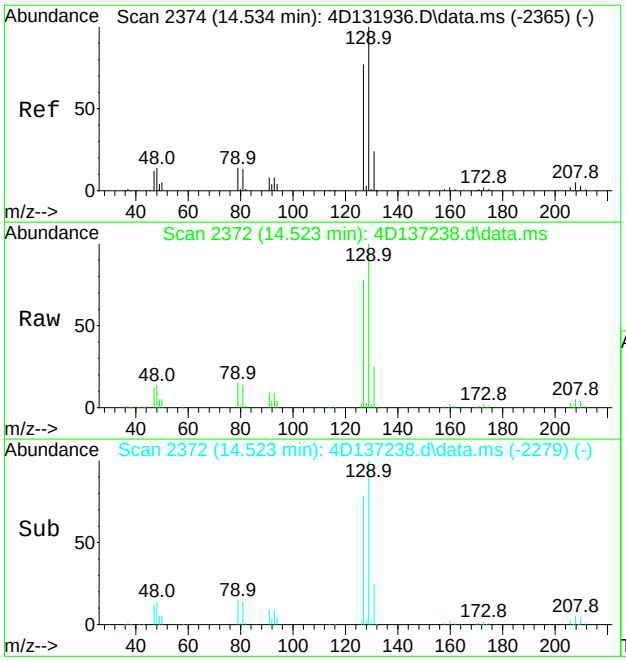


#82
butyl acetate
Concen: 18.2998 ug/L
RT: 14.329 min Scan# 2335
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 56 Resp: 99042

Ion	Ratio	Lower	Upper
56	100		
43	262.6	196.2	256.2#
73	35.6	0.0	59.9

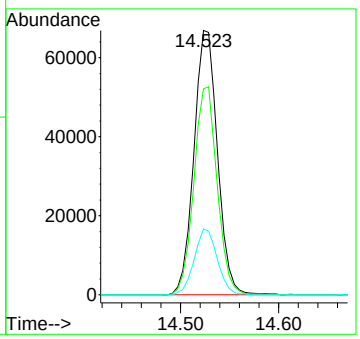


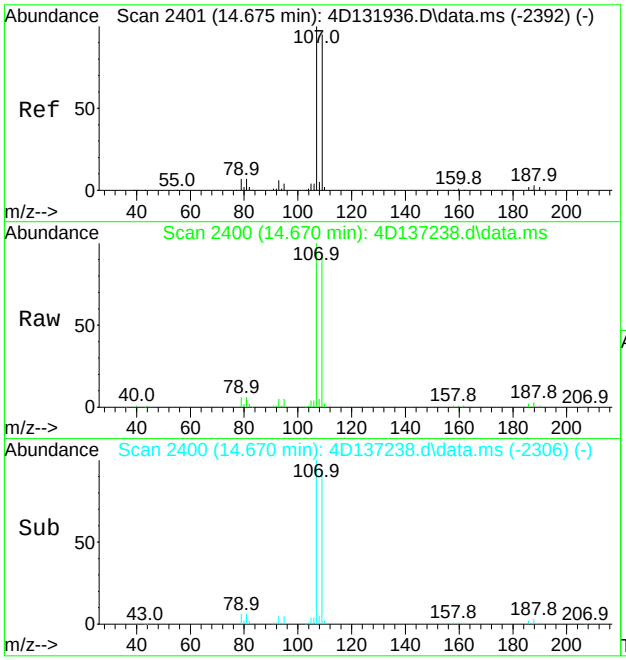


#83
dibromochloromethane
Concen: 18.5108 ug/L
RT: 14.523 min Scan# 2372
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:129 Resp: 111687

Ion	Ratio	Lower	Upper
129	100		
127	77.9	47.2	107.2
131	24.9	0.0	54.4

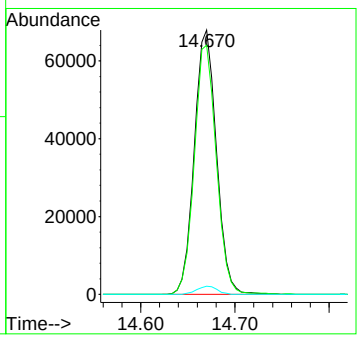


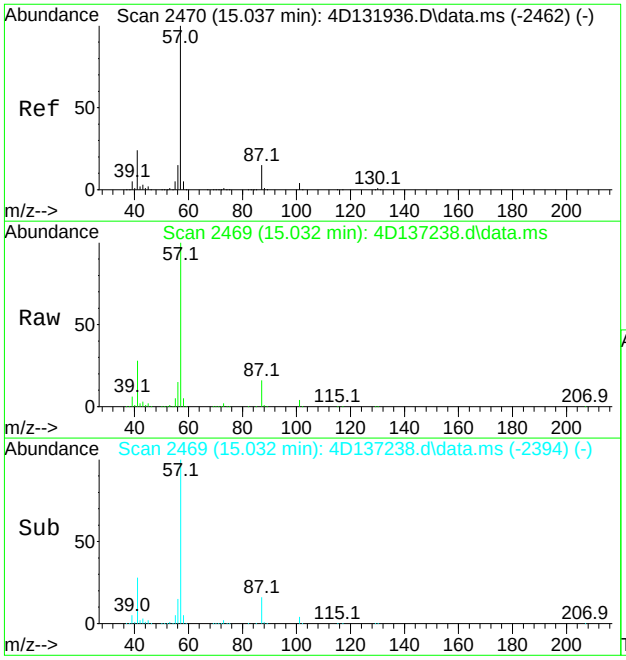


#84
1,2-dibromoethane
Concen: 20.1015 ug/L
RT: 14.670 min Scan# 2400
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:107 Resp: 111138

Ion	Ratio	Lower	Upper
107	100		
109	94.2	65.1	125.1
188	3.1	0.0	33.2

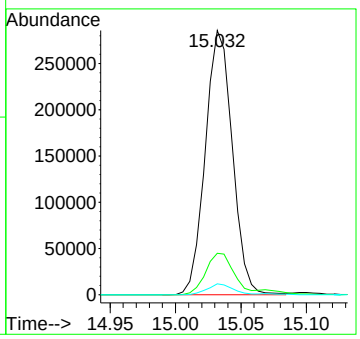


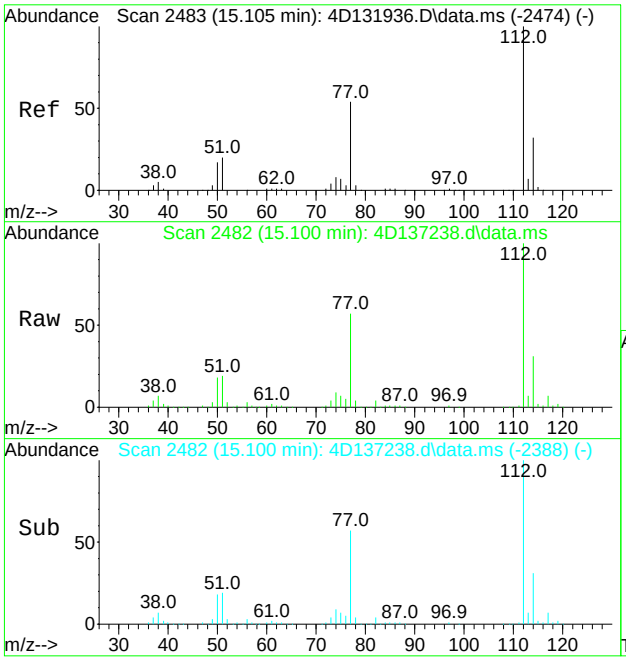


#85
n-butyl ether
Concen: 17.9948 ug/L
RT: 15.032 min Scan# 2469
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 57 Resp: 411868

Ion	Ratio	Lower	Upper
57	100		
87	15.7	0.0	44.7
101	4.2	0.0	33.8

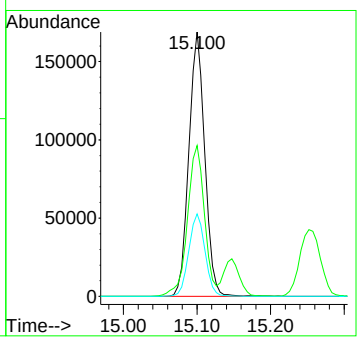


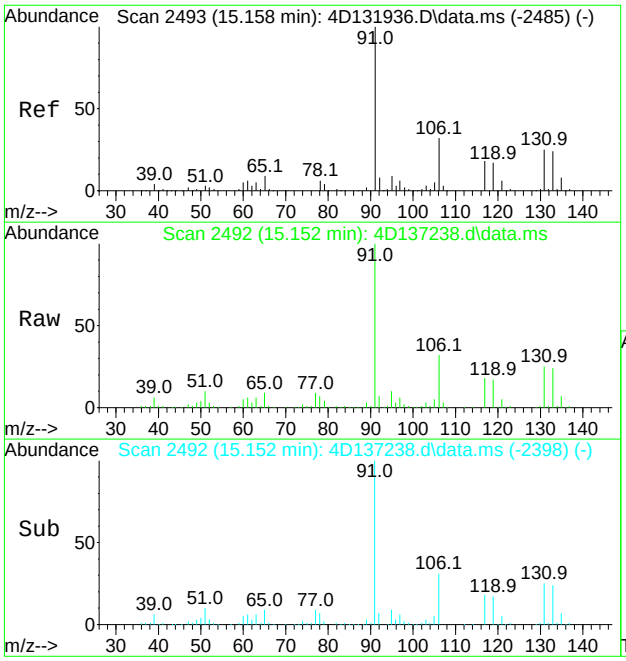


#86
chlorobenzene
Concen: 18.9440 ug/L
RT: 15.100 min Scan# 2482
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:112 Resp: 253578

Ion	Ratio	Lower	Upper
112	100		
77	56.4	23.8	83.8
114	31.2	2.2	62.2

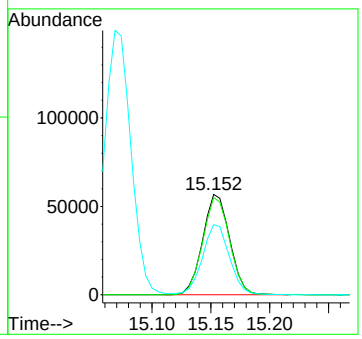


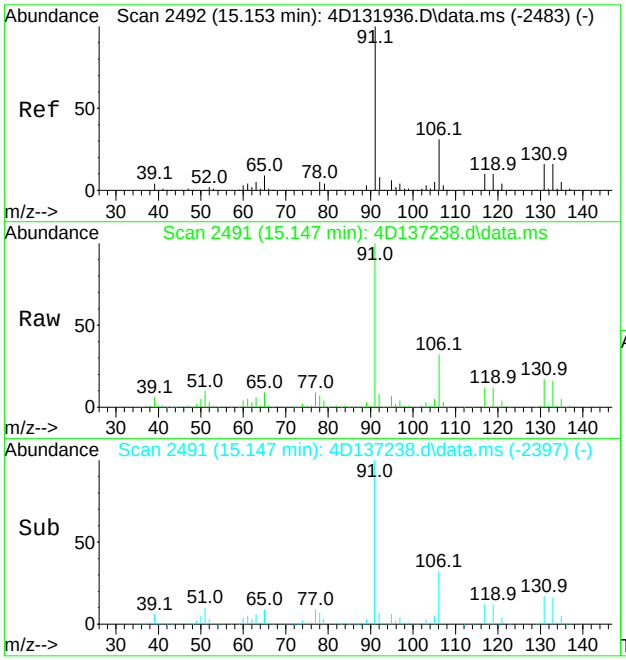


#87
1,1,1,2-tetrachloroethane
Concen: 18.7902 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:131 Resp: 90802

Ion	Ratio	Lower	Upper
131	100		
133	97.1	66.4	126.4
119	70.1	37.8	97.8

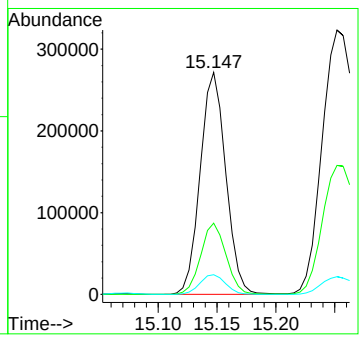


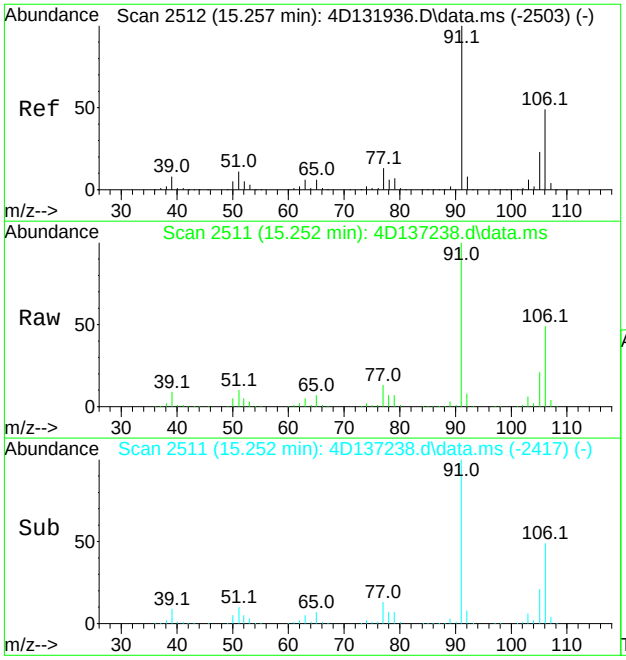


#88
ethylbenzene
Concen: 18.8255 ug/L
RT: 15.147 min Scan# 2491
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 91 Resp: 411283

Ion	Ratio	Lower	Upper
91	100		
106	32.1	1.3	61.3
65	8.9	0.0	39.1

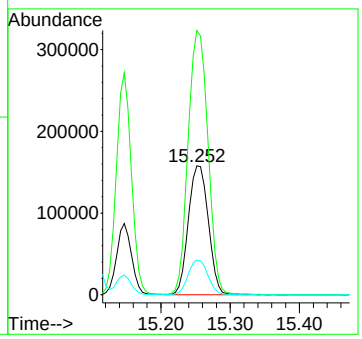


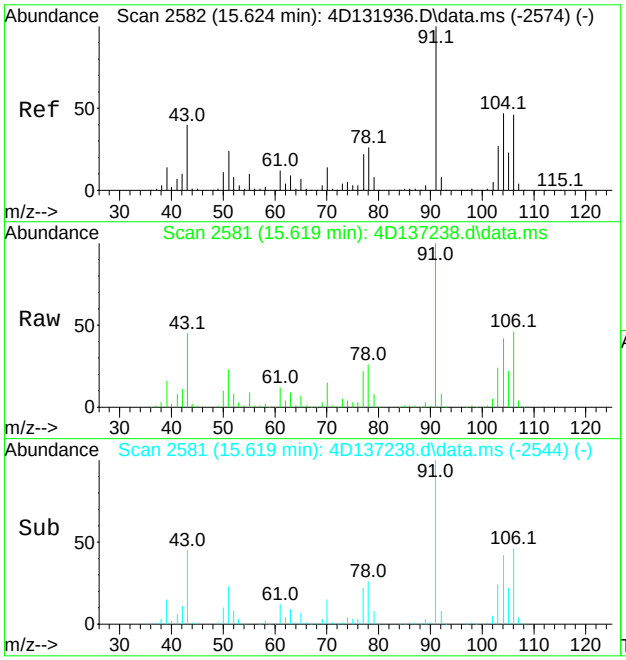


#89
m,p-xylene
Concen: 37.7661 ug/L
RT: 15.252 min Scan# 2511
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:106 Resp: 317392

Ion	Ratio	Lower	Upper
106	100		
91	205.0	173.6	233.6
77	27.0	5.6	45.6

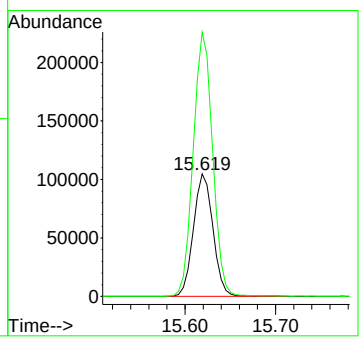


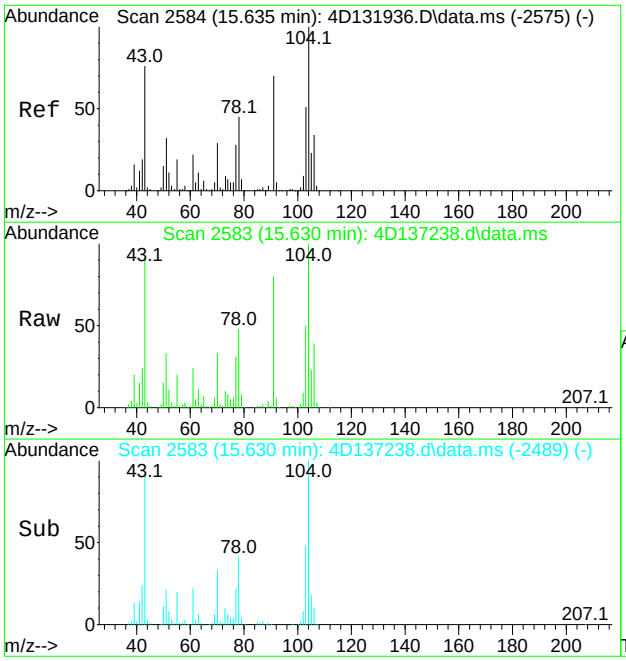


#90
o-xylene
Concen: 19.0592 ug/L
RT: 15.619 min Scan# 2581
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:106 Resp: 156833

Ion	Ratio	Lower	Upper
106	100		
91	215.7	188.2	248.2

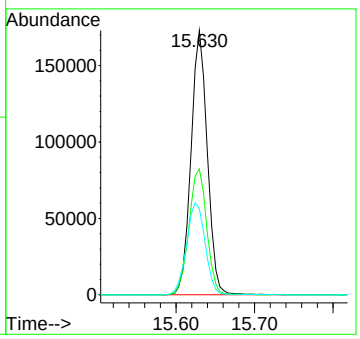


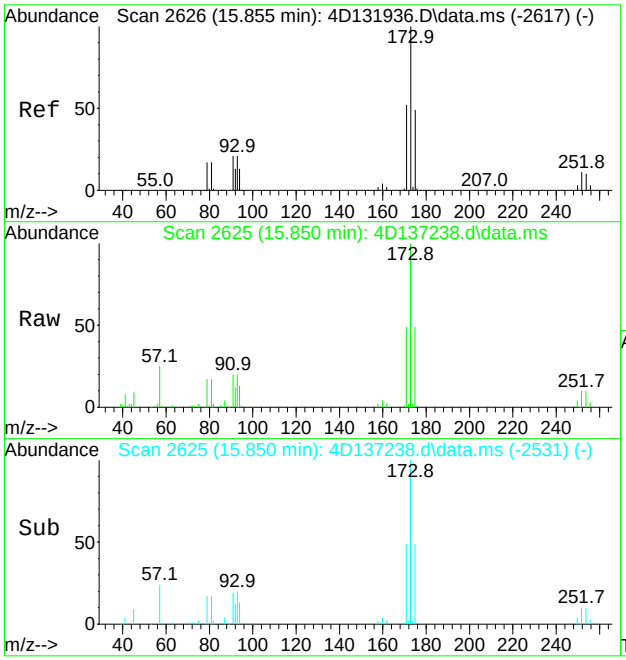


#91
styrene
Concen: 18.1122 ug/L
RT: 15.630 min Scan# 2583
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:104 Resp: 250184

Ion	Ratio	Lower	Upper
104	100		
78	47.6	14.9	74.9
51	32.5	2.1	62.1

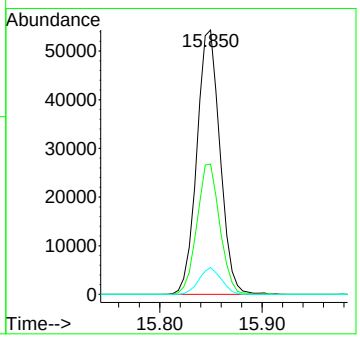


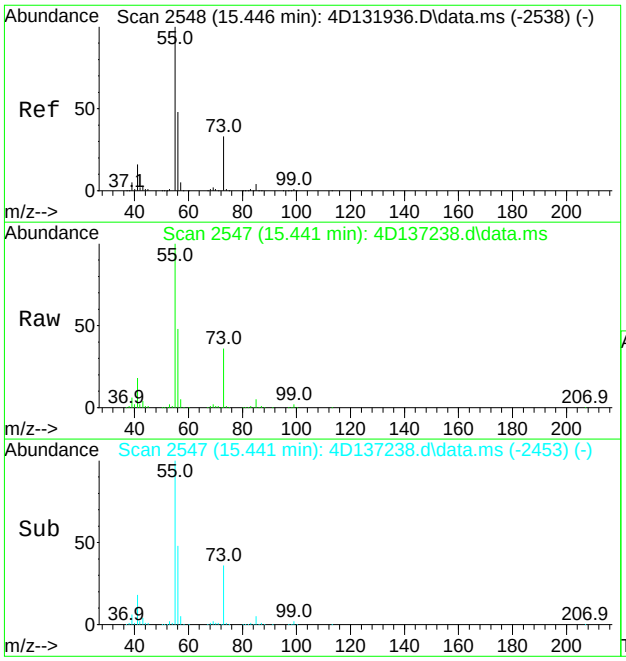


#92
bromoform
Concen: 19.8646 ug/L
RT: 15.850 min Scan# 2625
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:173 Resp: 85589

Ion	Ratio	Lower	Upper
173	100		
175	49.3	18.7	78.7
254	10.2	0.0	40.1

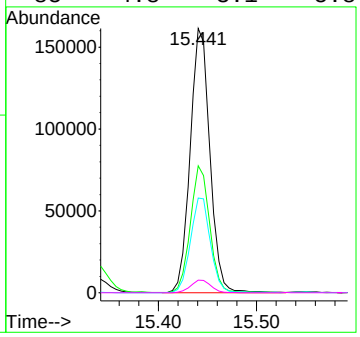


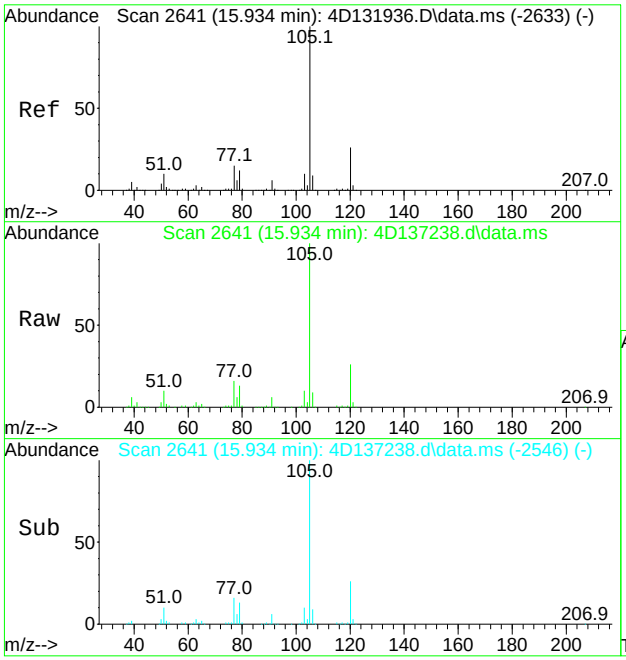


#93
butyl acrylate
Concen: 17.4610 ug/L
RT: 15.441 min Scan# 2547
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 55 Resp: 225568

Ion	Ratio	Lower	Upper
55	100		
56	47.9	33.5	62.1
73	35.9	23.2	43.2
85	4.8	3.1	5.8

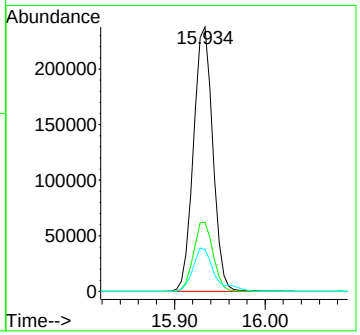


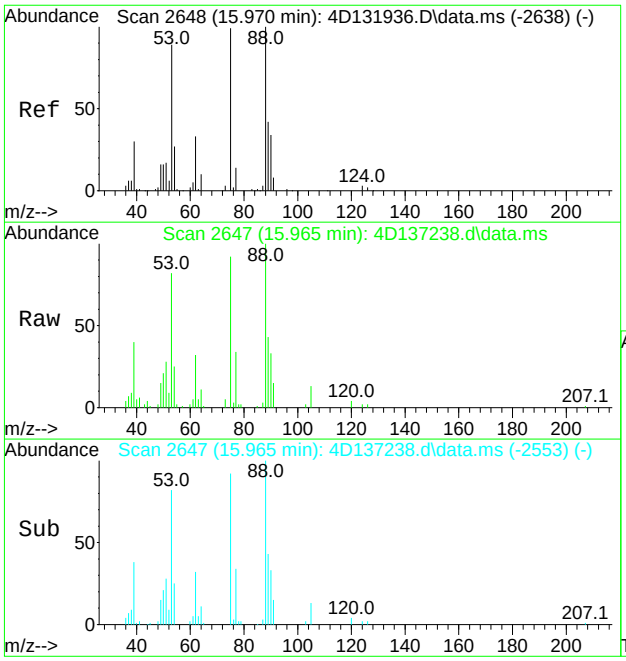


#94
isopropylbenzene
Concen: 18.4590 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:105 Resp: 351978

Ion	Ratio	Lower	Upper
105	100		
120	26.2	5.9	45.9
77	15.8	0.0	34.7

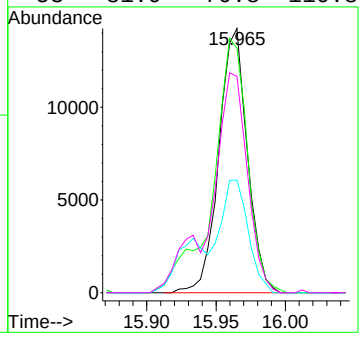


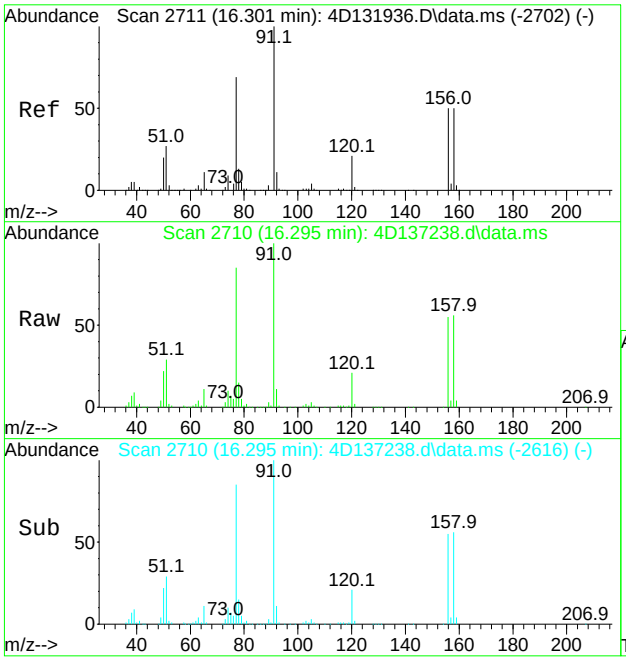


#95
cis-1,4-dichloro-2-butene
Concen: 8.0826 ug/L
RT: 15.965 min Scan# 2647
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 88 Resp: 20315

Ion	Ratio	Lower	Upper
88	100		
75	92.5	80.4	120.4
89	42.6	23.8	63.8
53	81.9	70.8	110.8

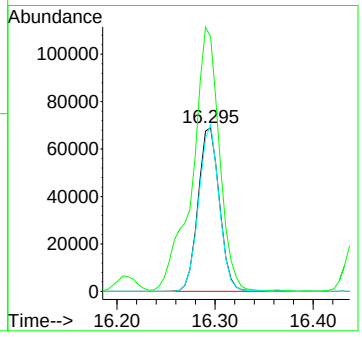


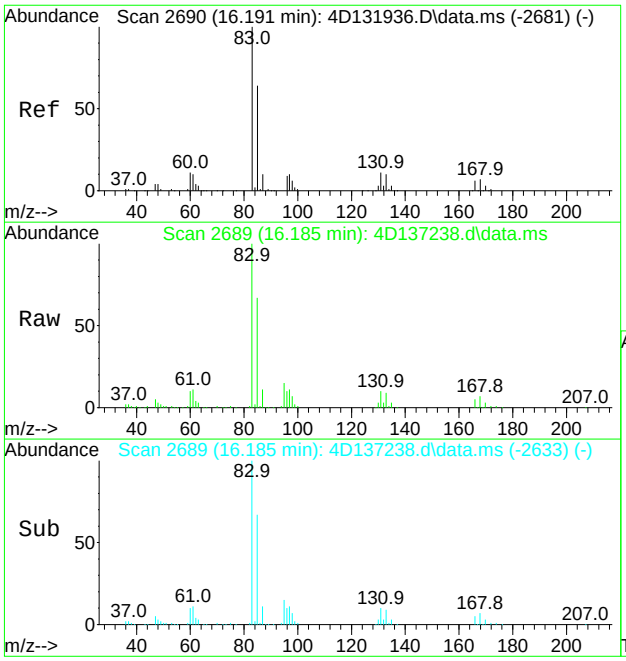


#98
bromobenzene
Concen: 20.2038 ug/L
RT: 16.295 min Scan# 2710
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:156 Resp: 104066

Ion	Ratio	Lower	Upper
156	100		
77	155.1	114.1	174.1
158	102.0	69.3	129.3

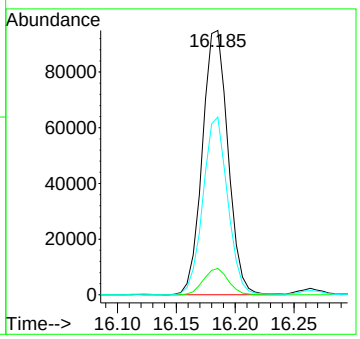


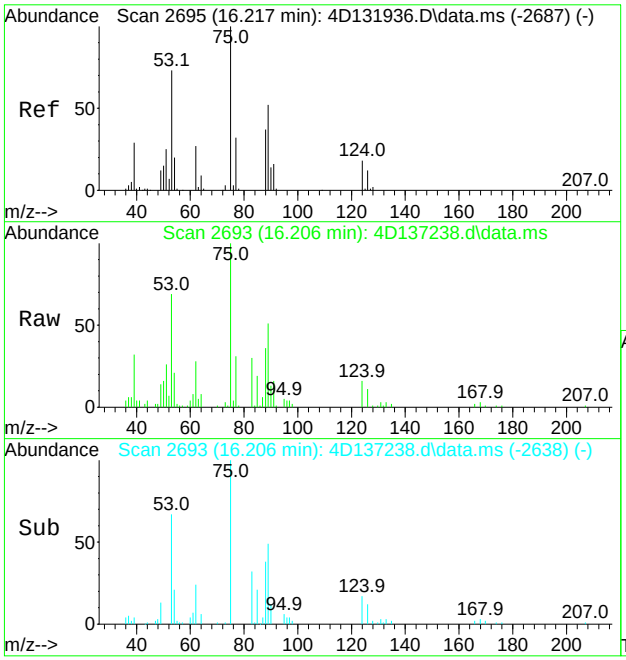


#99
1,1,2,2-tetrachloroethane
Concen: 21.1160 ug/L
RT: 16.185 min Scan# 2689
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 83 Resp: 144080

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	40.7
85	67.2	33.7	93.7

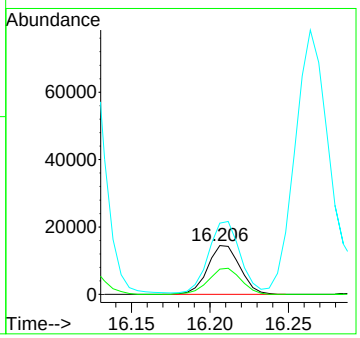


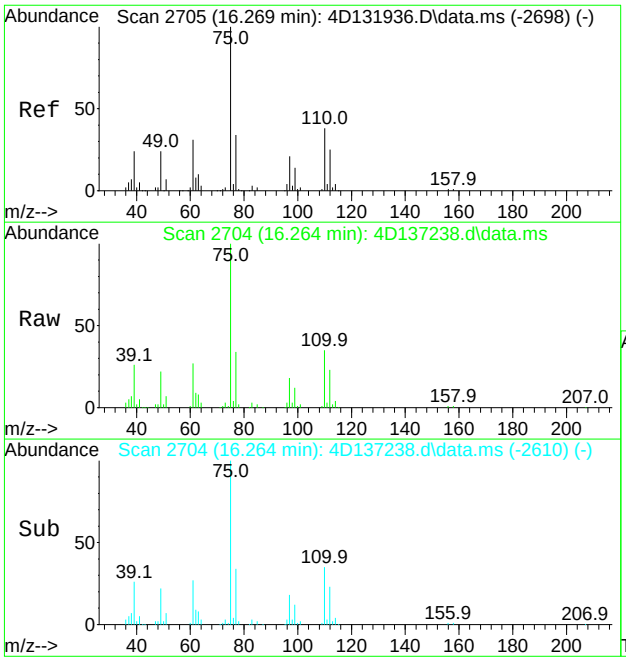


#100
trans-1,4-dichloro-2-butene
Concen: 10.0404 ug/L
RT: 16.206 min Scan# 2693
Delta R.T. -0.011 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 53 Resp: 20849

Ion	Ratio	Lower	Upper
53	100		
88	51.7	20.8	80.8
75	141.8	106.5	166.5

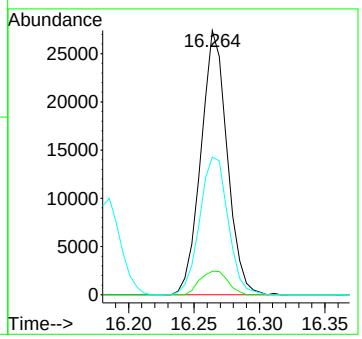


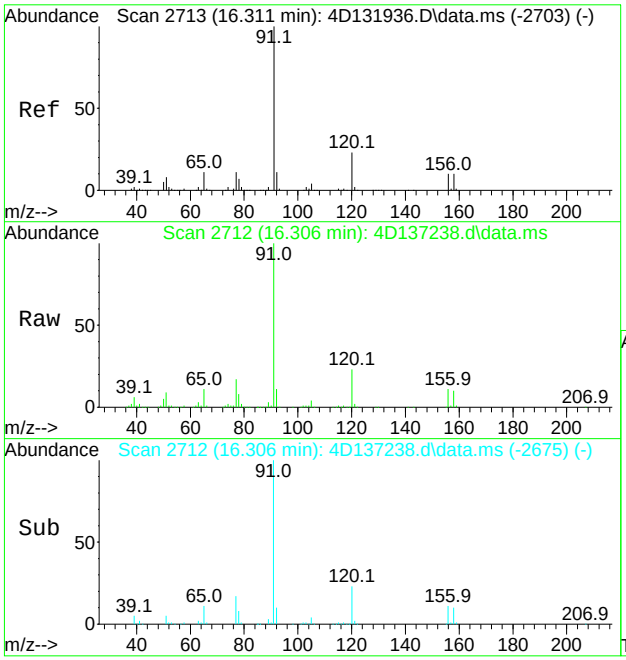


#101
1,2,3-trichloropropane
Concen: 20.9421 ug/L
RT: 16.264 min Scan# 2704
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:110 Resp: 38313

Ion	Ratio	Lower	Upper
110	100		
111	8.9	0.0	40.4
97	52.1	25.6	85.6

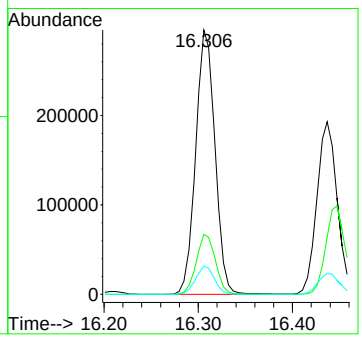


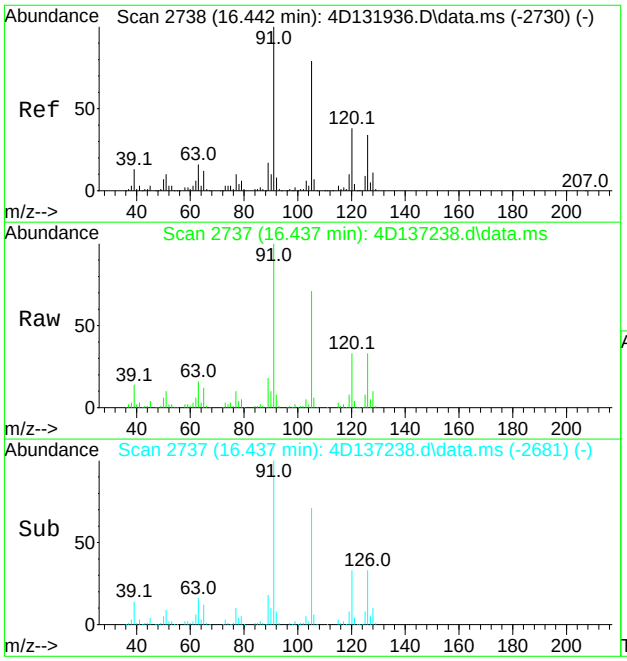


#102
n-propylbenzene
Concen: 19.6117 ug/L
RT: 16.306 min Scan# 2712
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 91 Resp: 421543

Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	53.1
65	10.7	0.0	40.8

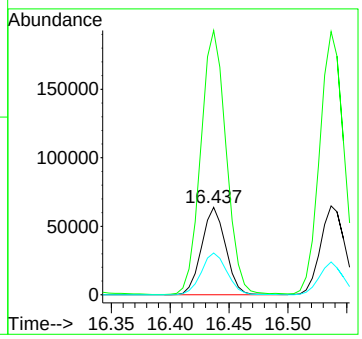


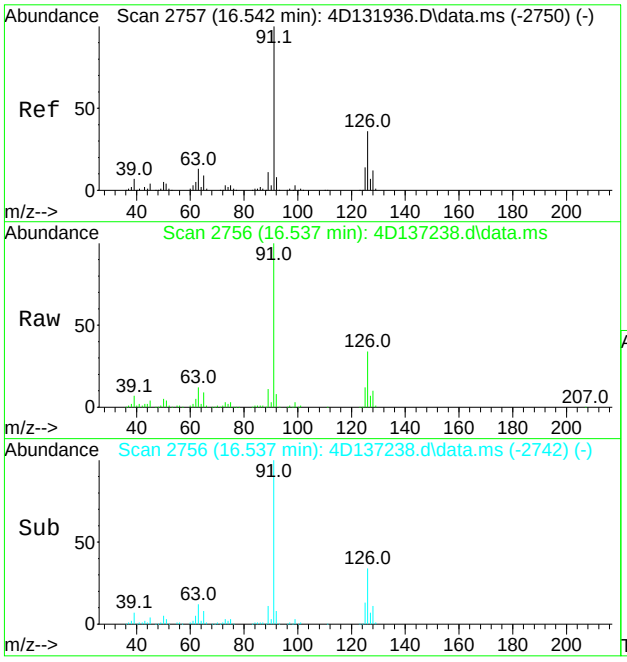


#103
2-chlorotoluene
Concen: 19.6027 ug/L
RT: 16.437 min Scan# 2737
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:126 Resp: 90816

Ion	Ratio	Lower	Upper
126	100		
91	302.1	265.9	325.9
63	47.8	18.3	78.3

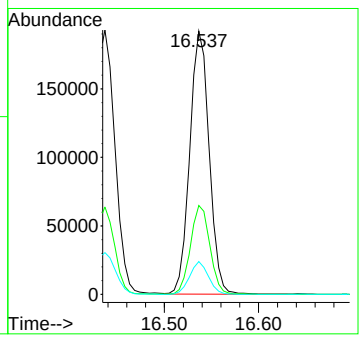


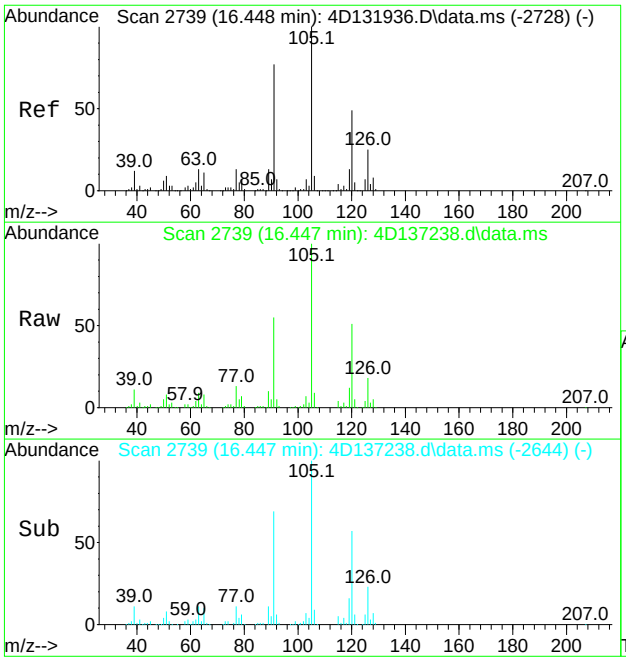


#104
4-chlorotoluene
Concen: 19.4069 ug/L
RT: 16.537 min Scan# 2756
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 91 Resp: 274204

Ion	Ratio	Lower	Upper
91	100		
126	33.8	5.5	65.5
63	12.5	0.0	42.5

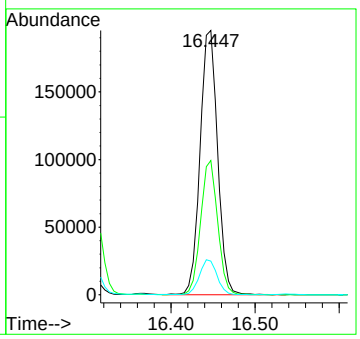


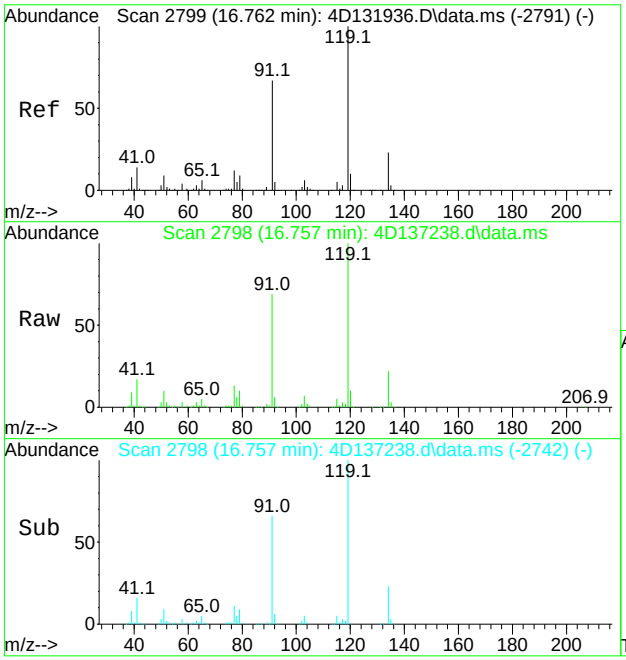


#105
1,3,5-trimethylbenzene
Concen: 18.6726 ug/L
RT: 16.447 min Scan# 2739
Delta R.T. -0.001 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:105 Resp: 282660

Ion	Ratio	Lower	Upper
105	100		
120	50.7	19.3	79.3
77	12.6	0.0	42.7

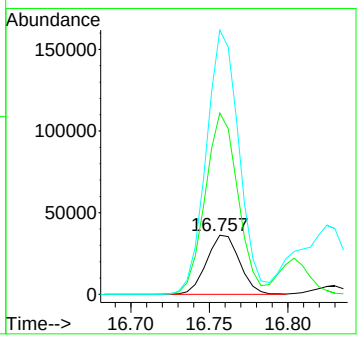


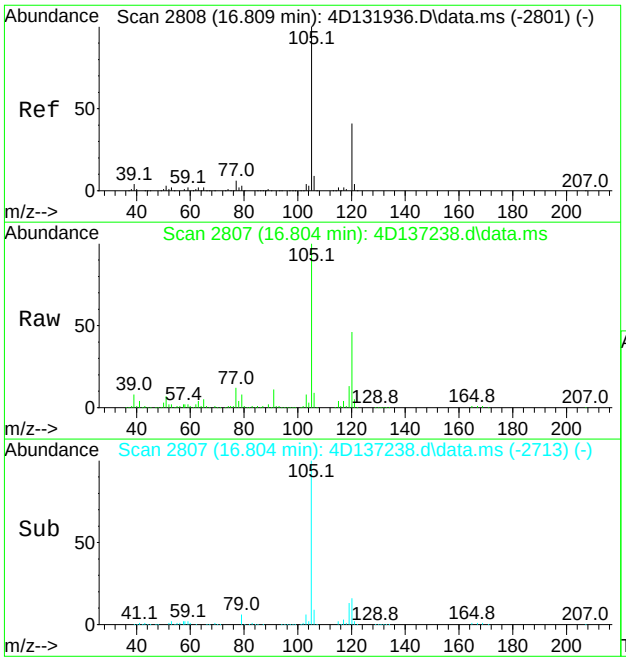


#106
tert-butylbenzene
Concen: 18.8882 ug/L
RT: 16.757 min Scan# 2798
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:134 Resp: 53056

Ion	Ratio	Lower	Upper
134	100		
91	305.6	266.0	326.0
119	446.5	410.0	470.0

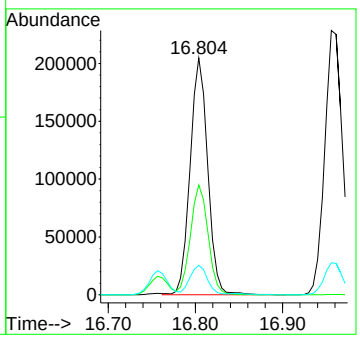


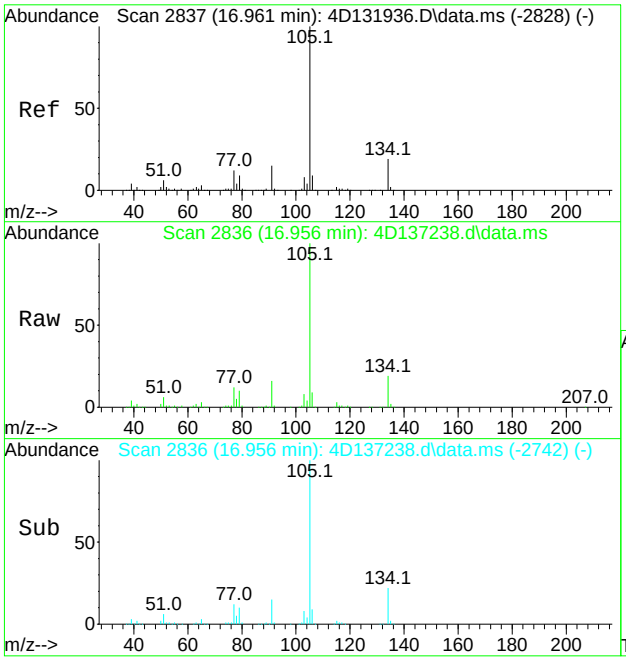


#107
1,2,4-trimethylbenzene
Concen: 18.8153 ug/L
RT: 16.804 min Scan# 2807
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:105 Resp: 287044

Ion	Ratio	Lower	Upper
105	100		
120	46.5	15.8	75.8
77	12.5	0.0	41.4

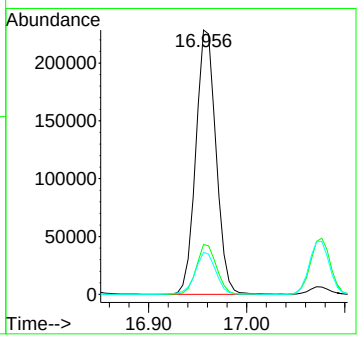


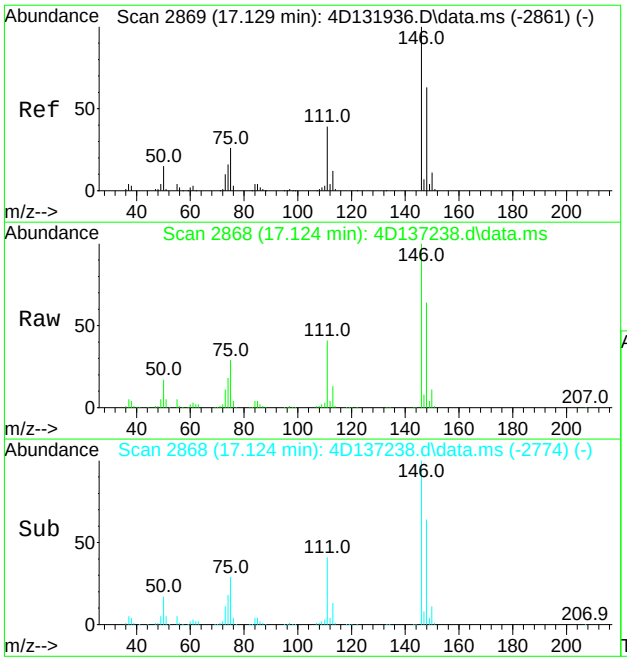


#108
sec-butylbenzene
Concen: 18.6369 ug/L
RT: 16.956 min Scan# 2836
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:105 Resp: 328004

Ion	Ratio	Lower	Upper
105	100		
134	18.9	0.0	48.6
91	16.0	0.0	45.4

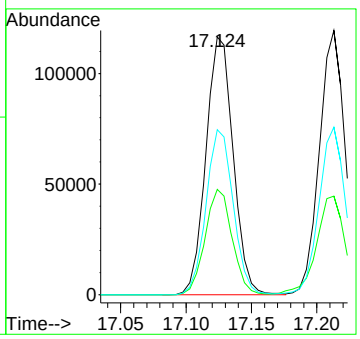


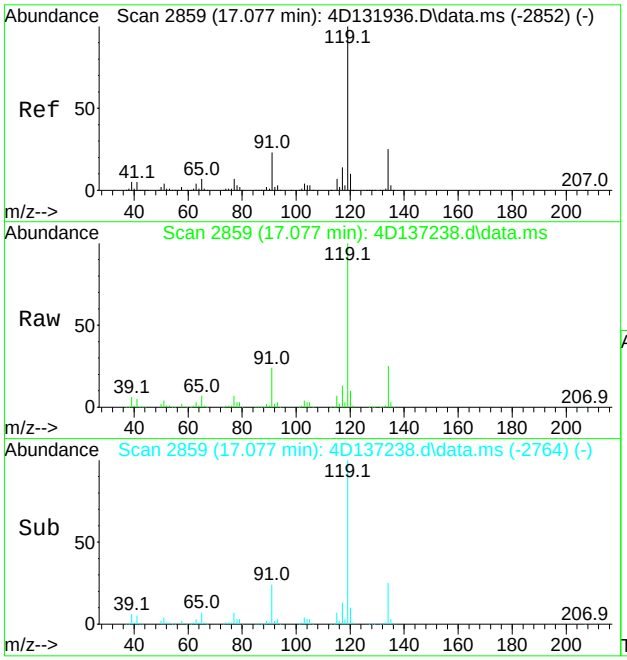


#109
1,3-dichlorobenzene
Concen: 19.0659 ug/L
RT: 17.124 min Scan# 2868
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:146 Resp: 169646

Ion	Ratio	Lower	Upper
146	100		
111	40.9	9.4	69.4
148	64.0	33.3	93.3

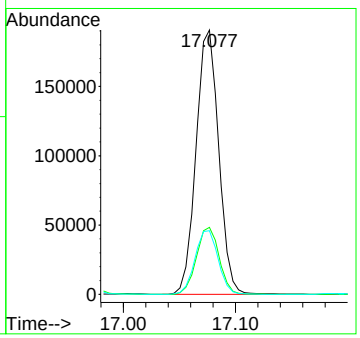


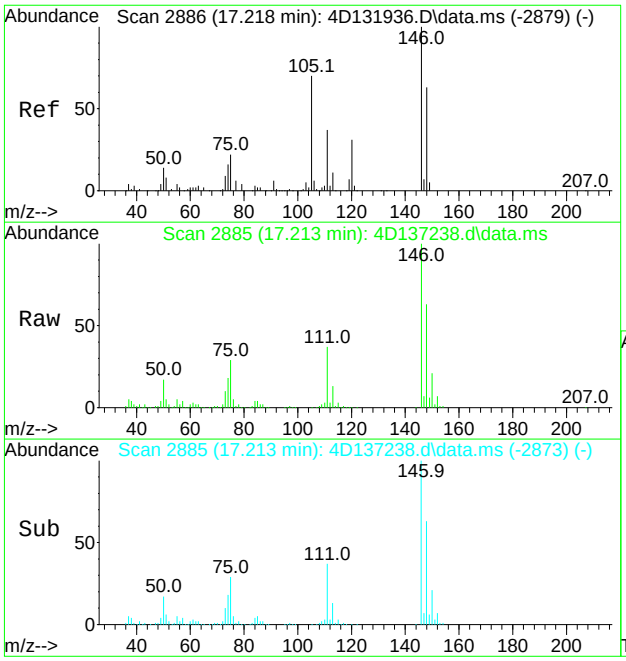


#110
p-isopropyltoluene
Concen: 18.3685 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. -0.000 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:119 Resp: 267863

Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	55.5
91	24.0	0.0	53.2

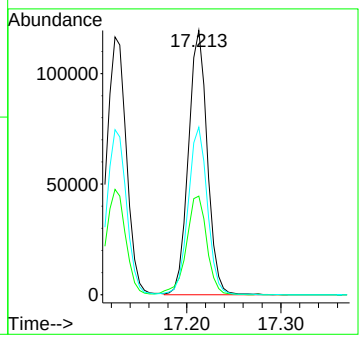


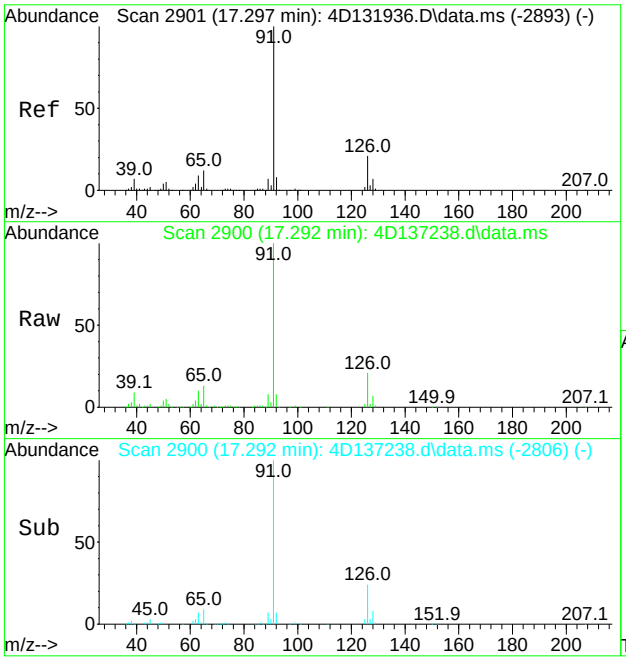


#111
1,4-dichlorobenzene
Concen: 19.4331 ug/L
RT: 17.213 min Scan# 2885
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:146 Resp: 166482

Ion	Ratio	Lower	Upper
146	100		
111	37.3	7.6	67.6
148	63.4	33.6	93.6

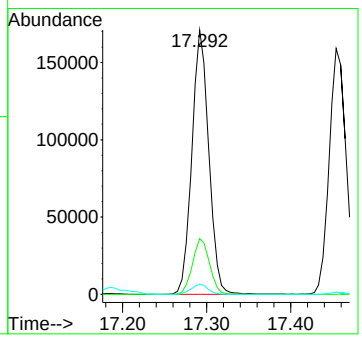


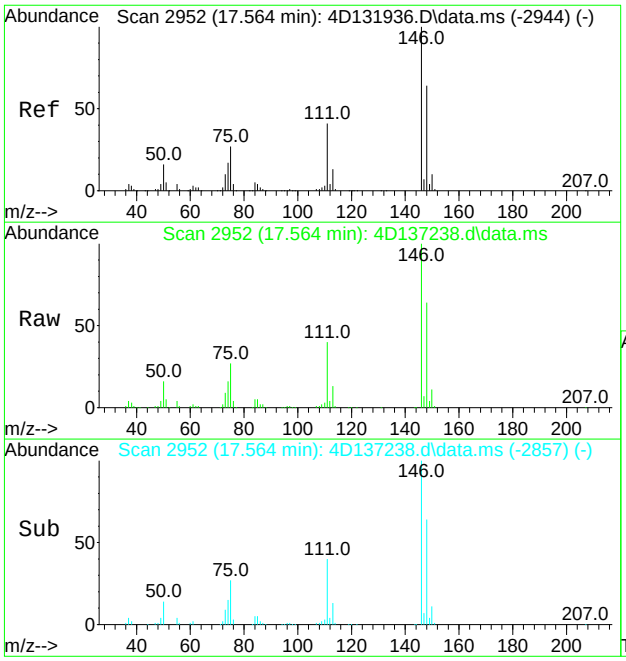


#113
benzyl chloride
Concen: 20.4990 ug/L
RT: 17.292 min Scan# 2900
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 91 Resp: 238798

Ion	Ratio	Lower	Upper
91	100		
126	21.1	0.0	51.2
62	3.9	0.0	34.2

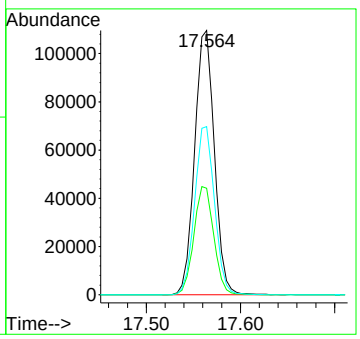


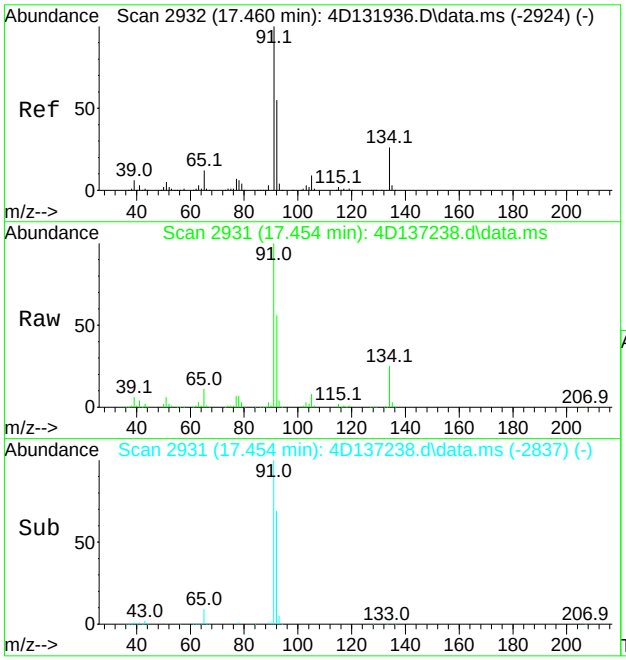


#114
1,2-dichlorobenzene
Concen: 19.0260 ug/L
RT: 17.564 min Scan# 2952
Delta R.T. 0.000 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:146 Resp: 159735

Ion	Ratio	Lower	Upper
146	100		
111	40.3	11.4	71.4
148	63.6	33.6	93.6

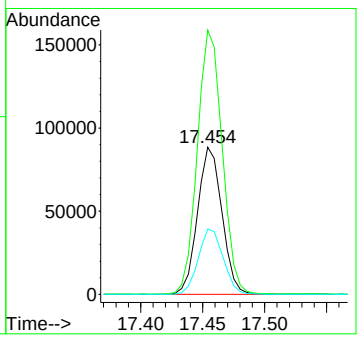


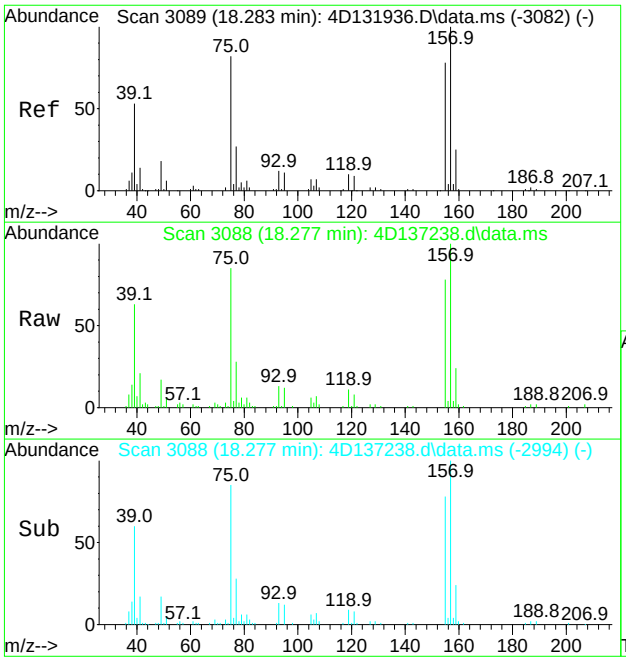


#115
n-butylbenzene
Concen: 18.9525 ug/L
RT: 17.454 min Scan# 2931
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion: 92 Resp: 121847

Ion	Ratio	Lower	Upper
92	100		
91	179.4	151.4	211.4
134	44.4	16.5	76.5

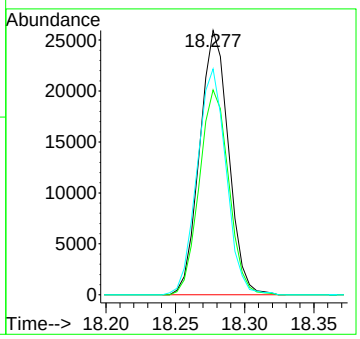


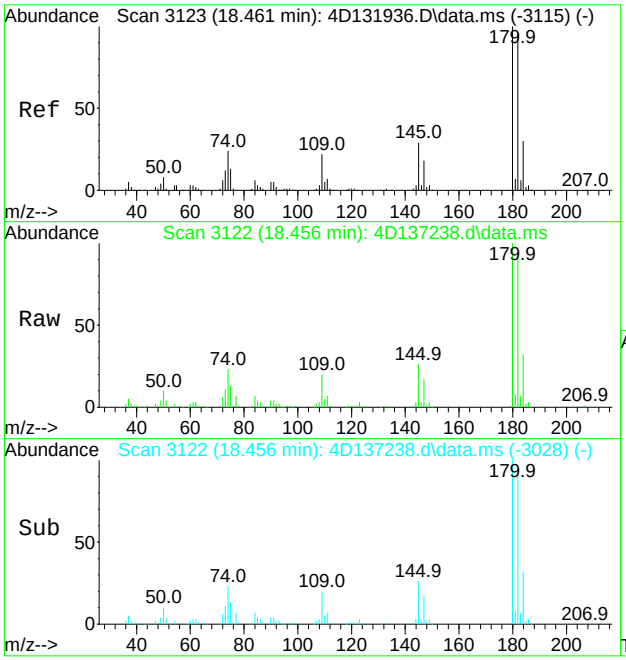


#116
1,2-dibromo-3-chloropropane
Concen: 20.0661 ug/L
RT: 18.277 min Scan# 3088
Delta R.T. -0.006 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:157 Resp: 37615

Ion	Ratio	Lower	Upper
157	100		
155	77.5	48.1	108.1
75	85.5	52.3	112.3

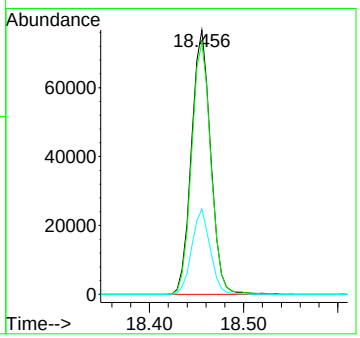


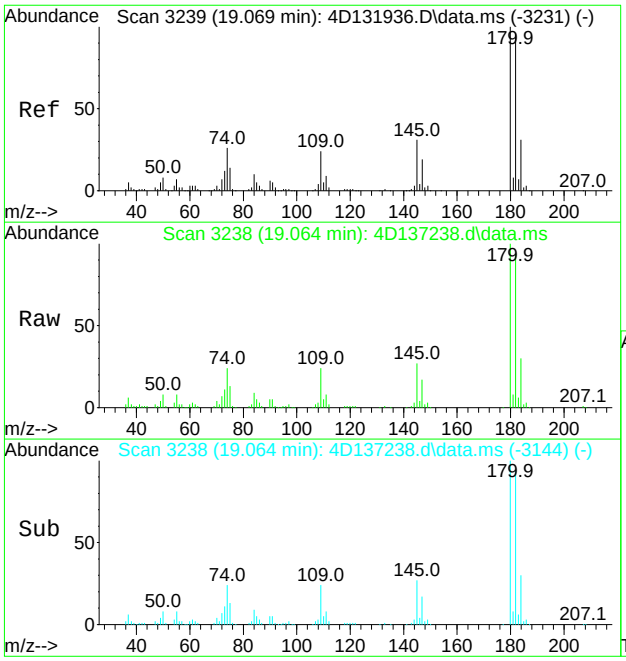


#117
1,3,5-trichlorobenzene
Concen: 20.8610 ug/L
RT: 18.456 min Scan# 3122
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:180 Resp: 108282

Ion	Ratio	Lower	Upper
180	100		
182	95.3	66.1	126.1
184	32.3	0.3	60.3

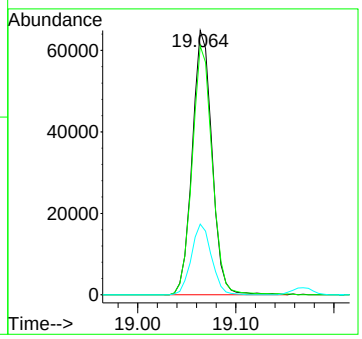


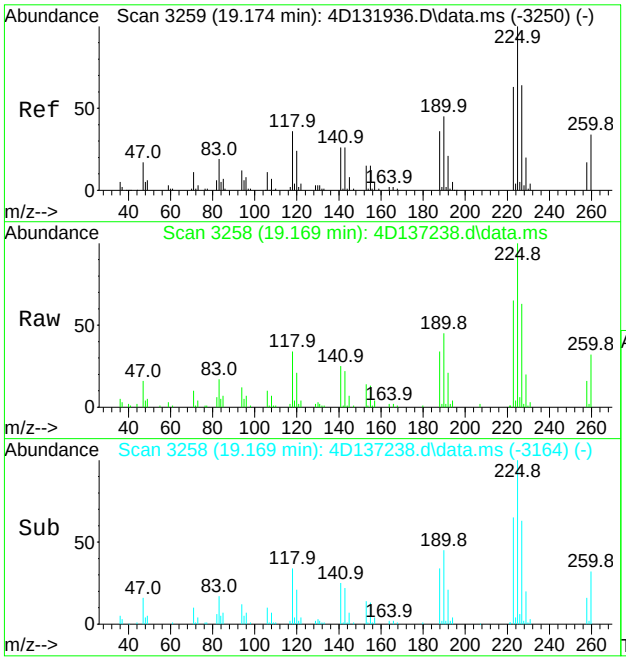


#118
1,2,4-trichlorobenzene
Concen: 20.1299 ug/L
RT: 19.064 min Scan# 3238
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:180 Resp: 90963

Ion	Ratio	Lower	Upper
180	100		
182	94.1	65.6	125.6
145	26.7	0.8	60.8

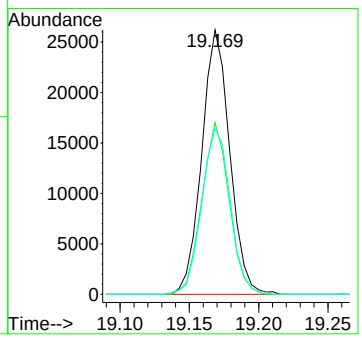


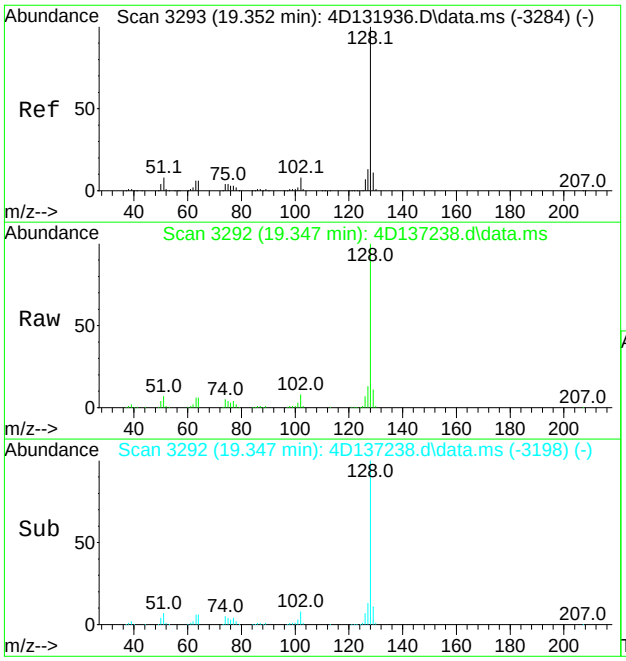


#119
hexachlorobutadiene
Concen: 20.8547 ug/L
RT: 19.169 min Scan# 3258
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:225 Resp: 36786

Ion	Ratio	Lower	Upper
225	100		
223	64.9	33.3	93.3
227	62.6	33.8	93.8

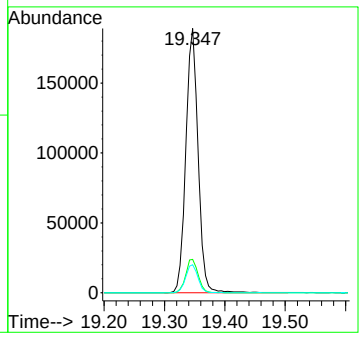


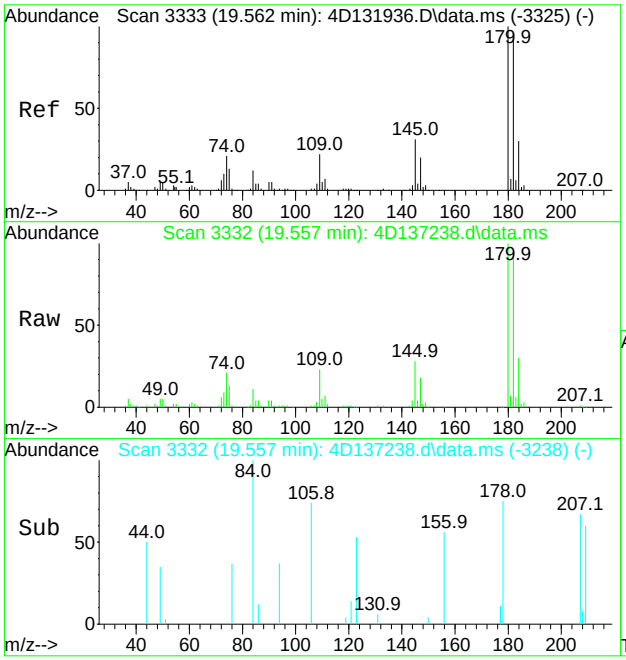


#120
naphthalene
Concen: 17.8111 ug/L
RT: 19.347 min Scan# 3292
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:128 Resp: 267157

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.5
129	10.6	0.0	41.0

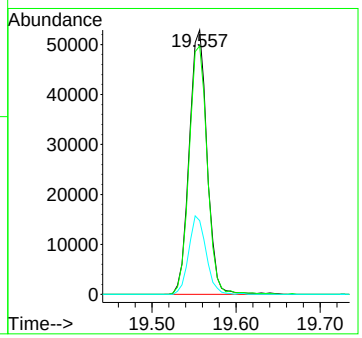


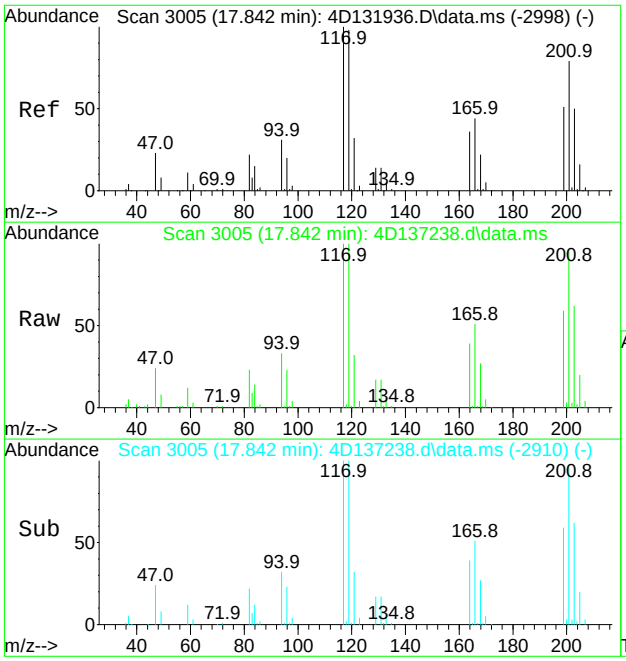


#121
1,2,3-trichlorobenzene
Concen: 19.3168 ug/L
RT: 19.557 min Scan# 3332
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:180 Resp: 77797

Ion	Ratio	Lower	Upper
180	100		
182	93.9	66.3	126.3
145	27.9	1.3	61.3

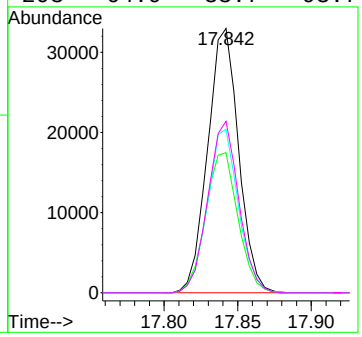


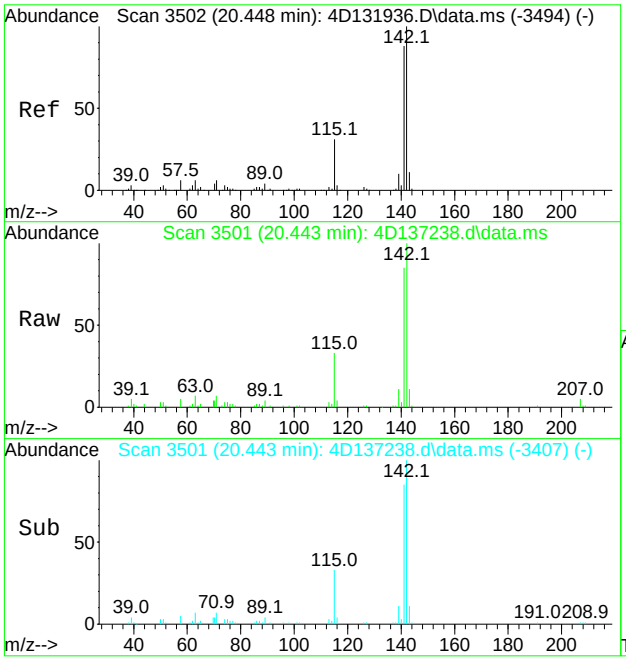


#122
hexachloroethane
Concen: 21.9444 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. 0.000 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:201 Resp: 48223

Ion	Ratio	Lower	Upper
201	100		
166	53.0	26.1	86.1
199	61.8	33.8	93.8
203	64.9	33.7	93.7

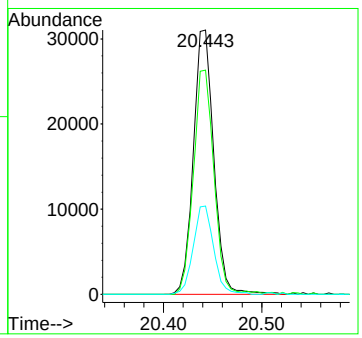




#123
2-methylnaphthalene
Concen: 7.0783 ug/L
RT: 20.443 min Scan# 3501
Delta R.T. -0.005 min
Lab File: 4D137238.d
Acq: 11 Jun 2024 2:46 pm

Tgt Ion:142 Resp: 45164

Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.9	107.9
115	33.4	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137239.d
Acq On : 11 Jun 2024 3:14 pm
Operator : nickw
Sample : jd89699-4msd Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 19:43:12 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.814	65	652191	500.00	ug/L	-0.02
5) pentafluorobenzene	11.294	168	549507	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.201	114	938204	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	717543	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	310943	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.294	168	549507	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	310943	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.330	113	318490	54.30	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.60%			
52) 1,2-dichloroethane-d4 (s)	11.745	65	342121	49.68	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.36%			
74) toluene-d8 (s)	13.700	98	988919	52.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.08%			
97) 4-bromofluorobenzene (s)	16.122	95	349148	53.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.52%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.945	59	180650	87.4383	ug/L	97
3) ethanol	7.304	45	410744	2093.1589	ug/L	100
4) 1,4-dioxane	12.804	88	64054	491.8336	ug/L	91
7) dichlorodifluoromethane	4.735	85	128040	15.3153	ug/L	98
8) chloromethane	5.227	50	125486	13.7588	ug/L	98
9) vinyl chloride	5.500	62	109266	14.4897	ug/L	99
10) 1,3-butadiene	5.600	54	132709	22.1452	ug/L	93
11) bromomethane	6.287	94	81213	20.0543	ug/L	96
12) chloroethane	6.528	64	77221	17.7745	ug/L	99
13) trichlorofluoromethane	7.078	101	171072	19.1090	ug/L	97
14) ethyl ether	7.582	74	69672	22.5358	ug/L	89
15) acrolein	7.844	56	30988	16.8867	ug/L	93
16) freon 113	8.064	151	78072	19.3752	ug/L	98
17) 1,1-dichloroethene	8.074	96	94738	20.6437	ug/L	88
18) acetone	8.074	58	74229	54.6628	ug/L	88
19) acetonitrile	8.552	41	291098	216.1762	ug/L	99
20) iodomethane	8.358	142	145400	22.0209	ug/L	98
21) carbon disulfide	8.520	76	274753	19.2631	ug/L	97
22) methylene chloride	8.887	84	118963	19.5210	ug/L	93
23) methyl acetate	8.614	74	31938	22.3938	ug/L	92
24) methyl tert butyl ether	9.280	73	357103	20.8977	ug/L	96
25) trans-1,2-dichloroethene	9.327	96	114331	22.0926	ug/L	91
26) di-isopropyl ether	9.941	45	419382	20.6035	ug/L	98
27) 2-butanone	10.659	72	98189	79.5192	ug/L	95
28) 1,1-dichloroethane	9.967	63	209311	20.0007	ug/L	99
29) chloroprene	10.072	53	174236	18.3728	ug/L	95
30) acrylonitrile	9.212	53	71398	20.0979	ug/L	98
31) hexane	9.726	56	71717	14.7160	ug/L	97
32) vinyl acetate	9.894	86	29305	24.6202	ug/L #	94
33) ethyl tert-butyl ether	10.444	59	384334	18.9682	ug/L	96
34) ethyl acetate	10.680	70	20697	17.6251	ug/L	96
35) 2,2-dichloropropane	10.759	77	161729	19.7216	ug/L	93
36) cis-1,2-dichloroethene	10.738	96	1064040	176.2348	ug/L	91
37) methyl acrylate	10.764	55	195569	18.0919	ug/L	99
38) propionitrile	10.743	54	286997	181.9410	ug/L	93
39) bromochloromethane	11.047	128	59445	19.6974	ug/L	99
40) tetrahydrofuran	11.063	72	26617	20.8573	ug/L	93
41) chloroform	11.136	85	136260	22.2289	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137239.d
Acq On : 11 Jun 2024 3:14 pm
Operator : nickw
Sample : jd89699-4msd Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 19:43:12 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	11.168	59	32792	12.4165	ug/L		99
44) methacrylonitrile	10.953	67	67294	19.7811	ug/L		93
45) 1,1,1-trichloroethane	11.398	97	168429	20.2608	ug/L		97
46) cyclohexane	11.509	84	135127	18.0397	ug/L		88
47) 1,1-dichloropropene	11.571	75	145814	20.8445	ug/L		100
48) isobutyl alcohol	11.530	74	14023	217.6029	ug/L	#	49
49) carbon tetrachloride	11.592	117	144775	20.2278	ug/L		96
50) tert amyl alcohol	11.682	55	55399	91.5498	ug/L		94
53) n-butyl alcohol	12.243	56	430922	920.5668	ug/L		90
54) 2,2,4-trimethylpentane	11.897	57	262491	16.5659	ug/L		99
55) benzene	11.813	78	420115	20.1926	ug/L		100
56) tert-amyl methyl ether	11.881	87	74313	18.7104	ug/L		96
57) heptane	12.049	71	65465	18.9710	ug/L		91
58) isopropyl acetate	11.713	87	33769	21.3287	ug/L	#	76
59) 1,2-dichloroethane	11.834	62	149067	17.2739	ug/L		97
60) trichloroethene	12.494	130	578322	100.4645	ug/L		96
61) ethyl acrylate	12.473	55	196789	17.7873	ug/L		92
63) 2-chloroethyl vinyl ether	13.213	63	25032	7.8137	ug/L		96
64) methyl methacrylate	12.720	100	36170	18.2219	ug/L		91
65) 1,2-dichloropropane	12.762	63	110881	18.6388	ug/L		100
66) dibromomethane	12.867	93	73421	19.5942	ug/L		99
67) methylcyclohexane	12.772	83	149171	18.1621	ug/L		95
68) bromodichloromethane	13.003	83	147195	19.2190	ug/L		98
69) epichlorohydrin	13.296	57	96999	85.4780	ug/L		98
70) cis-1,3-dichloropropene	13.417	75	180259	19.7840	ug/L		97
71) 4-methyl-2-pentanone	13.501	58	253296	70.7549	ug/L	#	78
75) toluene	13.768	92	232342	19.4003	ug/L		100
76) trans-1,3-dichloropropene	13.931	75	156792	19.8547	ug/L		97
77) ethyl methacrylate	13.910	69	151554	19.4862	ug/L		98
78) 1,1,2-trichloroethane	14.135	83	86201	20.2056	ug/L		94
79) tetrachloroethene	14.272	164	82459	19.8104	ug/L		98
80) 1,3-dichloropropane	14.298	76	159877	21.2617	ug/L		99
81) 2-hexanone	14.266	58	262294	70.0536	ug/L	#	82
82) butyl acetate	14.329	56	94839	17.8046	ug/L		84
83) dibromochloromethane	14.523	129	112299	18.9111	ug/L		99
84) 1,2-dibromoethane	14.670	107	109167	20.0621	ug/L		97
85) n-butyl ether	15.032	57	415958	18.4653	ug/L		98
86) chlorobenzene	15.100	112	249952	18.9730	ug/L		97
87) 1,1,1,2-tetrachloroethane	15.152	131	90963	19.1258	ug/L		99
88) ethylbenzene	15.147	91	410679	19.0997	ug/L		100
89) m,p-xylene	15.252	106	316874	38.3099	ug/L		99
90) o-xylene	15.619	106	156406	19.3126	ug/L		98
91) styrene	15.630	104	251724	18.5163	ug/L		96
92) bromoform	15.850	173	83519	19.6955	ug/L		99
93) butyl acrylate	15.441	55	223796	17.6021	ug/L		98
94) isopropylbenzene	15.934	105	357834	19.0675	ug/L		98
95) cis-1,4-dichloro-2-butene	15.960	88	18284	7.3913	ug/L		95
98) bromobenzene	16.295	156	103485	19.7884	ug/L		95
99) 1,1,2,2-tetrachloroethane	16.180	83	140499	20.2810	ug/L		98
100) trans-1,4-dichloro-2-b...	16.206	53	19295	9.1520	ug/L		97
101) 1,2,3-trichloropropane	16.264	110	37720	20.3074	ug/L		99
102) n-propylbenzene	16.306	91	423397	19.4012	ug/L		99
103) 2-chlorotoluene	16.437	126	90754	19.2942	ug/L		95
104) 4-chlorotoluene	16.537	91	272125	18.9696	ug/L		98
105) 1,3,5-trimethylbenzene	16.442	105	284113	18.4858	ug/L		99
106) tert-butylbenzene	16.757	134	53279	18.6819	ug/L		95
107) 1,2,4-trimethylbenzene	16.804	105	288138	18.6025	ug/L		99
108) sec-butylbenzene	16.956	105	327974	18.3544	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137239.d
Acq On : 11 Jun 2024 3:14 pm
Operator : nickw
Sample : jd89699-4msd Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 19:43:12 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

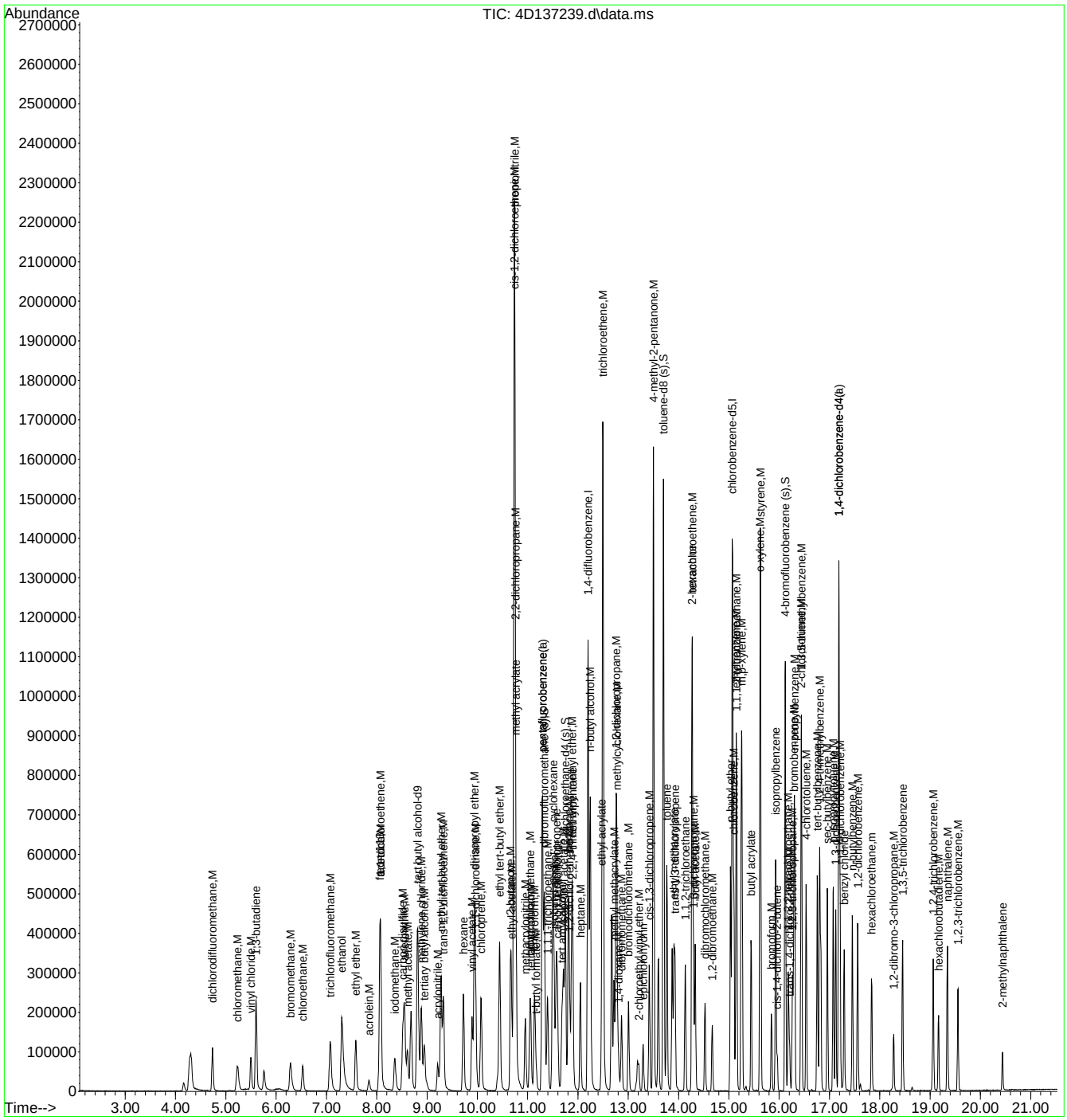
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	17.124	146	170073	18.8260	ug/L	99
110) p-isopropyltoluene	17.077	119	270510	18.2706	ug/L	99
111) 1,4-dichlorobenzene	17.213	146	167569	19.2653	ug/L	99
113) benzyl chloride	17.292	91	228520	19.3212	ug/L	99
114) 1,2-dichlorobenzene	17.564	146	160661	18.8480	ug/L	98
115) n-butylbenzene	17.454	92	123504	18.9209	ug/L	99
116) 1,2-dibromo-3-chloropr...	18.277	157	35418	18.6095	ug/L	99
117) 1,3,5-trichlorobenzene	18.456	180	109164	20.7141	ug/L	99
118) 1,2,4-trichlorobenzene	19.064	180	93213	20.3170	ug/L	97
119) hexachlorobutadiene	19.169	225	37631	21.0124	ug/L	100
120) naphthalene	19.347	128	265611	17.4412	ug/L	100
121) 1,2,3-trichlorobenzene	19.557	180	78511	19.2004	ug/L	98
122) hexachloroethane	17.837	201	46453	20.8205	ug/L	98
123) 2-methylnaphthalene	20.443	142	42892	6.6210	ug/L	98

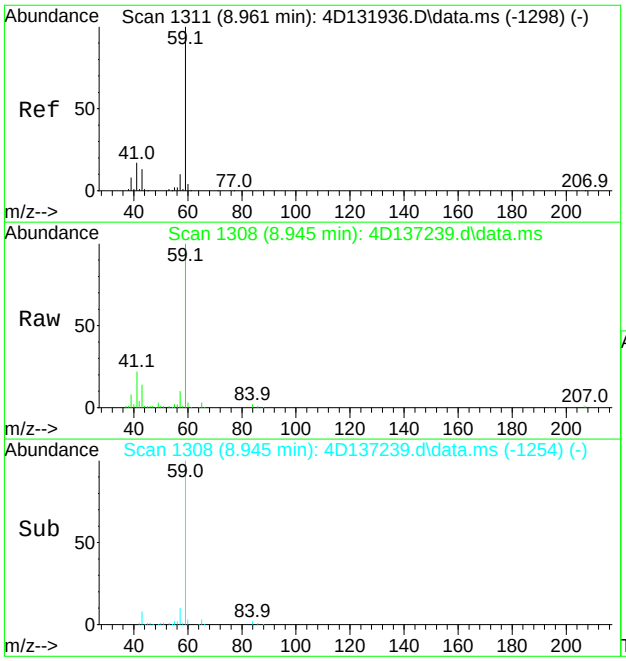
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137239.d
Acq On : 11 Jun 2024 3:14 pm
Operator : nickw
Sample : jd89699-4msd Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 19:43:12 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

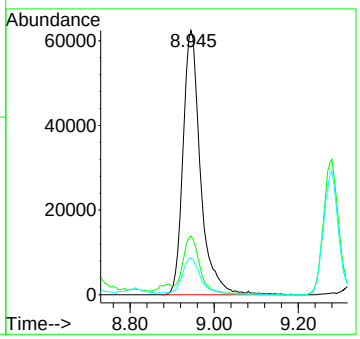


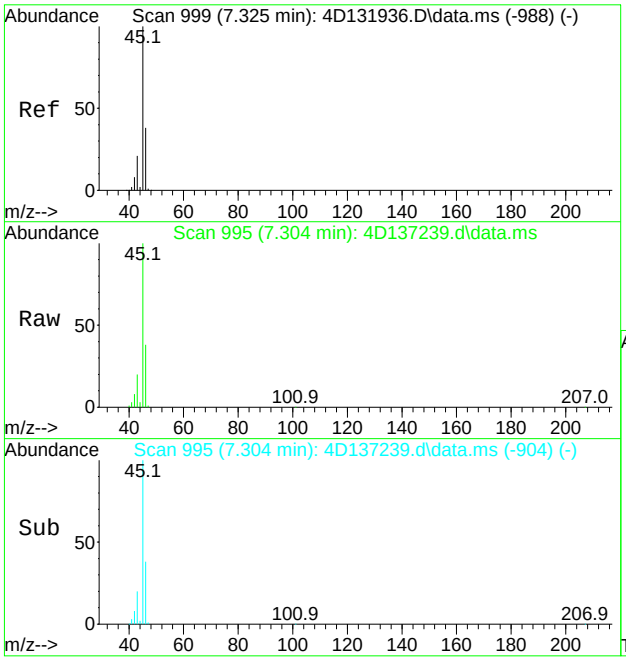


#2
tertiary butyl alcohol
Concen: 87.4383 ug/L
RT: 8.945 min Scan# 1308
Delta R.T. -0.016 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 59 Resp: 180650

Ion	Ratio	Lower	Upper
59	100		
41	22.0	0.0	49.8
43	13.9	0.0	43.7

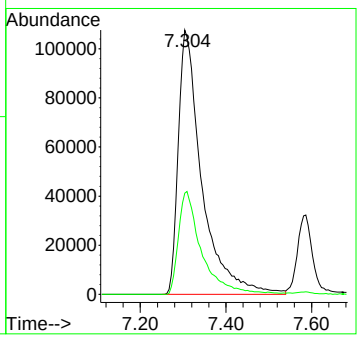


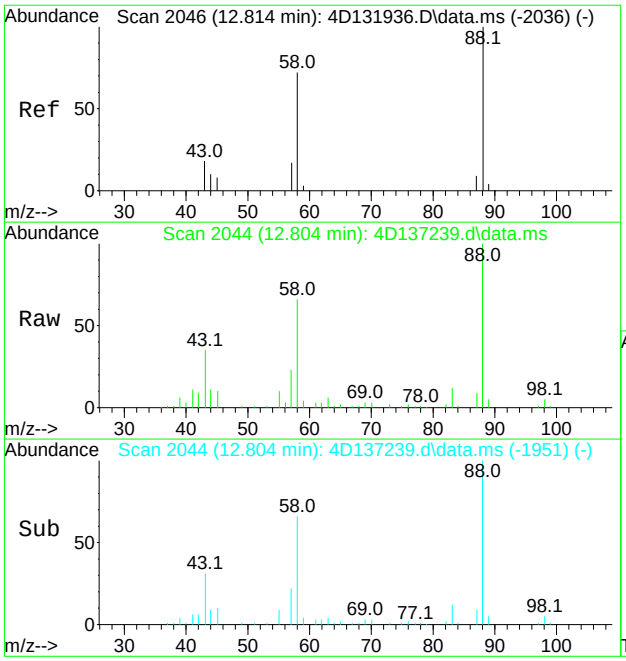


#3
ethanol
Concen: 2093.1589 ug/L
RT: 7.304 min Scan# 995
Delta R.T. -0.021 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 45 Resp: 410744

Ion	Ratio	Lower	Upper
45	100		
46	38.3	8.2	68.2

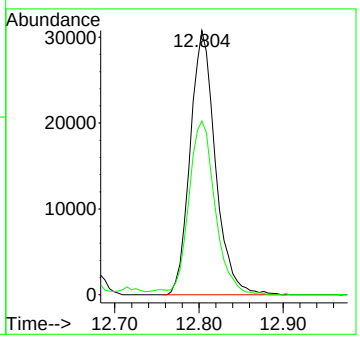


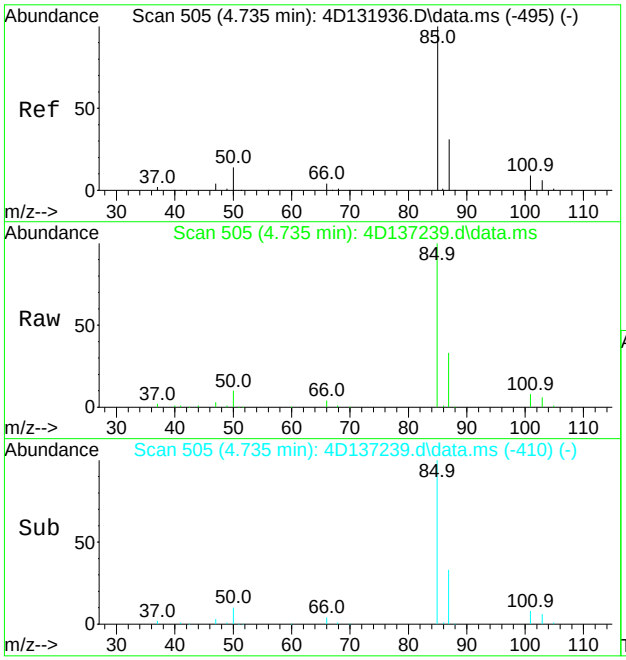


#4
1,4-dioxane
Concen: 491.8336 ug/L
RT: 12.804 min Scan# 2044
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 88 Resp: 64054

Ion	Ratio	Lower	Upper
88	100		
58	65.2	43.1	103.1

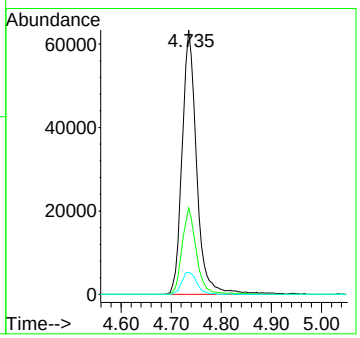


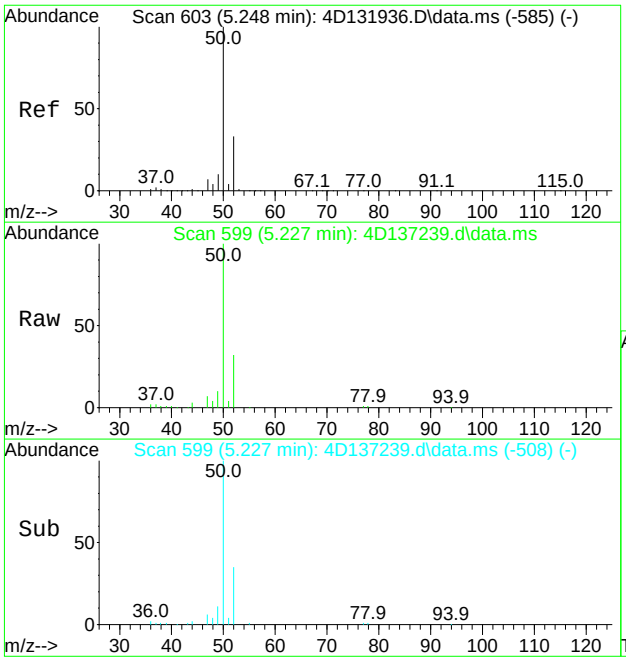


#7
dichlorodifluoromethane
Concen: 15.3153 ug/L
RT: 4.735 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 85 Resp: 128040

Ion	Ratio	Lower	Upper
85	100		
87	32.7	1.4	61.4
101	8.2	0.0	39.3

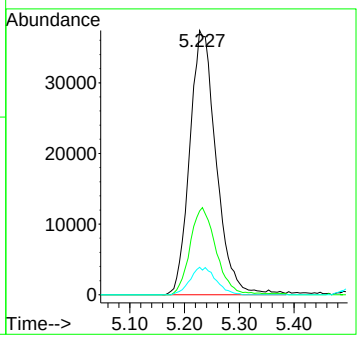


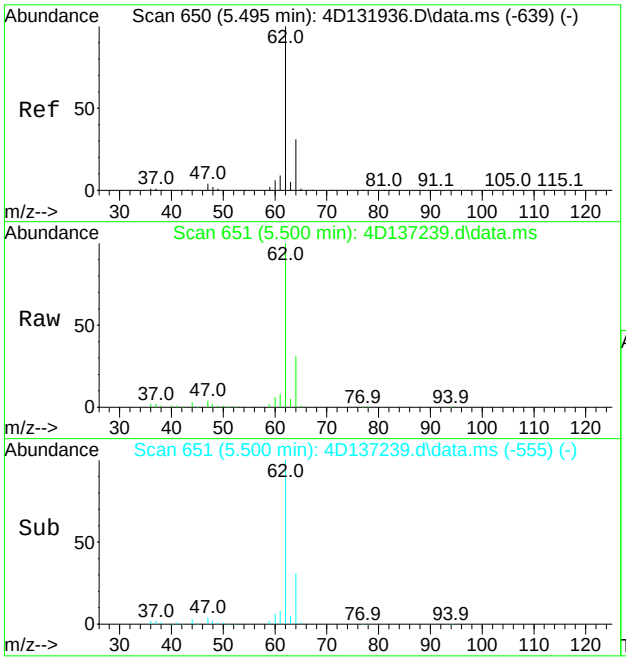


#8
chloromethane
Concen: 13.7588 ug/L
RT: 5.227 min Scan# 599
Delta R.T. -0.021 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 50 Resp: 125486

Ion	Ratio	Lower	Upper
50	100		
52	31.7	2.8	62.8
49	10.4	0.0	40.0

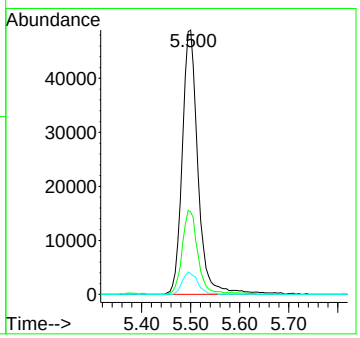


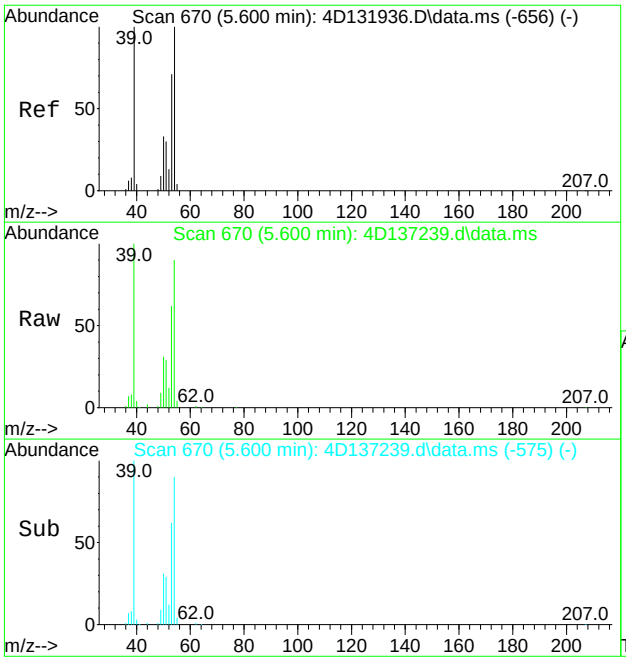


#9
vinyl chloride
Concen: 14.4897 ug/L
RT: 5.500 min Scan# 651
Delta R.T. 0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 62 Resp: 109266

Ion	Ratio	Lower	Upper
62	100		
64	31.1	1.2	61.2
61	7.9	0.0	38.7

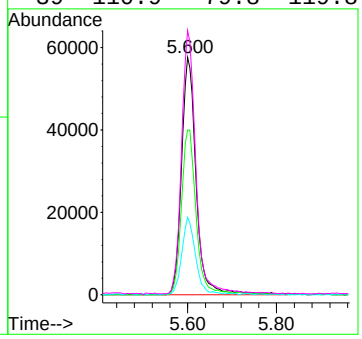


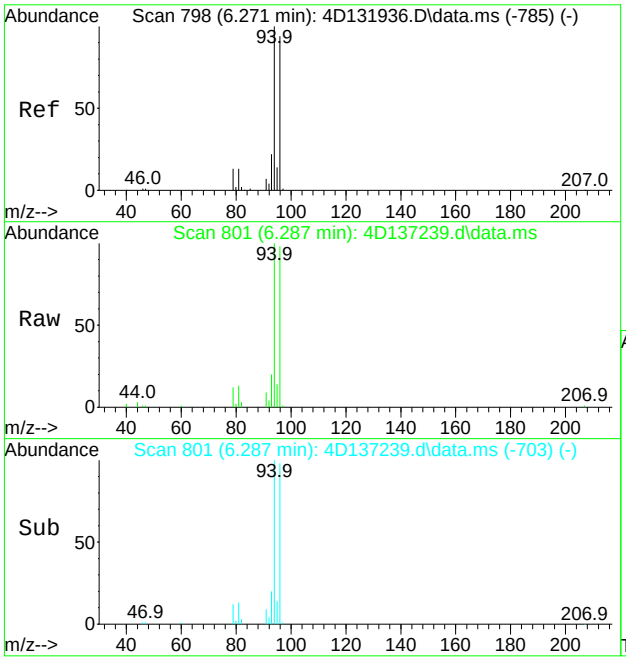


#10
1,3-butadiene
Concen: 22.1452 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 54 Resp: 132709

Ion	Ratio	Lower	Upper
54	100		
53	69.4	41.0	101.0
51	32.6	0.0	59.6
39	110.9	79.8	119.8

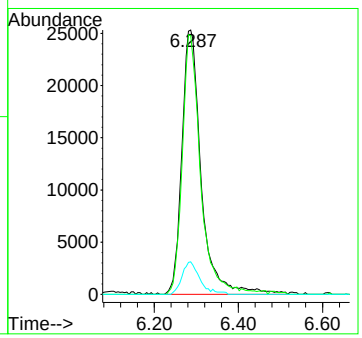


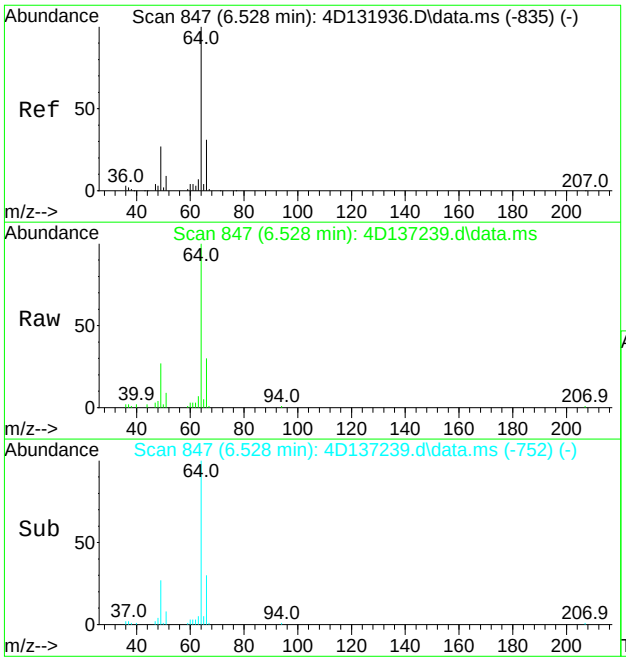


#11
bromomethane
Concen: 20.0543 ug/L
RT: 6.287 min Scan# 801
Delta R.T. 0.016 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 94 Resp: 81213

Ion	Ratio	Lower	Upper
94	100		
96	97.8	63.6	123.6
79	12.3	0.0	43.4

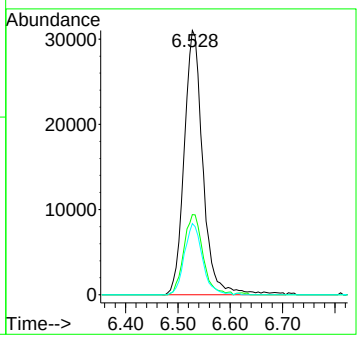


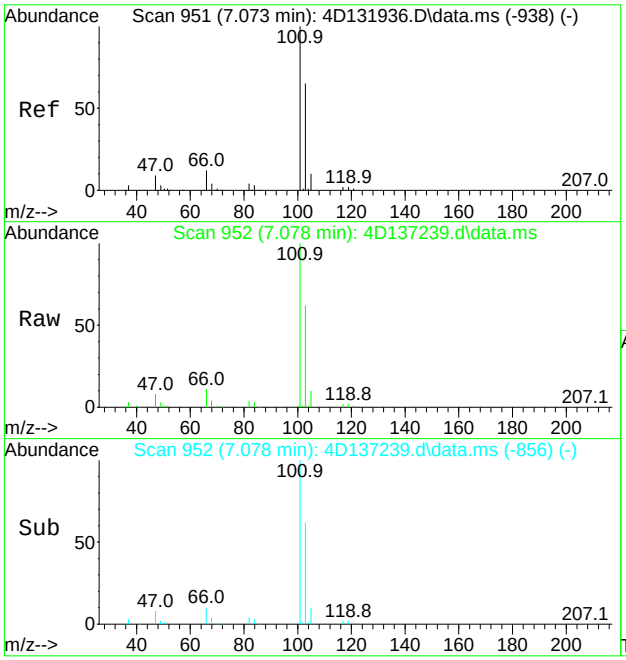


#12
chloroethane
Concen: 17.7745 ug/L
RT: 6.528 min Scan# 847
Delta R.T. -0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 64 Resp: 77221

Ion	Ratio	Lower	Upper
64	100		
66	30.3	1.2	61.2
49	26.9	0.0	57.3

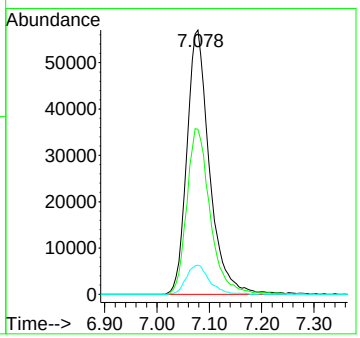


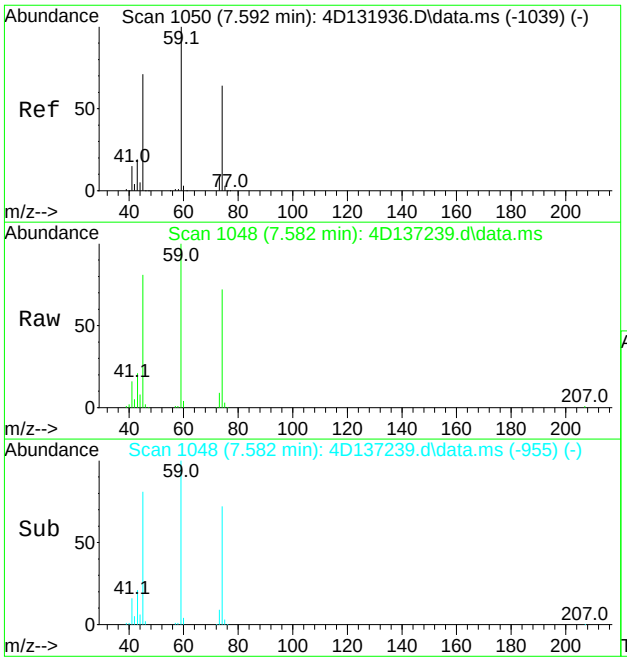


#13
trichlorofluoromethane
Concen: 19.1090 ug/L
RT: 7.078 min Scan# 952
Delta R.T. 0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:101 Resp: 171072

Ion	Ratio	Lower	Upper
101	100		
103	62.4	35.1	95.1
66	11.0	0.0	42.2

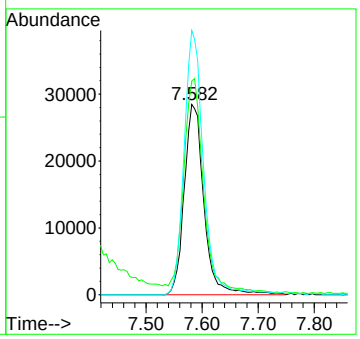


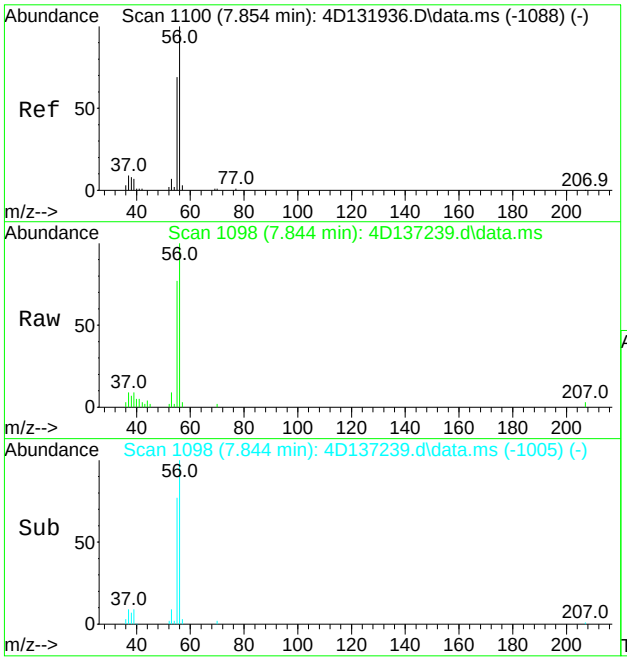


#14
ethyl ether
Concen: 22.5358 ug/L
RT: 7.582 min Scan# 1048
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 74 Resp: 69672

Ion	Ratio	Lower	Upper
74	100		
45	110.7	89.0	149.0
59	138.9	125.8	185.8

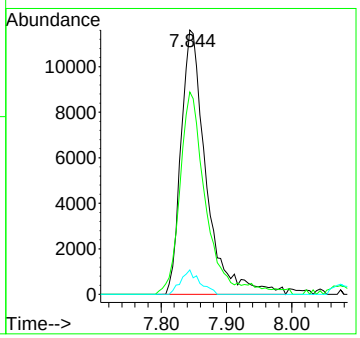


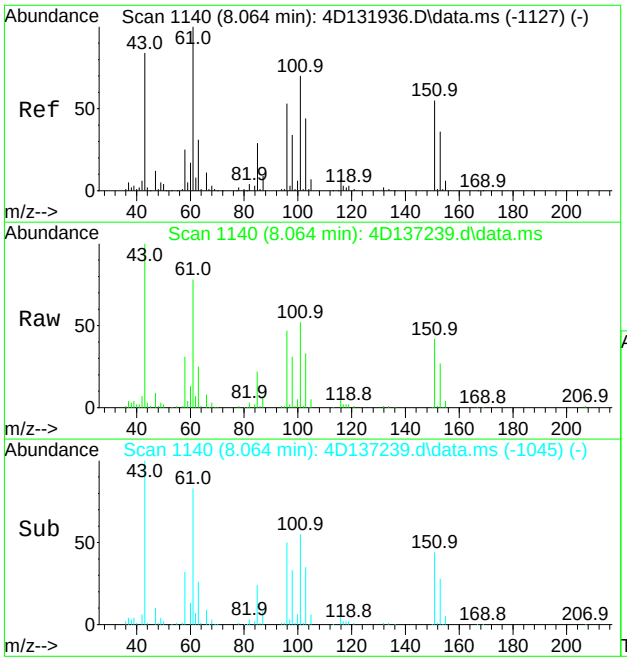


#15
acrolein
Concen: 16.8867 ug/L
RT: 7.844 min Scan# 1098
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 56 Resp: 30988

Ion	Ratio	Lower	Upper
56	100		
55	74.7	38.7	98.7
53	9.2	0.0	37.5

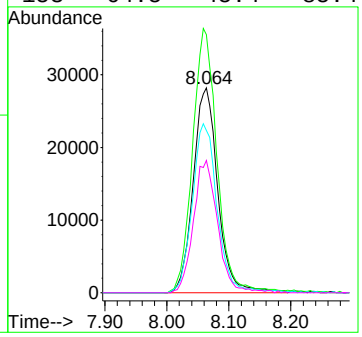


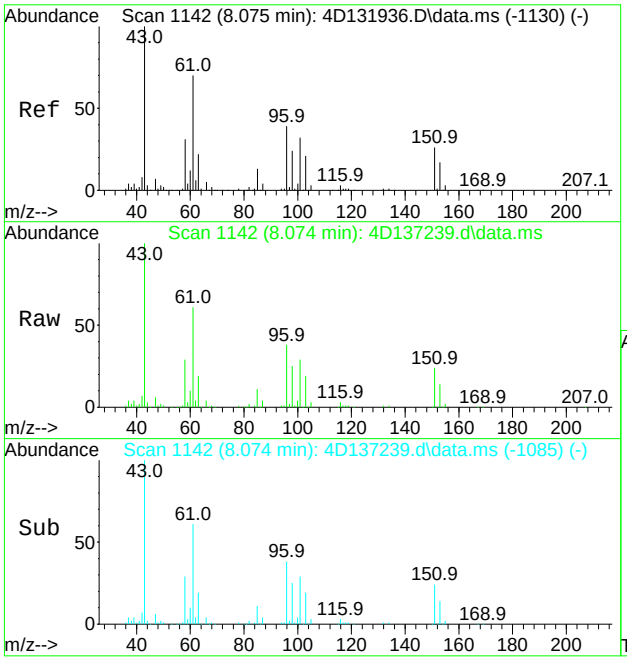


#16
freon 113
Concen: 19.3752 ug/L
RT: 8.064 min Scan# 1140
Delta R.T. -0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:151 Resp: 78072

Ion	Ratio	Lower	Upper
151	100		
101	125.9	107.6	147.6
103	79.2	61.2	101.2
153	64.5	45.4	85.4

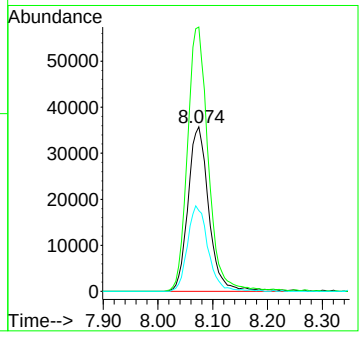


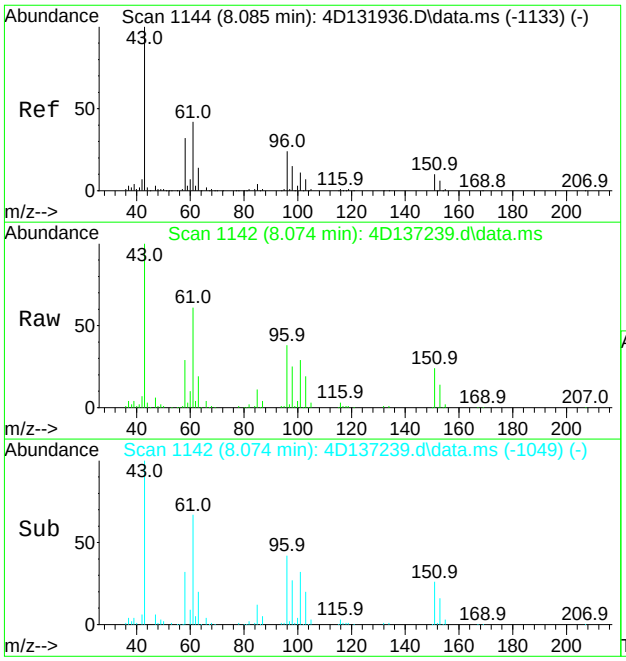


#17
1,1-dichloroethene
Concen: 20.6437 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.001 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 96 Resp: 94738

Ion	Ratio	Lower	Upper
96	100		
61	160.6	149.0	209.0
63	49.1	26.1	86.1

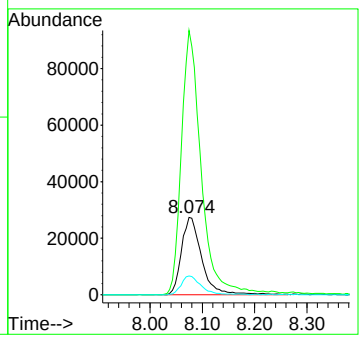


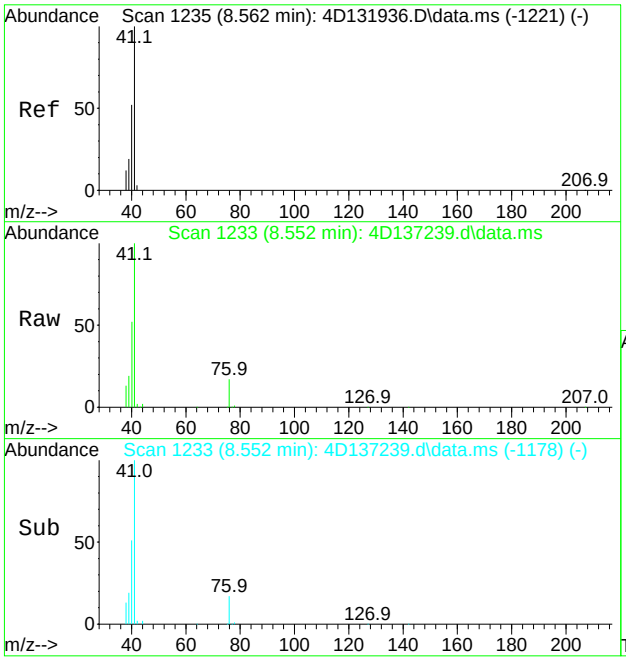


#18
acetone
Concen: 54.6628 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 58 Resp: 74229

Ion	Ratio	Lower	Upper
58	100		
43	340.3	285.1	345.1
42	24.3	0.0	53.5

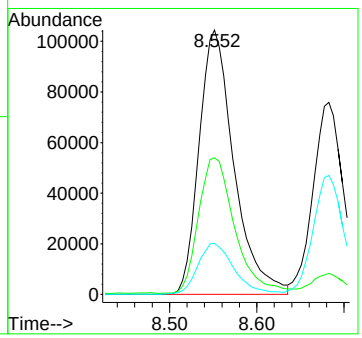


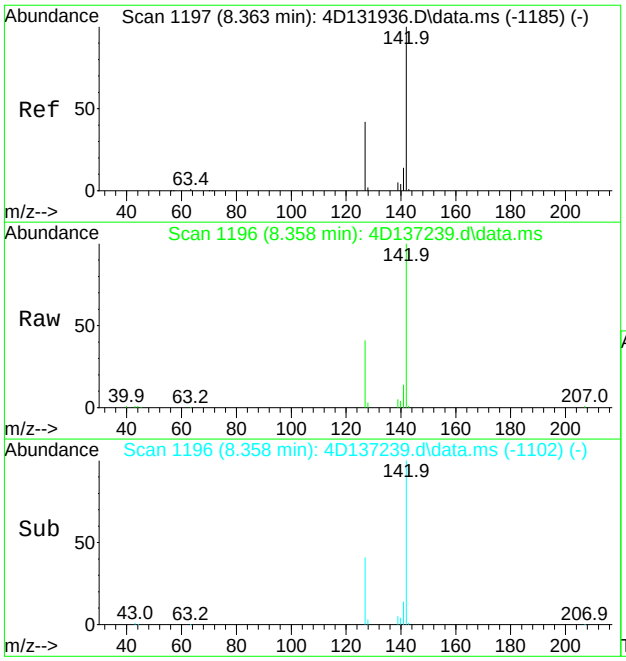


#19
acetonitrile
Concen: 216.1762 ug/L
RT: 8.552 min Scan# 1233
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 41 Resp: 291098

Ion	Ratio	Lower	Upper
41	100		
40	51.3	22.4	82.4
39	19.1	0.0	49.2

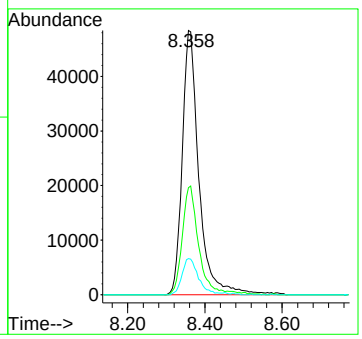


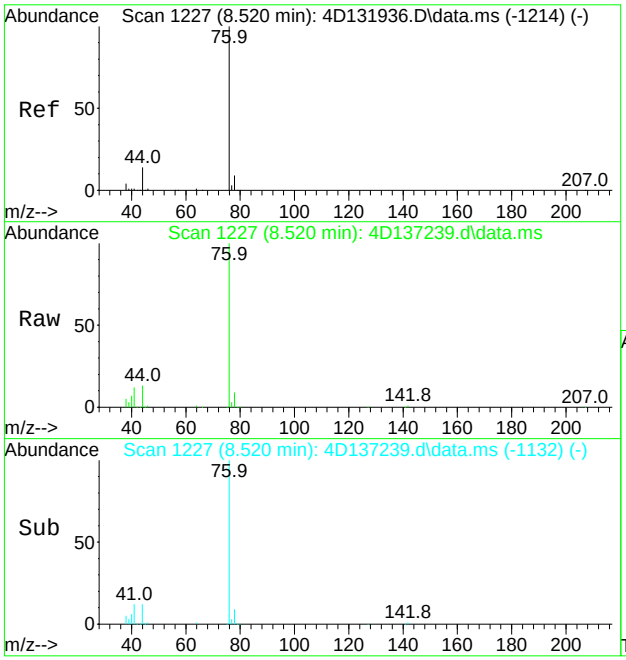


#20
iodomethane
Concen: 22.0209 ug/L
RT: 8.358 min Scan# 1196
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:142 Resp: 145400

Ion	Ratio	Lower	Upper
142	100		
127	40.5	11.7	71.7
141	13.7	0.0	44.4

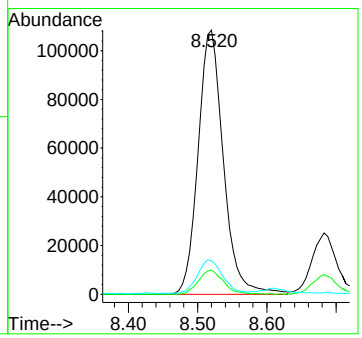


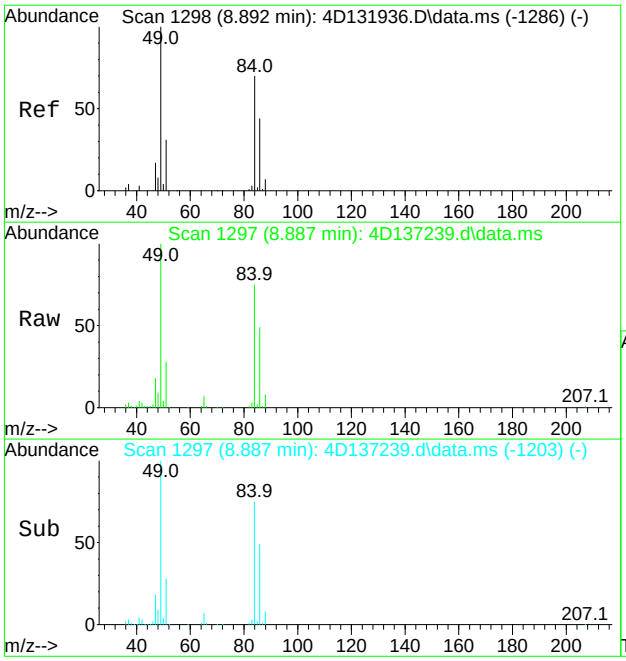


#21
carbon disulfide
Concen: 19.2631 ug/L
RT: 8.520 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 76 Resp: 274753

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	39.2
44	12.3	0.0	44.4

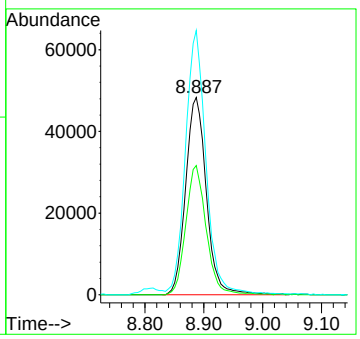


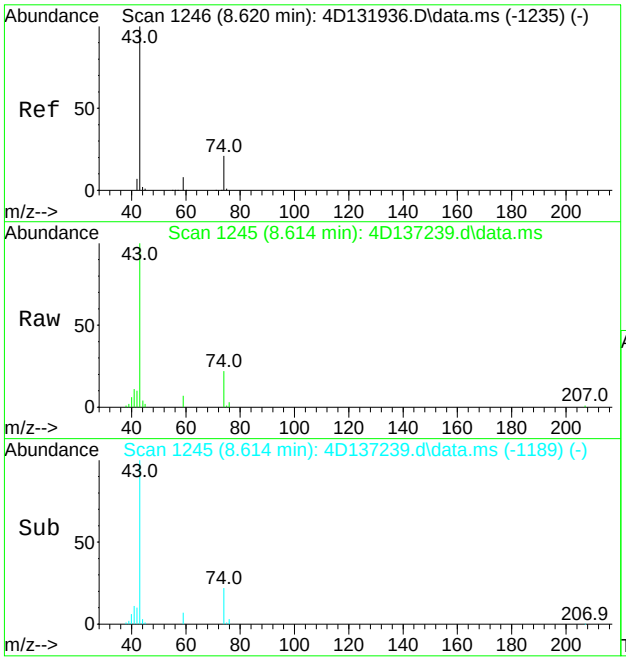


#22
methylene chloride
Concen: 19.5210 ug/L
RT: 8.887 min Scan# 1297
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 84 Resp: 118963

Ion	Ratio	Lower	Upper
84	100		
86	65.5	33.7	93.7
49	133.3	114.9	174.9

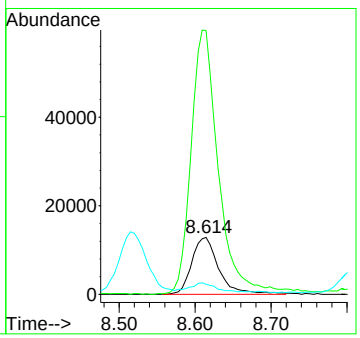


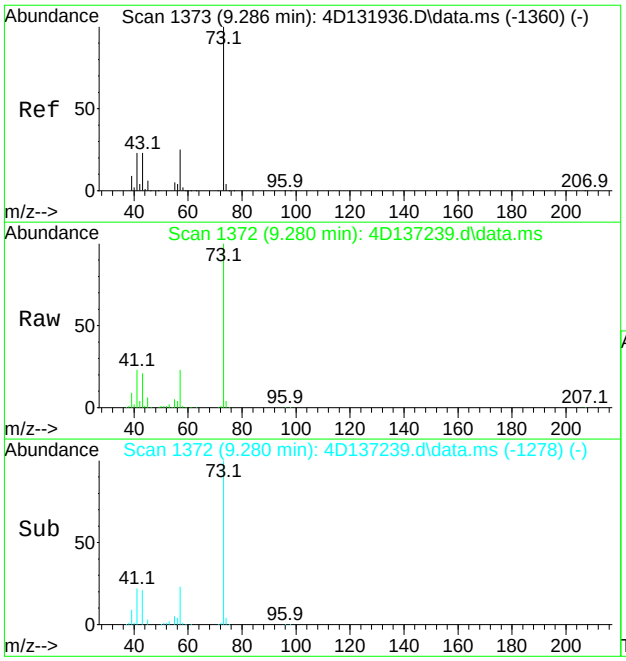


#23
methyl acetate
Concen: 22.3938 ug/L
RT: 8.614 min Scan# 1245
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 74 Resp: 31938

Ion	Ratio	Lower	Upper
74	100		
43	460.7	453.1	513.1
44	14.5	0.0	45.1

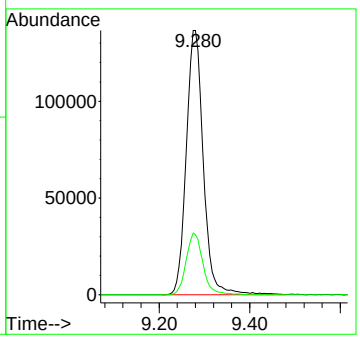


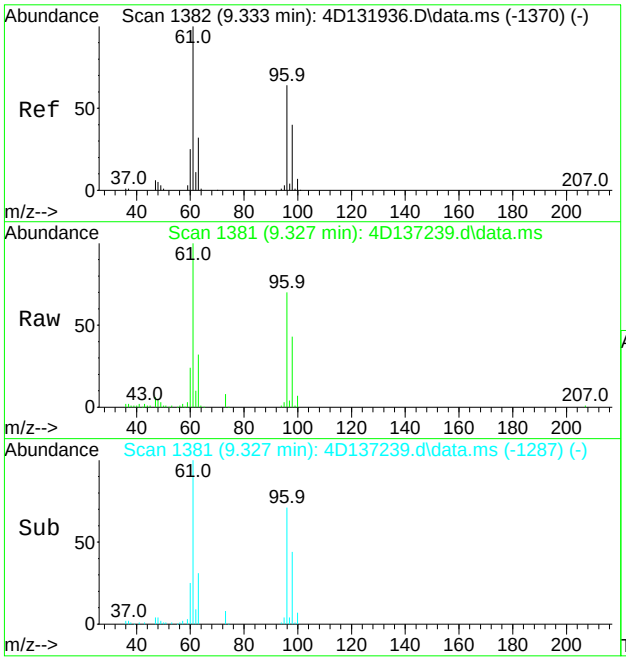


#24
methyl tert butyl ether
Concen: 20.8977 ug/L
RT: 9.280 min Scan# 1372
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 73 Resp: 357103

Ion	Ratio	Lower	Upper
73	100		
57	22.7	0.0	224.6

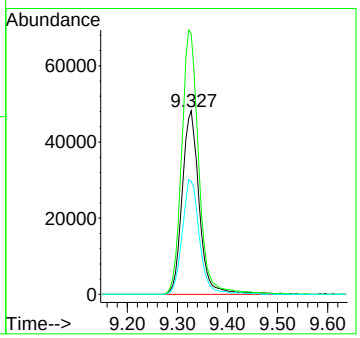


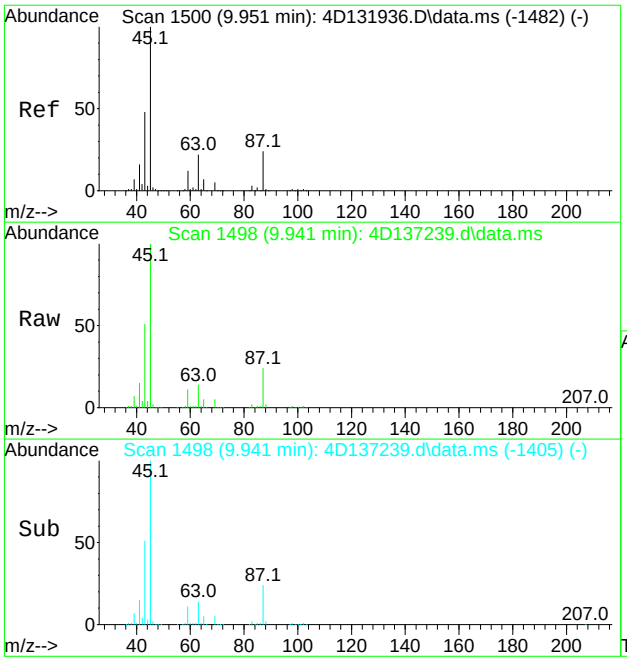


#25
trans-1,2-dichloroethene
Concen: 22.0926 ug/L
RT: 9.327 min Scan# 1381
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 96 Resp: 114331

Ion	Ratio	Lower	Upper
96	100		
61	141.9	126.5	186.5
98	61.5	33.3	93.3

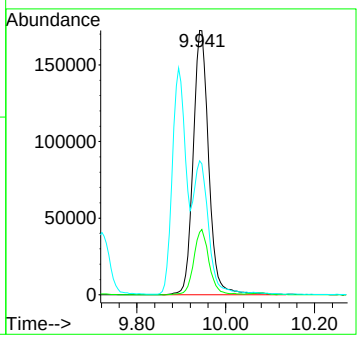


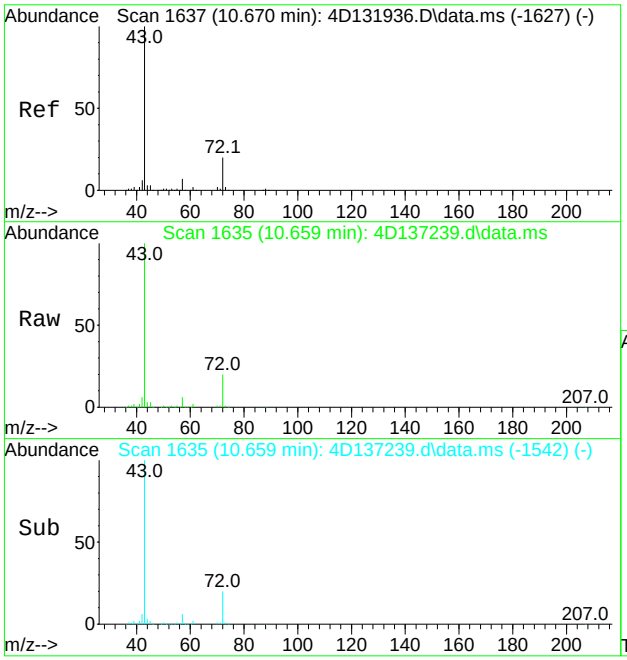


#26
di-isopropyl ether
Concen: 20.6035 ug/L
RT: 9.941 min Scan# 1498
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 45 Resp: 419382

Ion	Ratio	Lower	Upper
45	100		
87	23.7	0.0	54.4
43	50.5	18.8	78.8

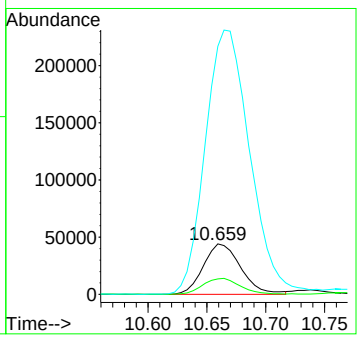


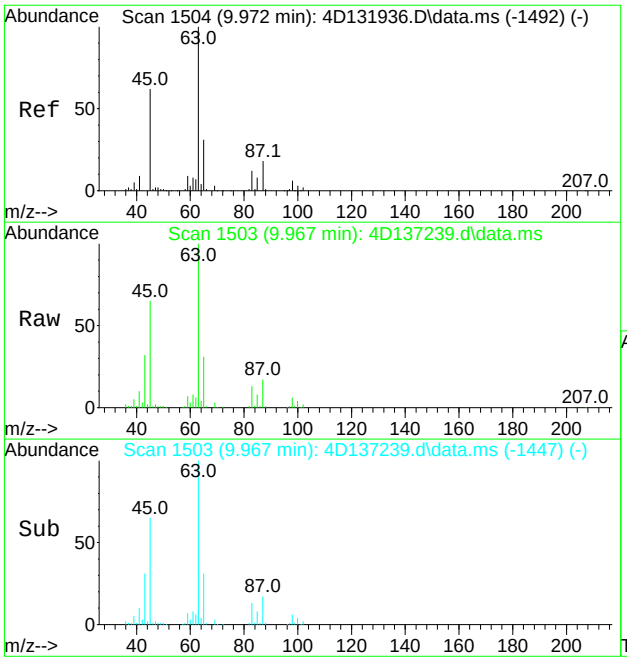


#27
2-butanone
Concen: 79.5192 ug/L
RT: 10.659 min Scan# 1635
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 72 Resp: 98189

Ion	Ratio	Lower	Upper
72	100		
57	30.8	3.7	63.7
43	491.4	475.8	535.8

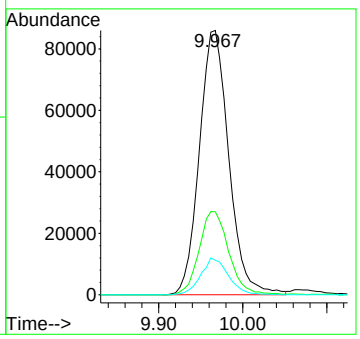


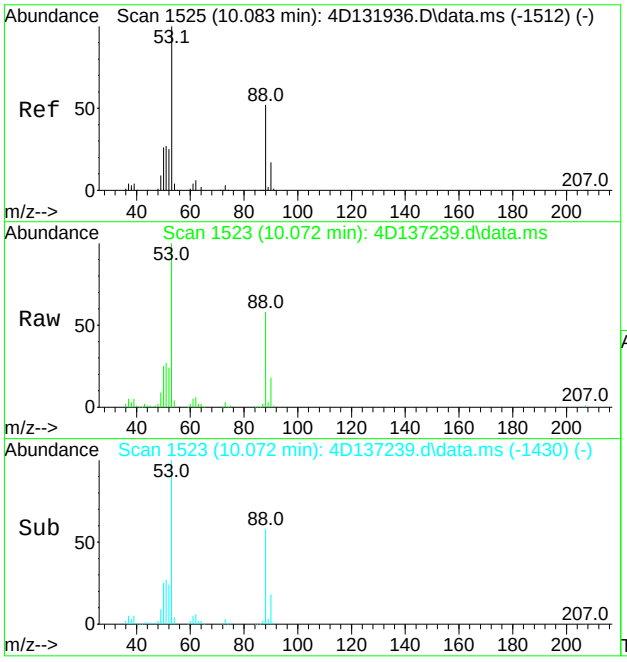


#28
1,1-dichloroethane
Concen: 20.0007 ug/L
RT: 9.967 min Scan# 1503
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 63 Resp: 209311

Ion	Ratio	Lower	Upper
63	100		
65	31.4	0.9	60.9
83	13.0	0.0	42.3

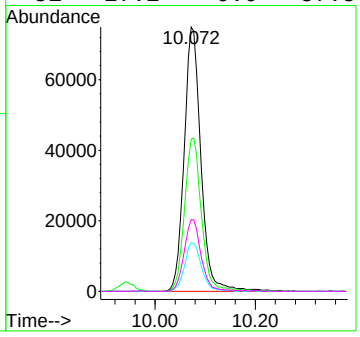


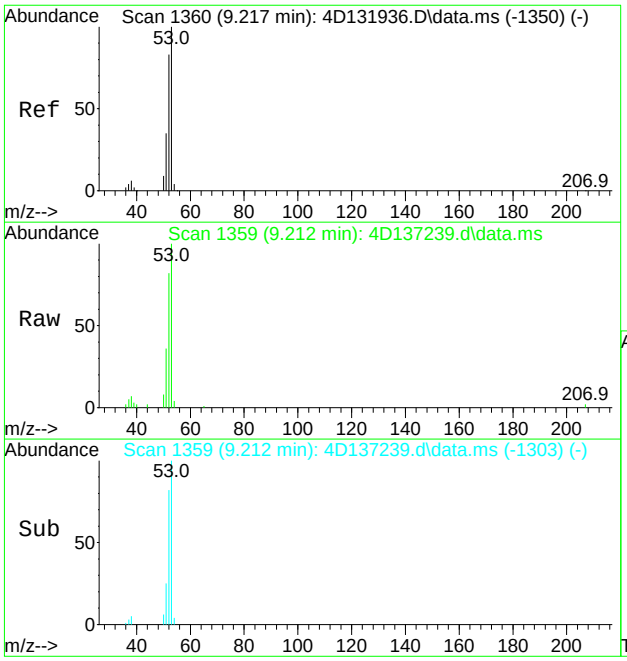


#29
chloroprene
Concen: 18.3728 ug/L
RT: 10.072 min Scan# 1523
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 53 Resp: 174236

Ion	Ratio	Lower	Upper
53	100		
88	57.6	21.8	81.8
90	18.4	0.0	47.2
51	27.2	0.0	57.5

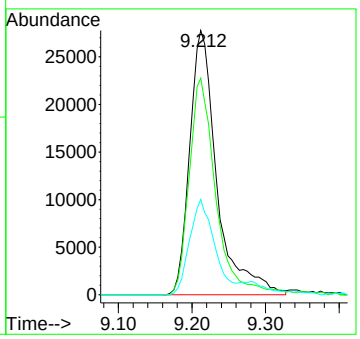


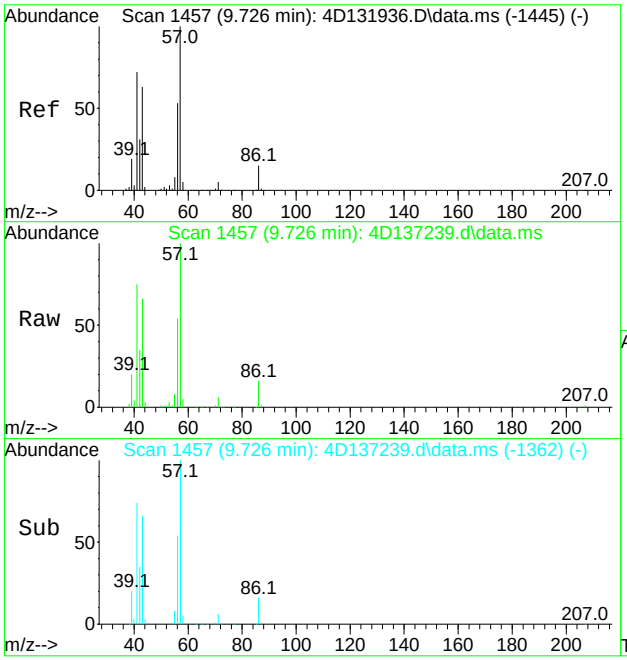


#30
acrylonitrile
Concen: 20.0979 ug/L
RT: 9.212 min Scan# 1359
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 53 Resp: 71398

Ion	Ratio	Lower	Upper
53	100		
52	81.9	53.4	113.4
51	36.0	5.0	65.0

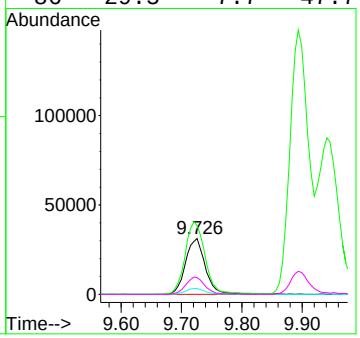


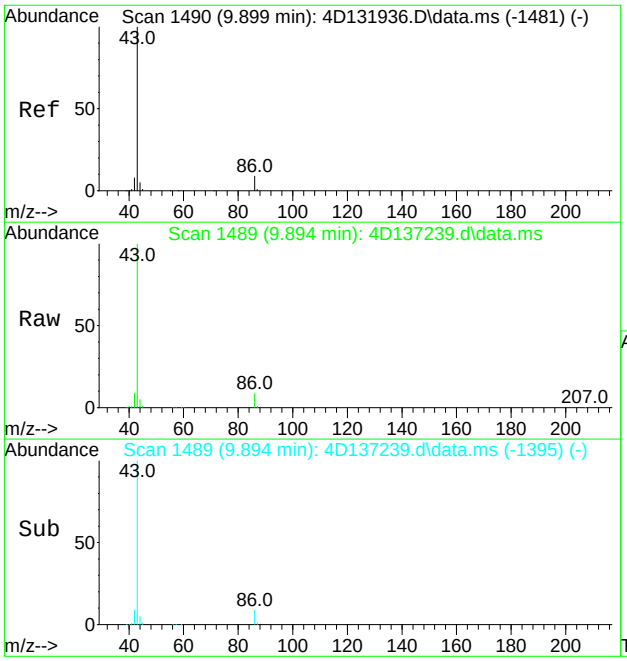


#31
hexane
Concen: 14.7160 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. -0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 56 Resp: 71717

Ion	Ratio	Lower	Upper
56	100		
43	122.6	98.5	138.5
71	10.6	0.0	30.3
86	29.5	7.7	47.7

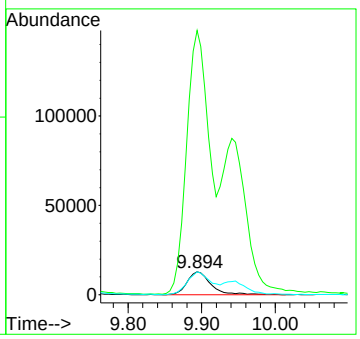


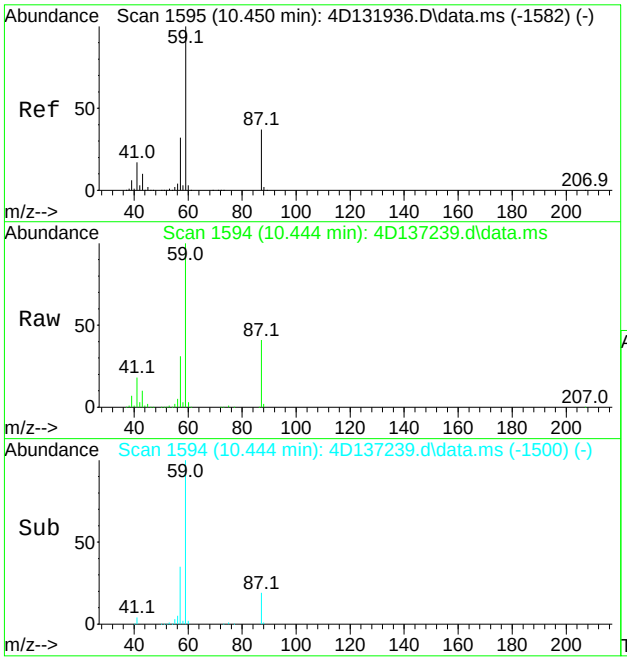


#32
vinyl acetate
Concen: 24.6202 ug/L
RT: 9.894 min Scan# 1489
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 86 Resp: 29305

Ion	Ratio	Lower	Upper
86	100		
43	1138.3	1142.7	1202.7#
42	99.2	69.4	129.4

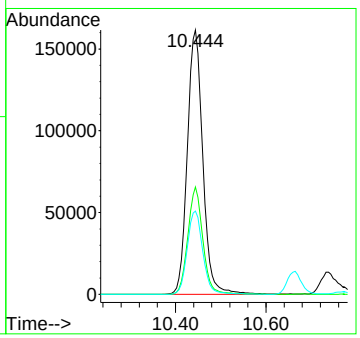


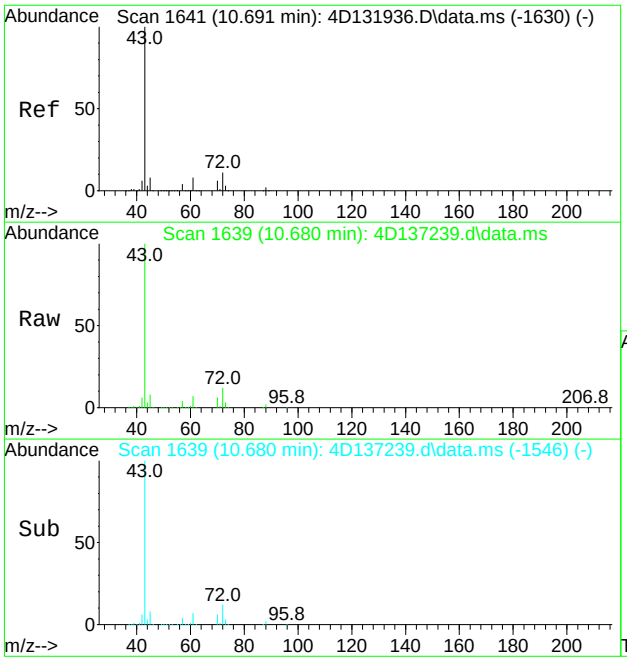


#33
ethyl tert-butyl ether
Concen: 18.9682 ug/L
RT: 10.444 min Scan# 1594
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 59 Resp: 384334

Ion	Ratio	Lower	Upper
59	100		
87	40.6	6.6	66.6
57	31.5	2.2	62.2

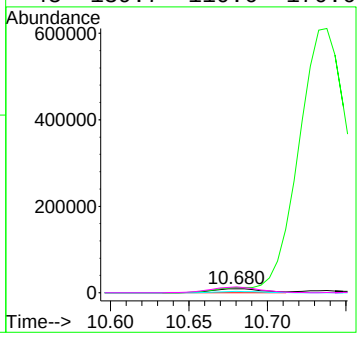


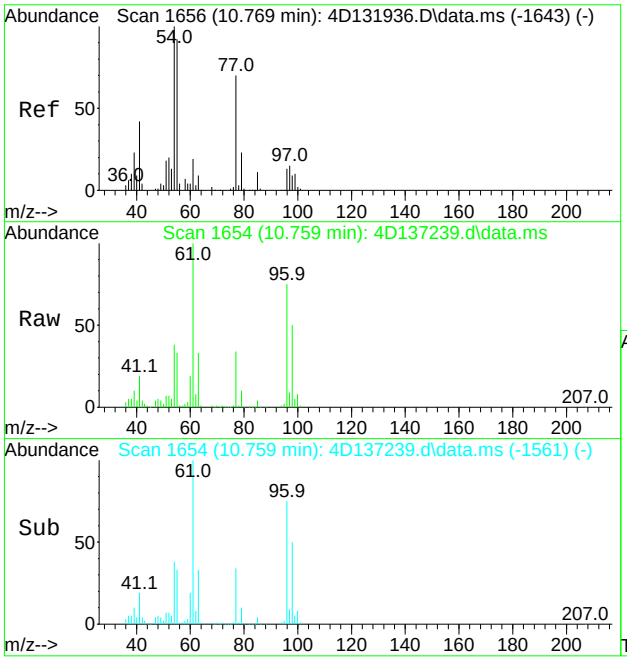


#34
ethyl acetate
Concen: 17.6251 ug/L
RT: 10.680 min Scan# 1639
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 70 Resp: 20697

Ion	Ratio	Lower	Upper
70	100		
61	131.7	108.4	168.4
88	32.2	5.9	65.9
45	139.7	110.6	170.6

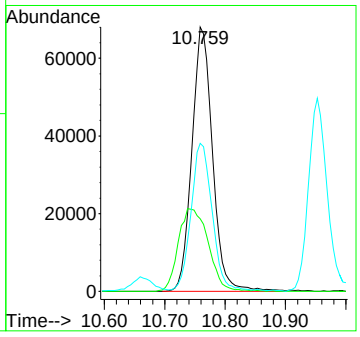


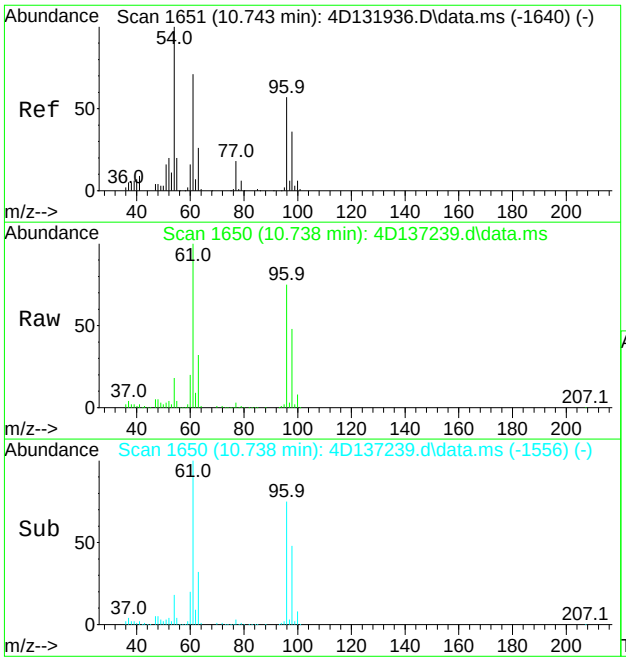


#35
2,2-dichloropropane
Concen: 19.7216 ug/L
RT: 10.759 min Scan# 1654
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 77 Resp: 161729

Ion	Ratio	Lower	Upper
77	100		
97	27.4	0.0	51.9
41	55.9	29.6	89.6

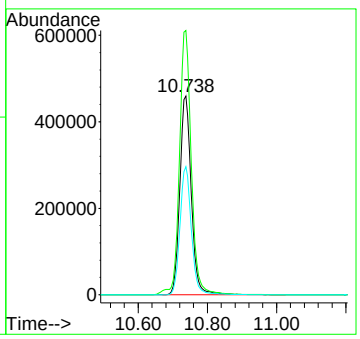


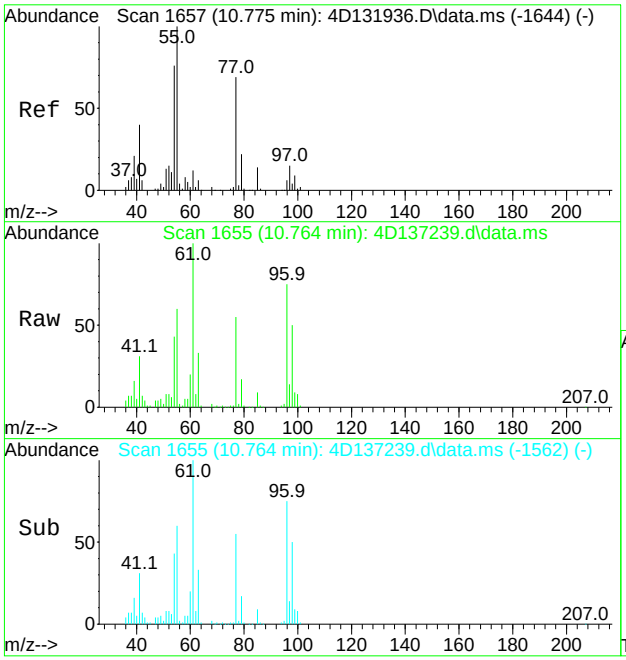


#36
cis-1,2-dichloroethene
Concen: 176.2348 ug/L
RT: 10.738 min Scan# 1650
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 96 Resp: 1064040

Ion	Ratio	Lower	Upper
96	100		
61	133.1	119.6	179.6
98	64.4	34.3	94.3

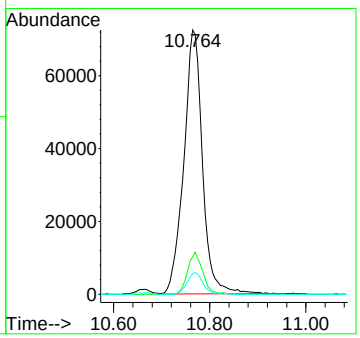


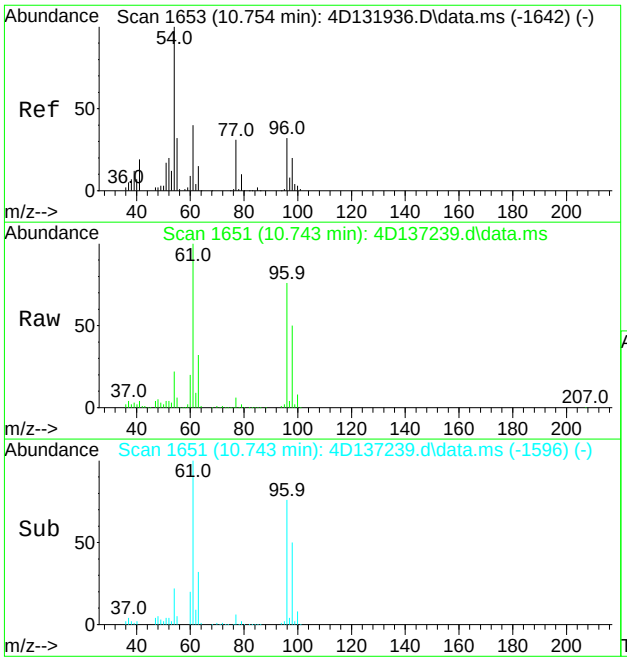


#37
methyl acrylate
Concen: 18.0919 ug/L
RT: 10.764 min Scan# 1655
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 55 Resp: 195569

Ion	Ratio	Lower	Upper
55	100		
85	14.3	0.0	43.7
58	7.8	0.0	38.0

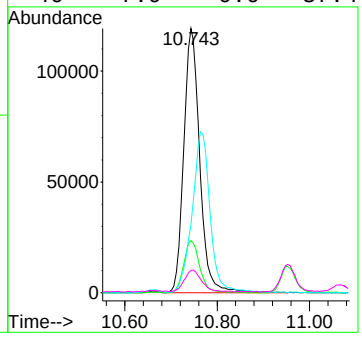


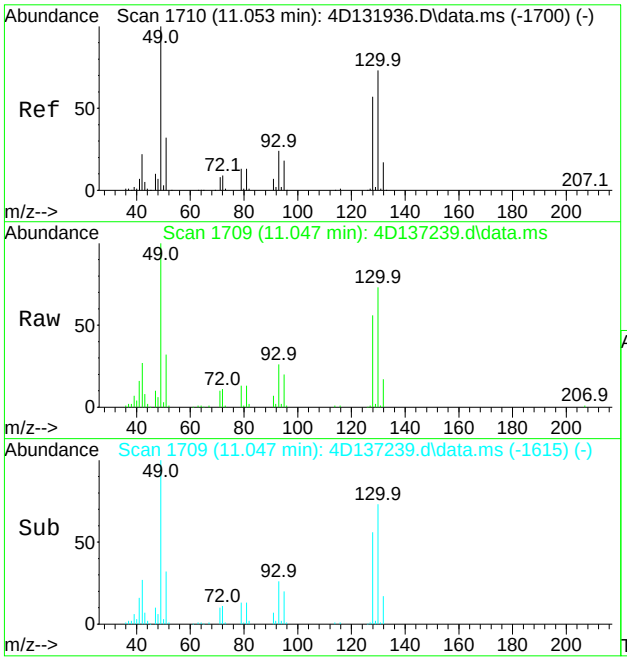


#38
propionitrile
Concen: 181.9410 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 54 Resp: 286997

Ion	Ratio	Lower	Upper
54	100		
52	19.8	0.0	49.8
55	25.8	2.6	62.6
40	7.9	0.0	37.4

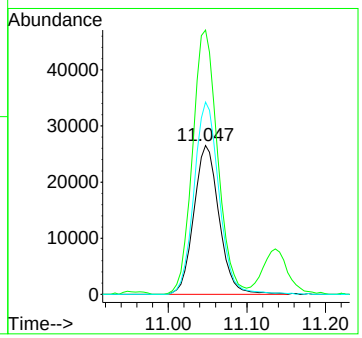


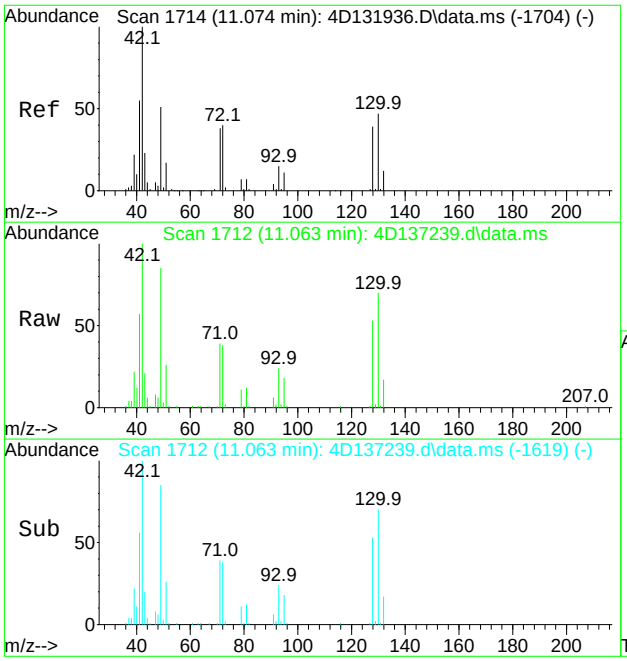


#39
bromochloromethane
Concen: 19.6974 ug/L
RT: 11.047 min Scan# 1709
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:128 Resp: 59445

Ion	Ratio	Lower	Upper
128	100		
49	177.6	145.9	205.9
130	129.2	97.8	157.8

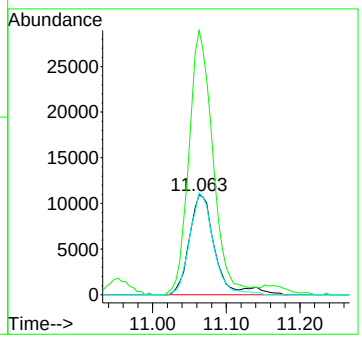


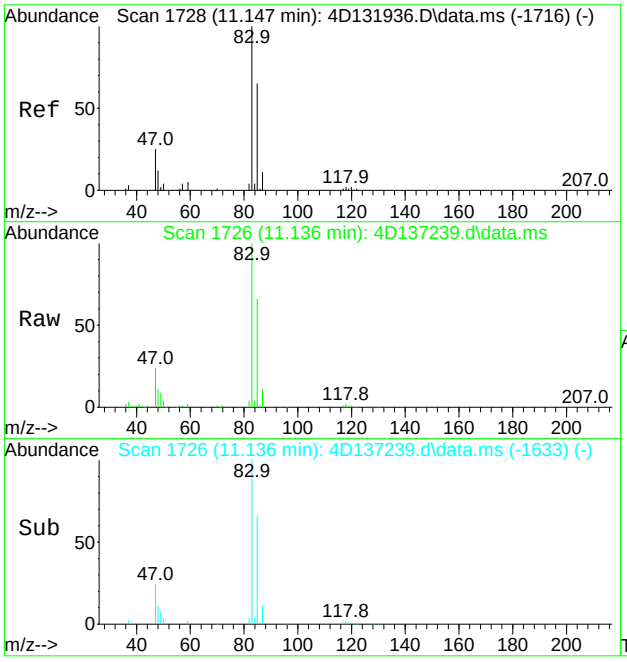


#40
tetrahydrofuran
Concen: 20.8573 ug/L
RT: 11.063 min Scan# 1712
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 72 Resp: 26617

Ion	Ratio	Lower	Upper
72	100		
42	263.9	219.9	279.9
71	101.7	66.1	126.1

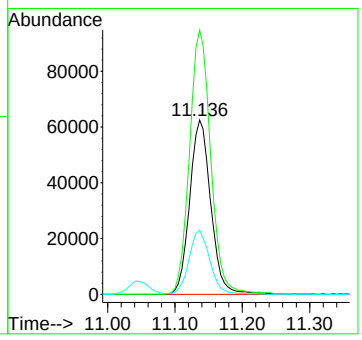


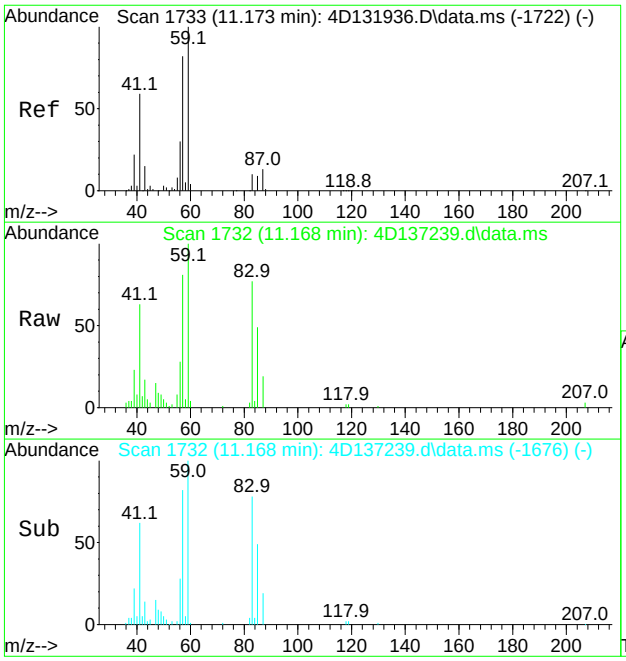


#41
chloroform
Concen: 22.2289 ug/L
RT: 11.136 min Scan# 1726
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 85 Resp: 136260

Ion	Ratio	Lower	Upper
85	100		
83	151.7	123.5	183.5
47	36.9	9.8	69.8

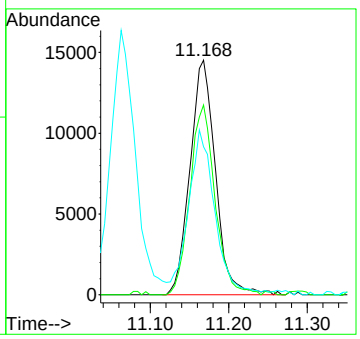


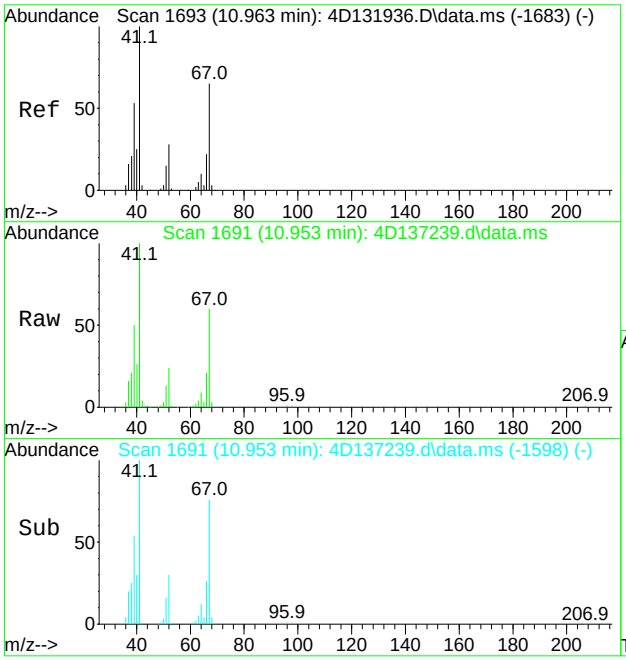


#42
t-butyl formate
Concen: 12.4165 ug/L
RT: 11.168 min Scan# 1732
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 59 Resp: 32792

Ion	Ratio	Lower	Upper
59	100		
57	80.9	51.8	111.8
41	61.3	32.4	92.4

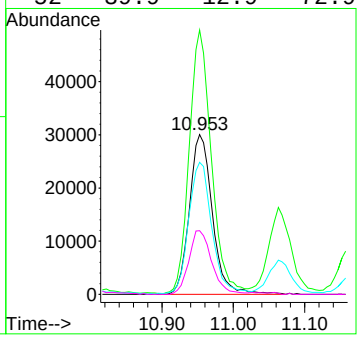


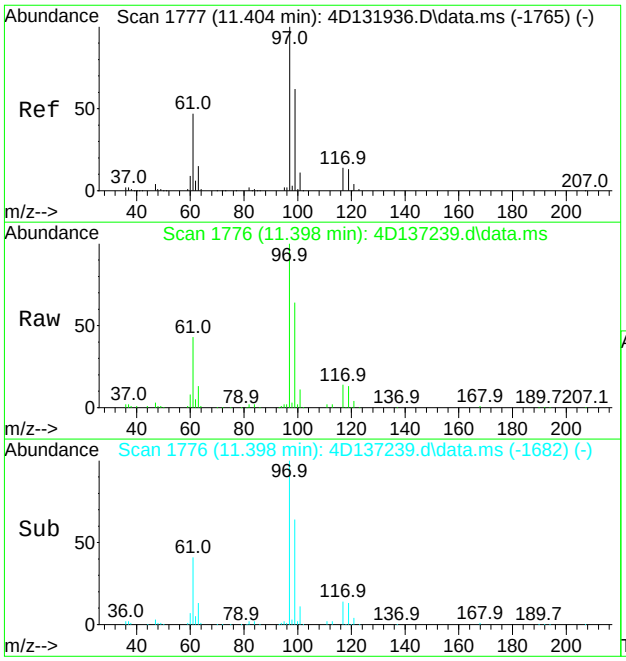


#44
methacrylonitrile
Concen: 19.7811 ug/L
RT: 10.953 min Scan# 1691
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 67 Resp: 67294

Ion	Ratio	Lower	Upper
67	100		
41	165.6	123.0	183.0
39	82.1	50.9	110.9
52	39.9	12.9	72.9

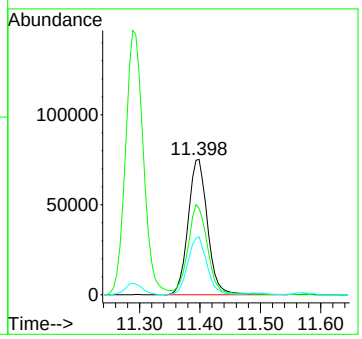


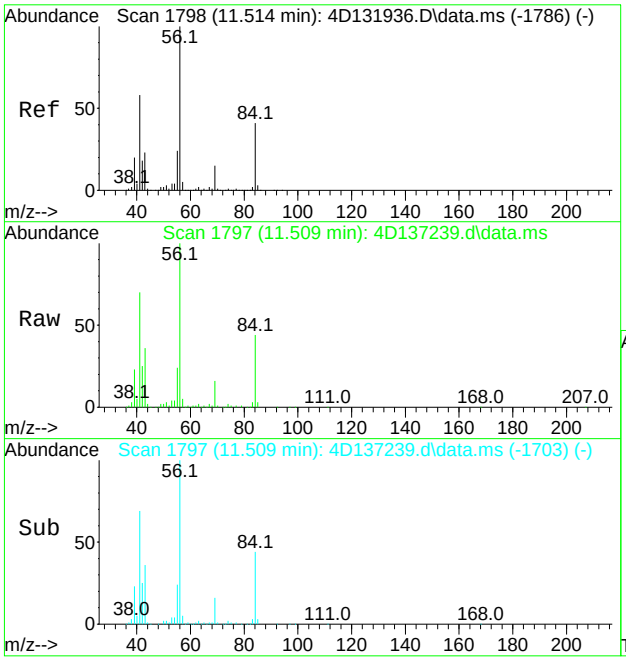


#45
1,1,1-trichloroethane
Concen: 20.2608 ug/L
RT: 11.398 min Scan# 1776
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 97 Resp: 168429

Ion	Ratio	Lower	Upper
97	100		
99	63.5	34.4	94.4
61	42.5	16.6	76.6

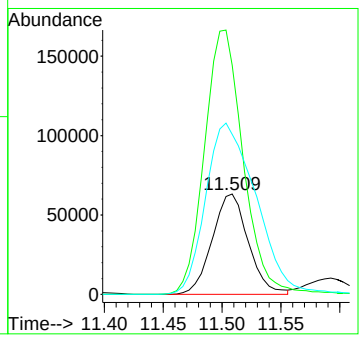


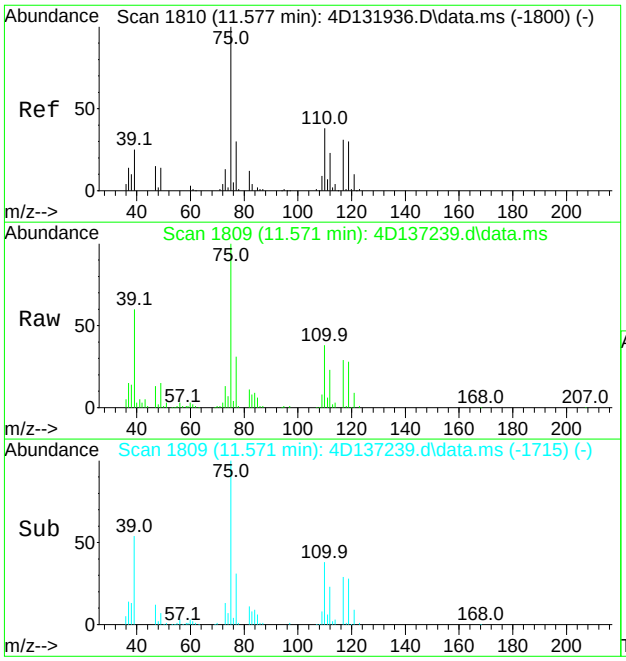


#46
cyclohexane
Concen: 18.0397 ug/L
RT: 11.509 min Scan# 1797
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 84 Resp: 135127

Ion	Ratio	Lower	Upper
84	100		
56	228.1	225.3	265.3
41	159.2	121.5	161.5

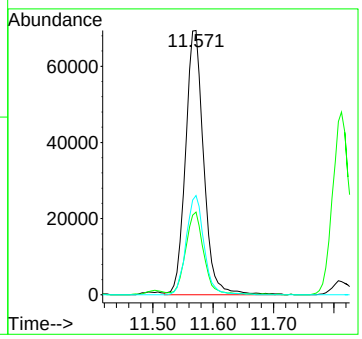


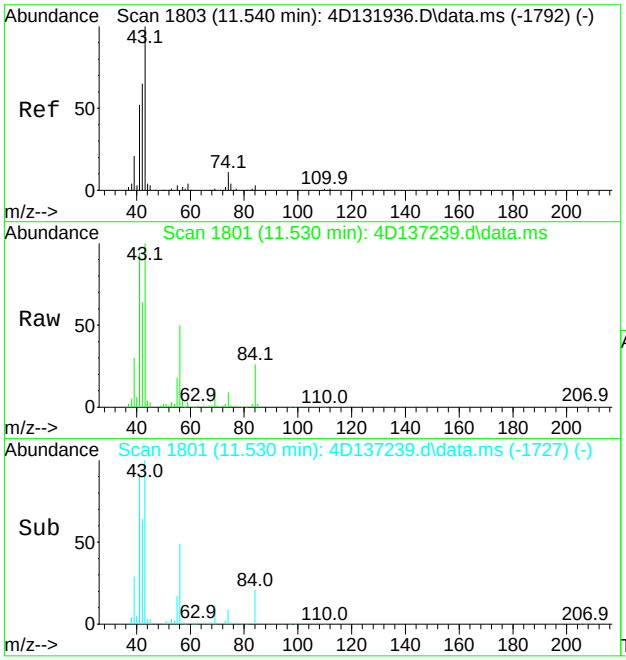


#47
1,1-dichloropropene
Concen: 20.8445 ug/L
RT: 11.571 min Scan# 1809
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 75 Resp: 145814

Ion	Ratio	Lower	Upper
75	100		
77	31.3	11.0	51.0
110	37.5	17.6	57.6

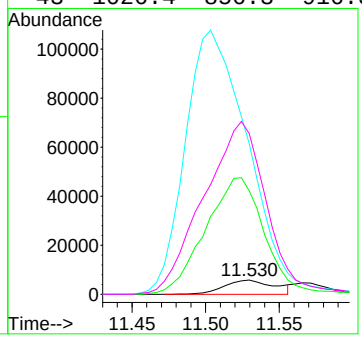


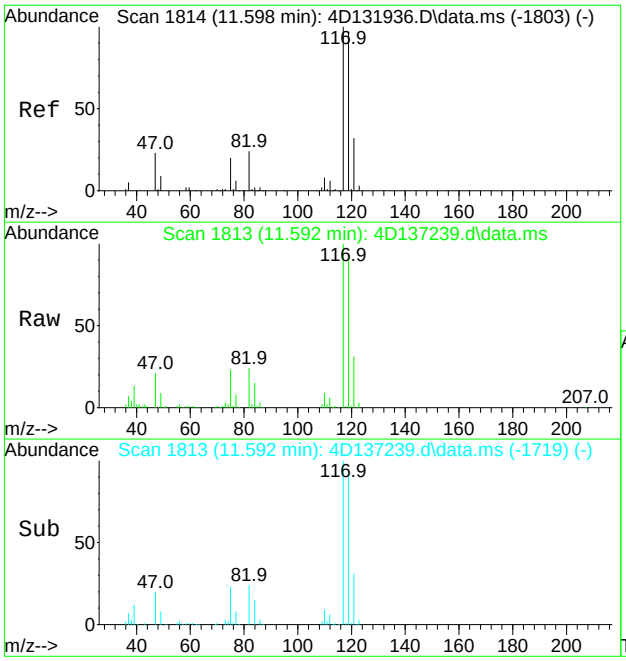


#48
isobutyl alcohol
Concen: 217.6029 ug/L
RT: 11.530 min Scan# 1801
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 74 Resp: 14023

Ion	Ratio	Lower	Upper
74	100		
42	689.6	546.1	606.1#
41	898.5	593.5	653.5#
43	1026.4	856.3	916.3#

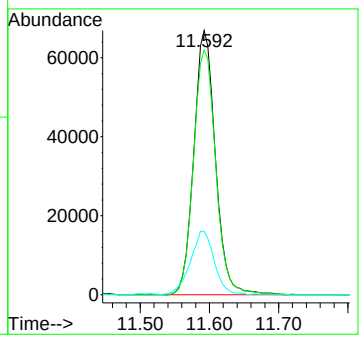


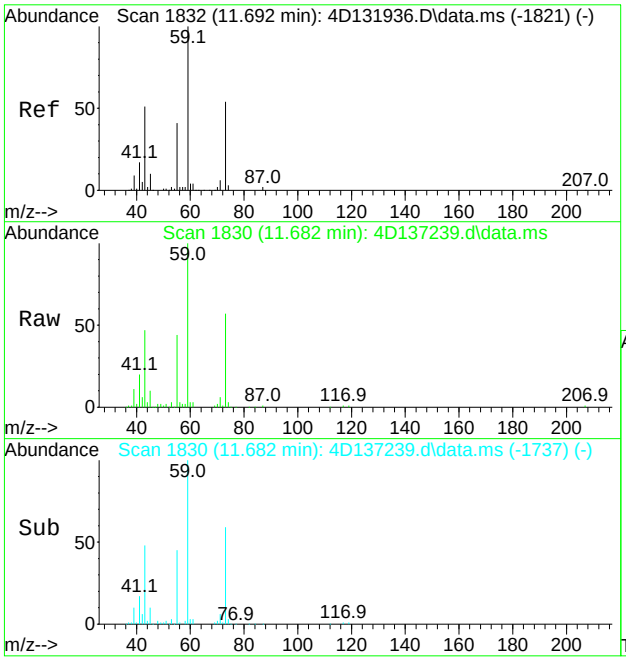


#49
carbon tetrachloride
Concen: 20.2278 ug/L
RT: 11.592 min Scan# 1813
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:117 Resp: 144775

Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.2	117.2
82	24.0	4.2	44.2

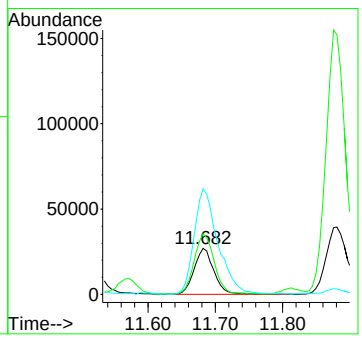


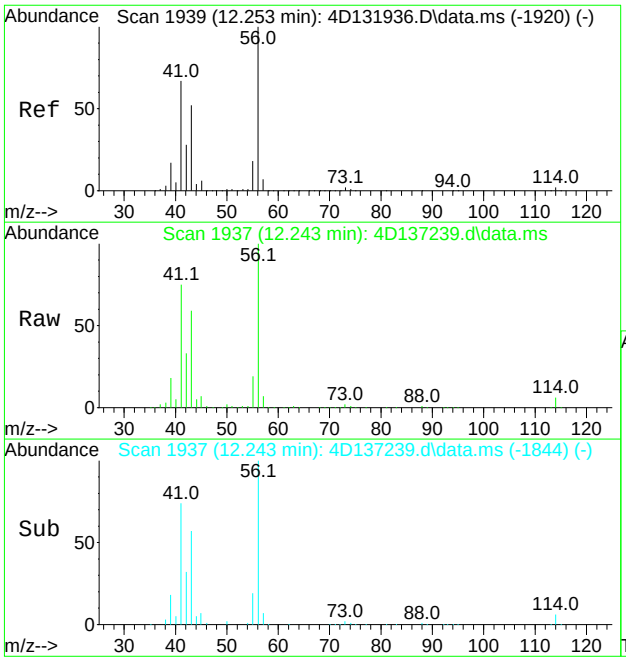


#50
tert amyl alcohol
Concen: 91.5498 ug/L
RT: 11.682 min Scan# 1830
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 55 Resp: 55399

Ion	Ratio	Lower	Upper
55	100		
73	130.2	100.3	160.3
59	228.0	213.3	273.3

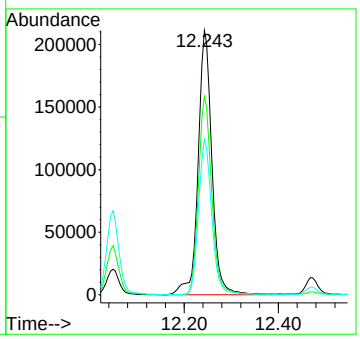


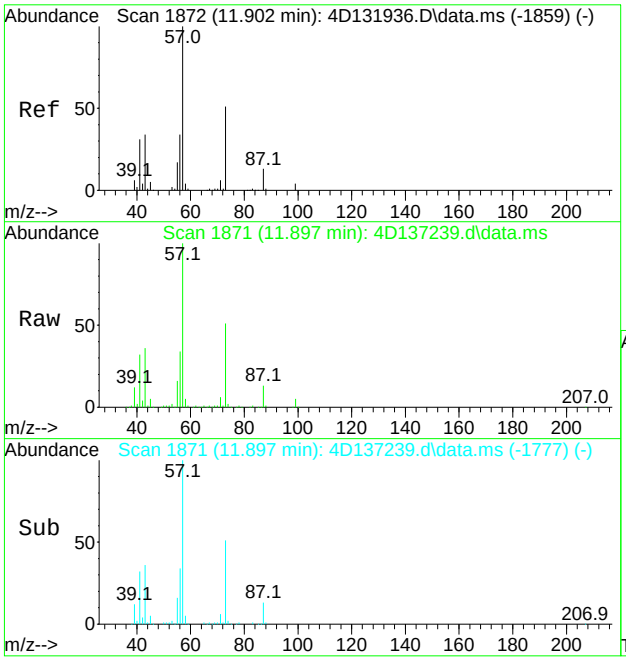


#53
n-butyl alcohol
Concen: 920.5668 ug/L
RT: 12.243 min Scan# 1937
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 56 Resp: 430922

Ion	Ratio	Lower	Upper
56	100		
41	74.8	36.6	96.6
43	58.7	22.4	82.4

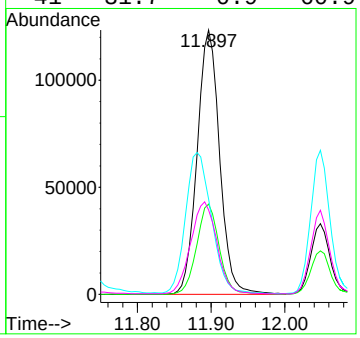


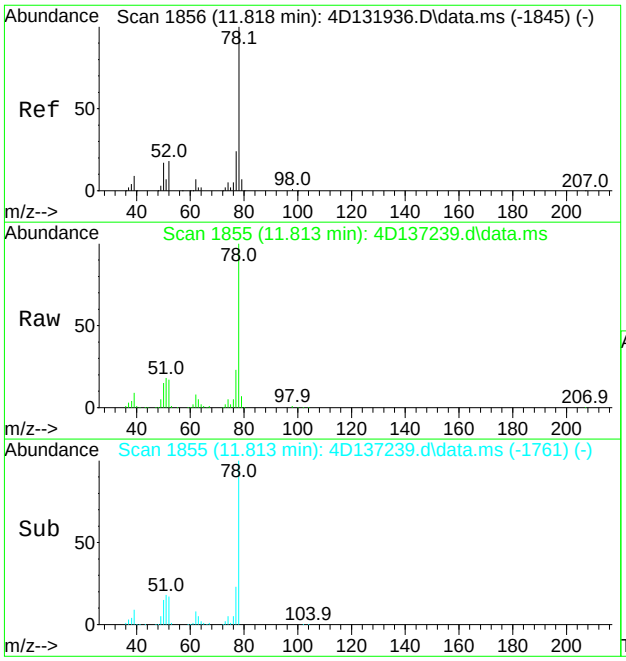


#54
2,2,4-trimethylpentane
Concen: 16.5659 ug/L
RT: 11.897 min Scan# 1871
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 57 Resp: 262491

Ion	Ratio	Lower	Upper
57	100		
56	34.1	3.6	63.6
43	35.7	4.6	64.6
41	31.7	0.9	60.9

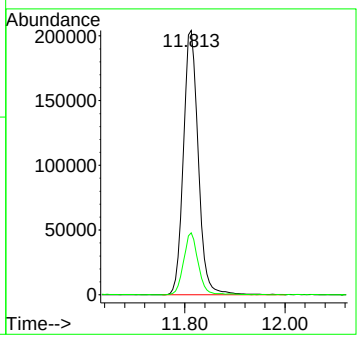


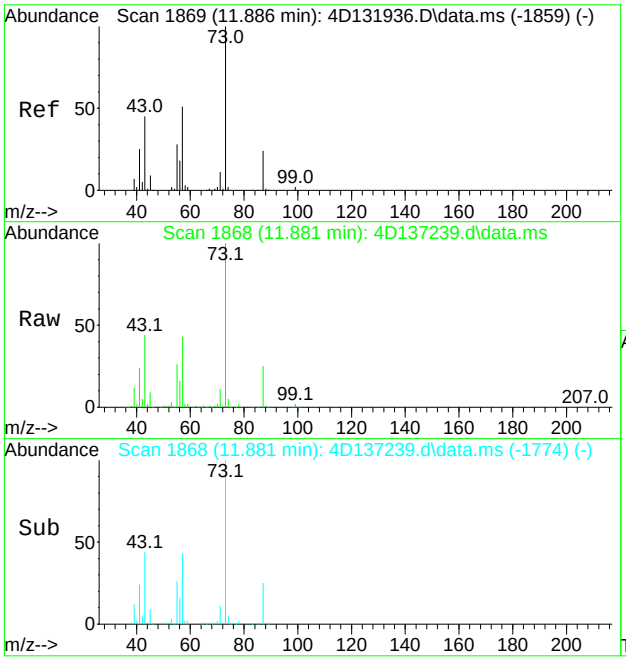


#55
benzene
Concen: 20.1926 ug/L
RT: 11.813 min Scan# 1855
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 78 Resp: 420115

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	53.7

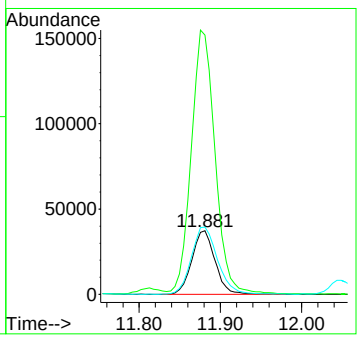


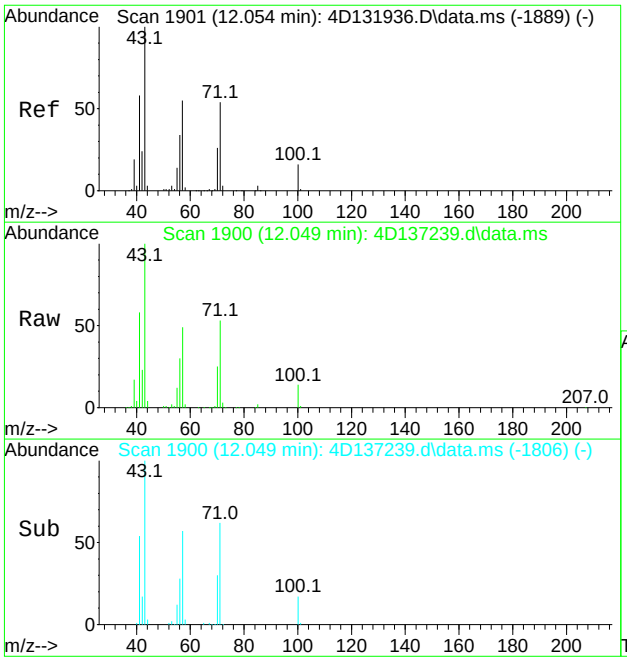


#56
tert-amyl methyl ether
Concen: 18.7104 ug/L
RT: 11.881 min Scan# 1868
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 87 Resp: 74313

Ion	Ratio	Lower	Upper
87	100		
73	406.4	382.6	442.6
55	105.3	85.4	145.4

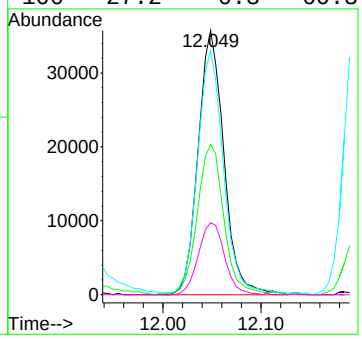


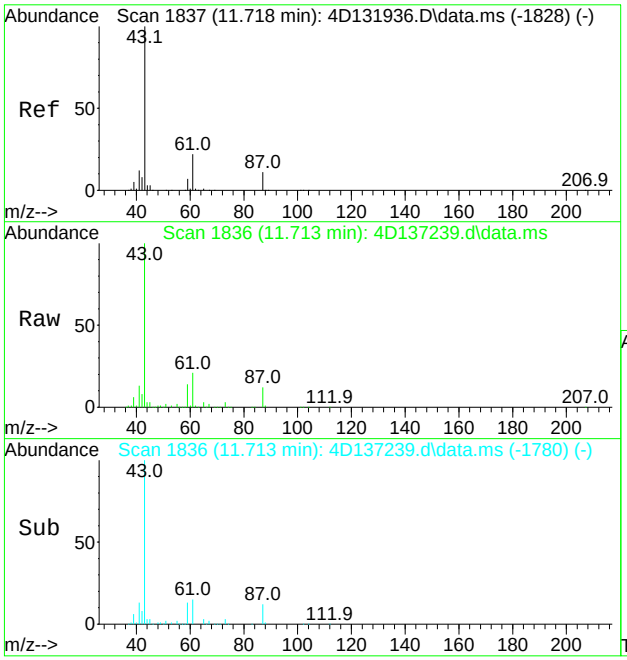


#57
heptane
Concen: 18.9710 ug/L
RT: 12.049 min Scan# 1900
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 71 Resp: 65465

Ion	Ratio	Lower	Upper
71	100		
56	56.8	33.0	93.0
57	91.6	72.2	132.2
100	27.2	0.3	60.3

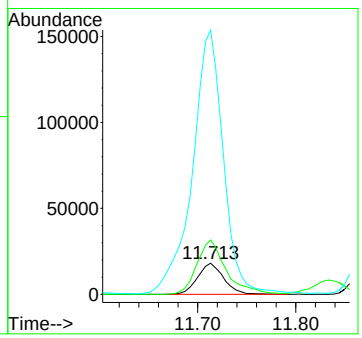


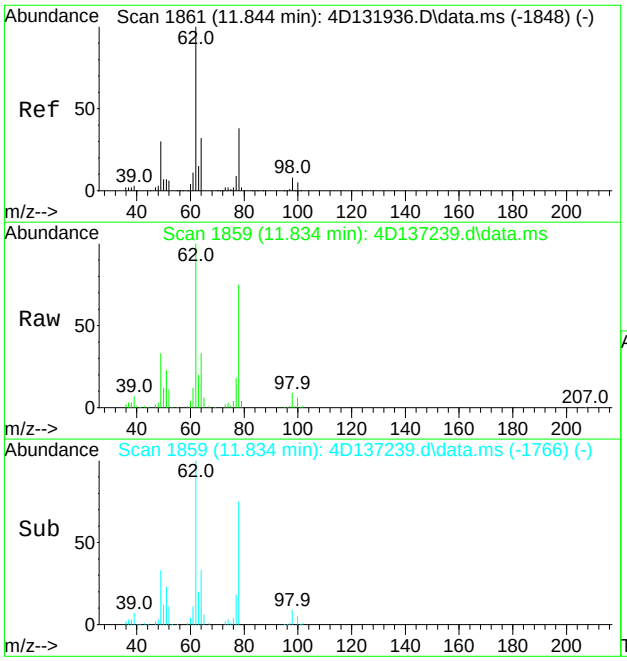


#58
isopropyl acetate
Concen: 21.3287 ug/L
RT: 11.713 min Scan# 1836
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 87 Resp: 33769

Ion	Ratio	Lower	Upper
87	100		
61	173.6	170.1	230.1
43	838.3	919.0	979.0#

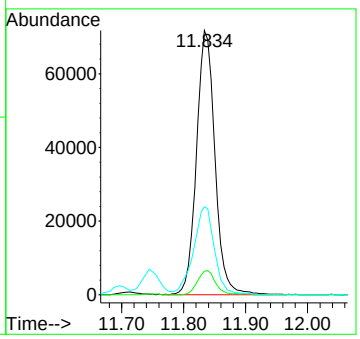


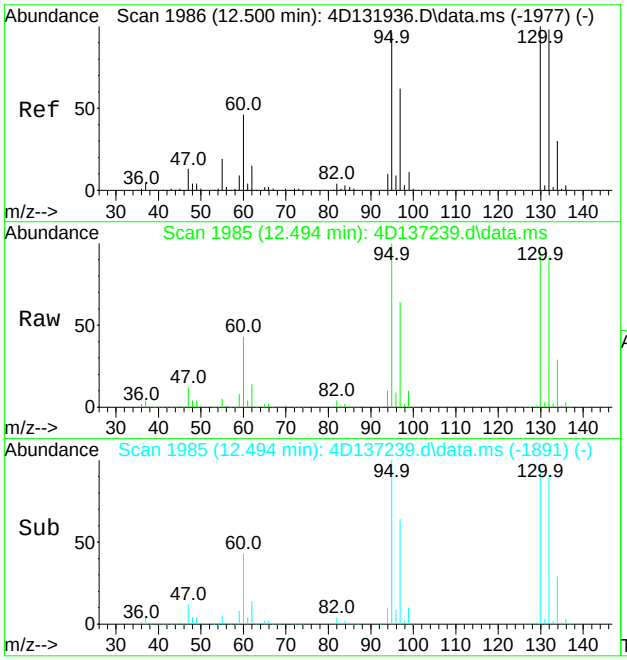


#59
1,2-dichloroethane
Concen: 17.2739 ug/L
RT: 11.834 min Scan# 1859
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 62 Resp: 149067

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	38.5
49	33.3	1.1	61.1

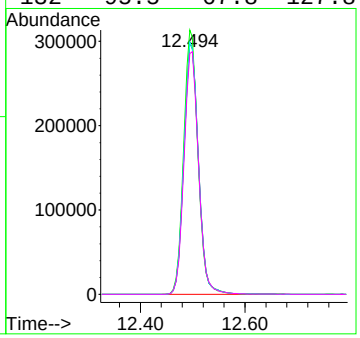


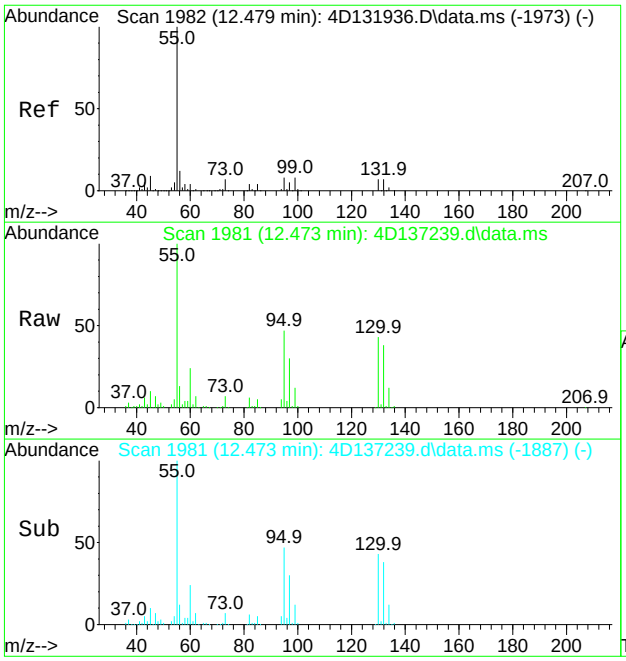


#60
trichloroethene
Concen: 100.4645 ug/L
RT: 12.494 min Scan# 1985
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:130 Resp: 578322

Ion	Ratio	Lower	Upper
130	100		
95	104.9	65.8	125.8
130	100.0	70.0	130.0
132	95.5	67.8	127.8

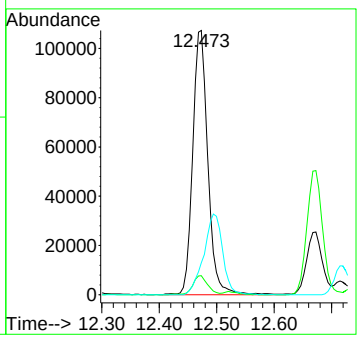


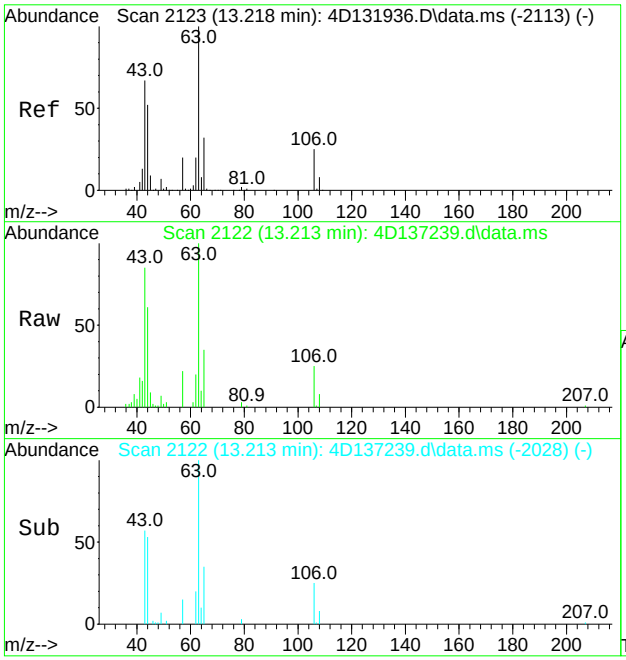


#61
ethyl acrylate
Concen: 17.7873 ug/L
RT: 12.473 min Scan# 1981
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 55 Resp: 196789

Ion	Ratio	Lower	Upper
55	100		
73	7.2	0.0	26.5
99	12.1	0.0	27.5

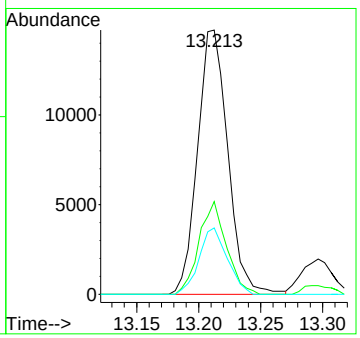


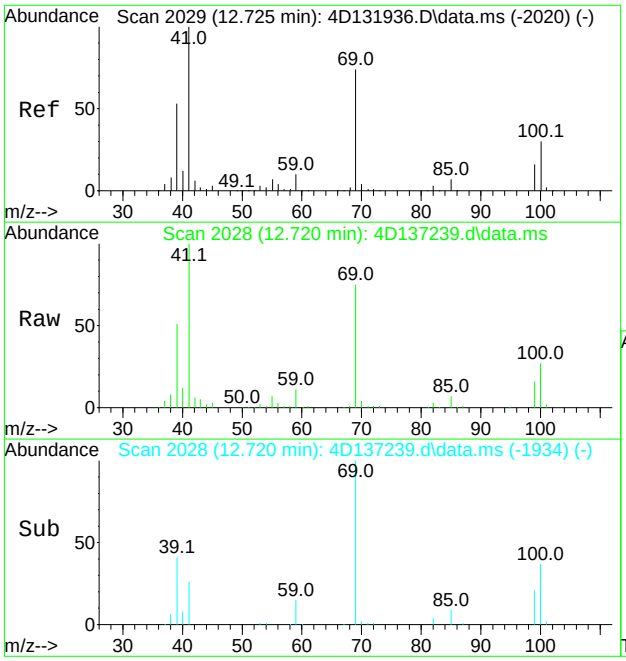


#63
2-chloroethyl vinyl ether
Concen: 7.8137 ug/L
RT: 13.213 min Scan# 2122
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 63 Resp: 25032

Ion	Ratio	Lower	Upper
63	100		
65	35.1	1.7	61.7
106	25.2	0.0	55.3

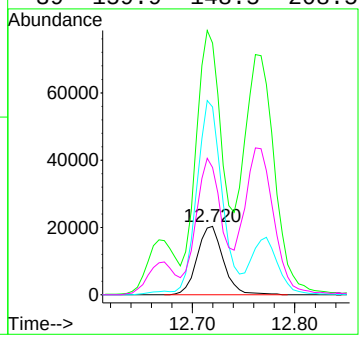


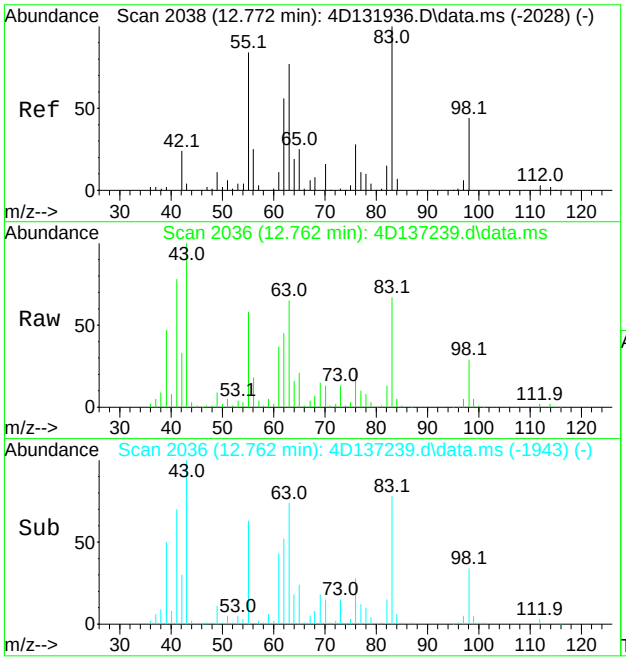


#64
methyl methacrylate
Concen: 18.2219 ug/L
RT: 12.720 min Scan# 2028
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:100 Resp: 36170

Ion	Ratio	Lower	Upper
100	100		
41	323.9	304.3	364.3
69	269.2	217.8	277.8
39	159.9	148.5	208.5

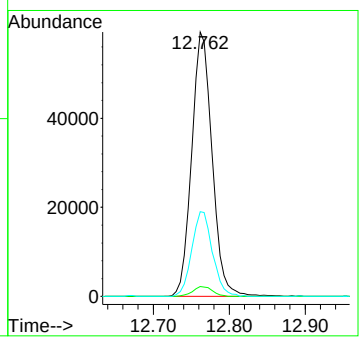


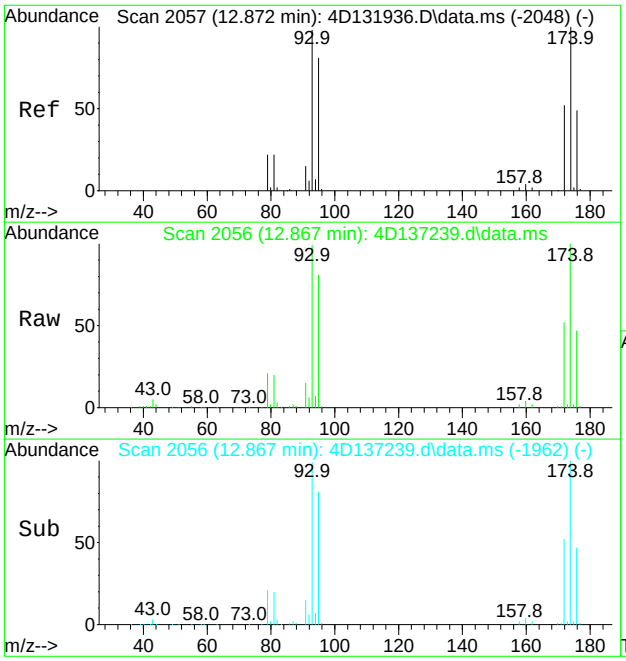


#65
1,2-dichloropropane
Concen: 18.6388 ug/L
RT: 12.762 min Scan# 2036
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 63 Resp: 110881

Ion	Ratio	Lower	Upper
63	100		
112	3.7	0.0	33.7
65	32.0	1.9	61.9

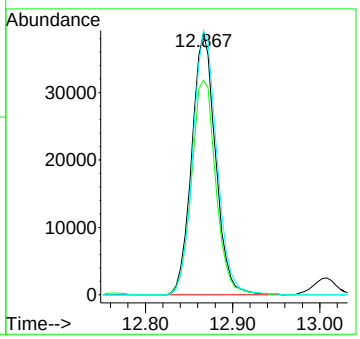


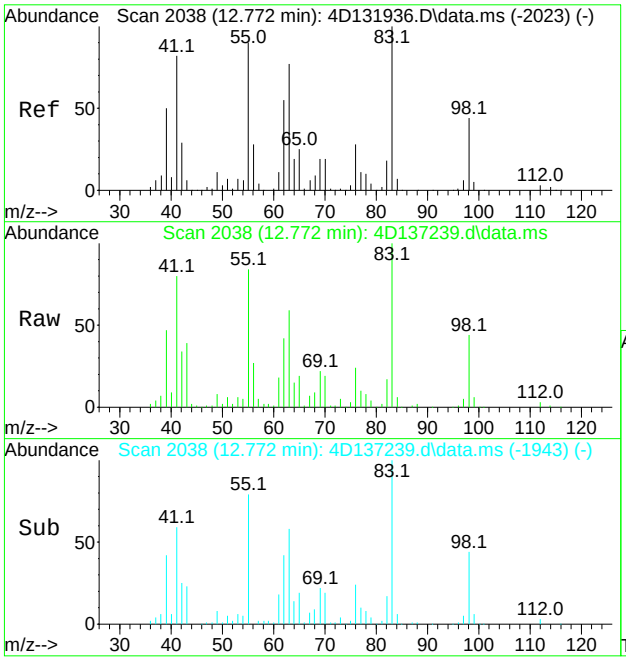


#66
dibromomethane
Concen: 19.5942 ug/L
RT: 12.867 min Scan# 2056
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 93 Resp: 73421

Ion	Ratio	Lower	Upper
93	100		
95	81.9	52.6	112.6
174	100.9	72.4	132.4

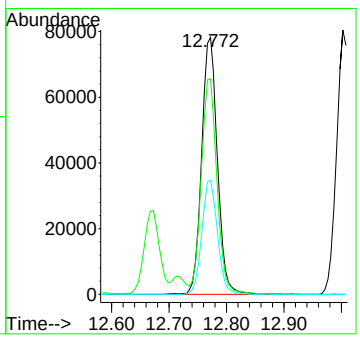


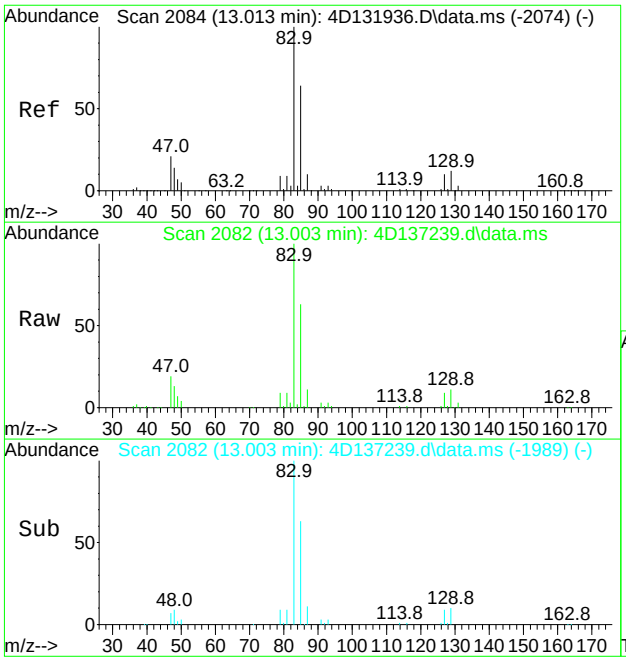


#67
methylcyclohexane
Concen: 18.1621 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. 0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 83 Resp: 149171

Ion	Ratio	Lower	Upper
83	100		
55	83.6	60.5	120.5
98	44.4	14.1	74.1

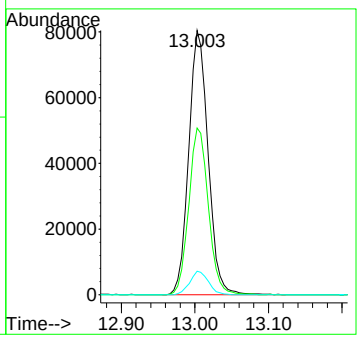


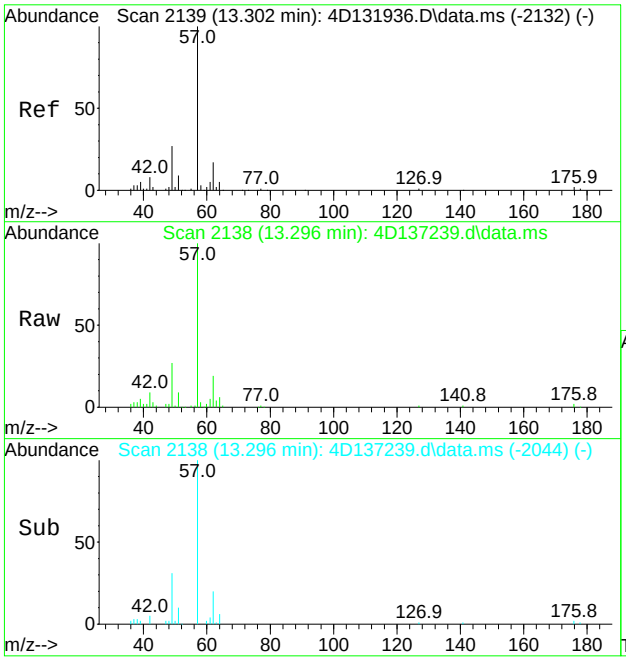


#68
bromodichloromethane
Concen: 19.2190 ug/L
RT: 13.003 min Scan# 2082
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 83 Resp: 147195

Ion	Ratio	Lower	Upper
83	100		
85	63.0	34.4	94.4
127	9.0	0.0	39.7

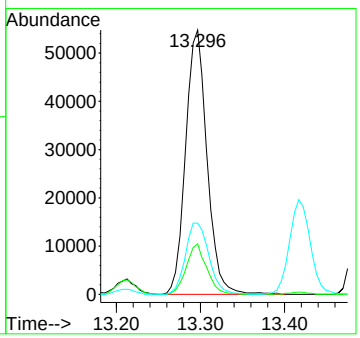


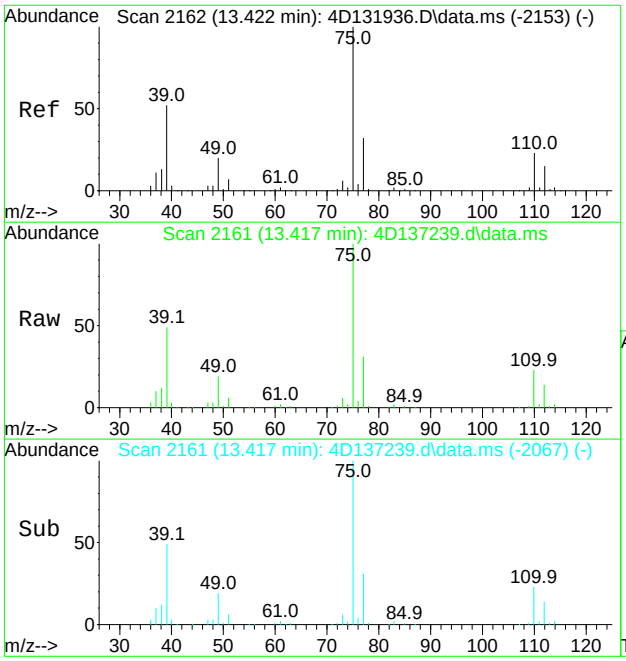


#69
epichlorohydrin
Concen: 85.4780 ug/L
RT: 13.296 min Scan# 2138
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 57 Resp: 96999

Ion	Ratio	Lower	Upper
57	100		
62	19.1	0.0	37.4
49	27.0	6.8	46.8

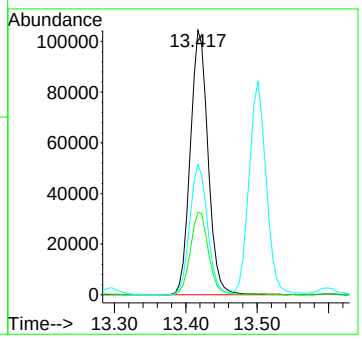


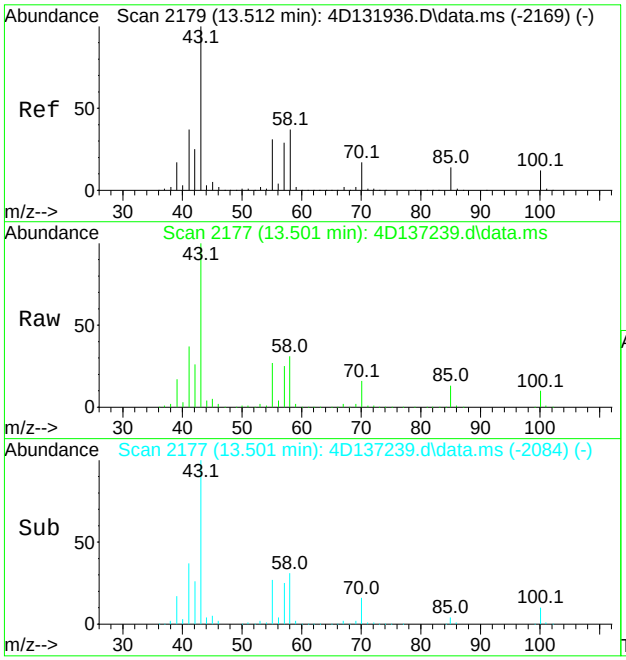


#70
cis-1,3-dichloropropene
Concen: 19.7840 ug/L
RT: 13.417 min Scan# 2161
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 75 Resp: 180259

Ion	Ratio	Lower	Upper
75	100		
77	31.2	1.9	61.9
39	49.3	22.1	82.1

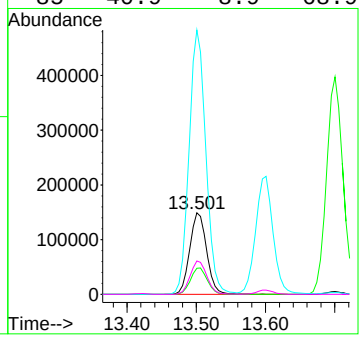


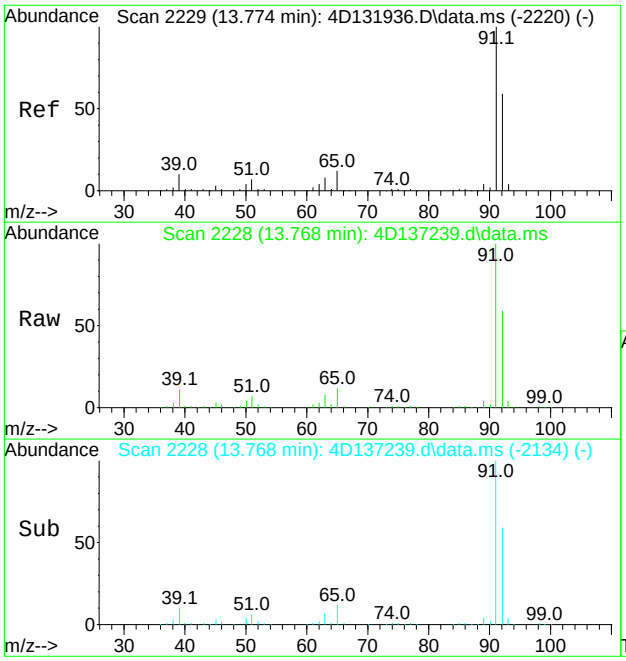


#71
4-methyl-2-pentanone
Concen: 70.7549 ug/L
RT: 13.501 min Scan# 2177
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 58 Resp: 253296

Ion	Ratio	Lower	Upper
58	100		
100	32.0	2.6	62.6
43	323.5	244.0	304.0#
85	40.9	8.9	68.9

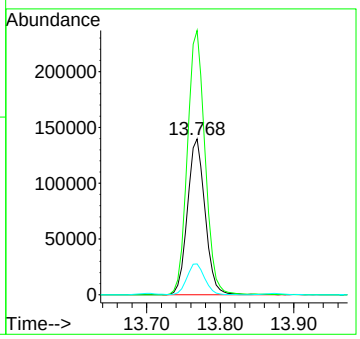


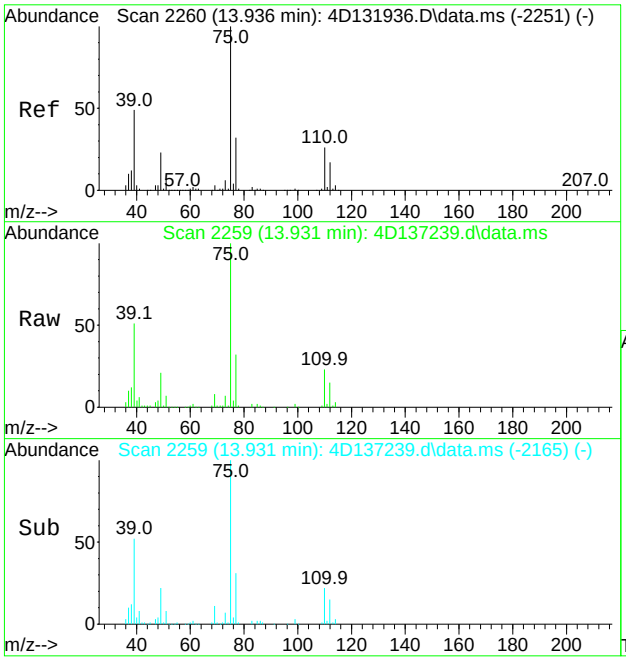


#75
toluene
Concen: 19.4003 ug/L
RT: 13.768 min Scan# 2228
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 92 Resp: 232342

Ion	Ratio	Lower	Upper
92	100		
91	169.6	150.1	190.1
65	19.5	0.0	39.8

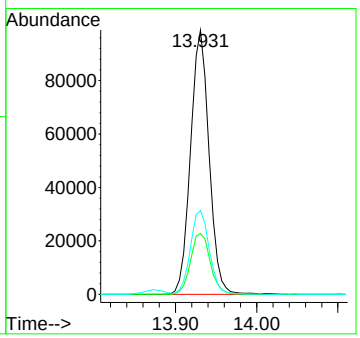


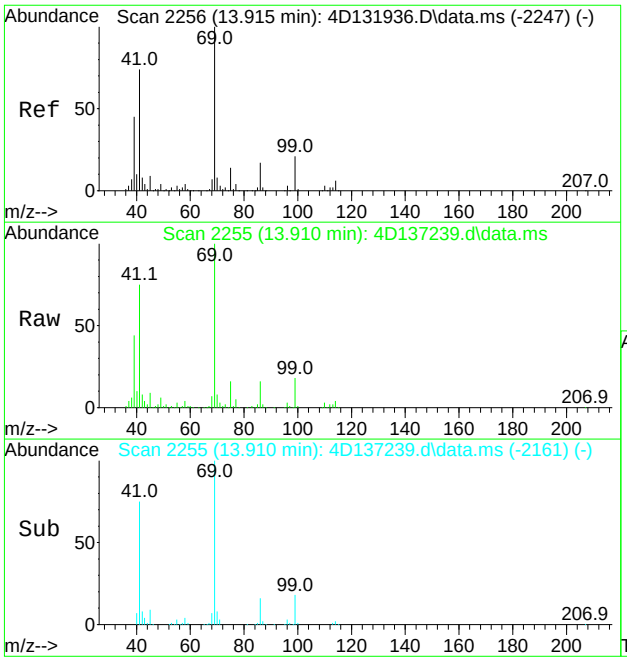


#76
trans-1,3-dichloropropene
Concen: 19.8547 ug/L
RT: 13.931 min Scan# 2259
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 75 Resp: 156792

Ion	Ratio	Lower	Upper
75	100		
110	23.0	5.6	45.6
77	31.5	12.5	52.5

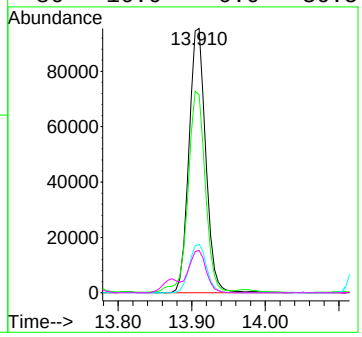


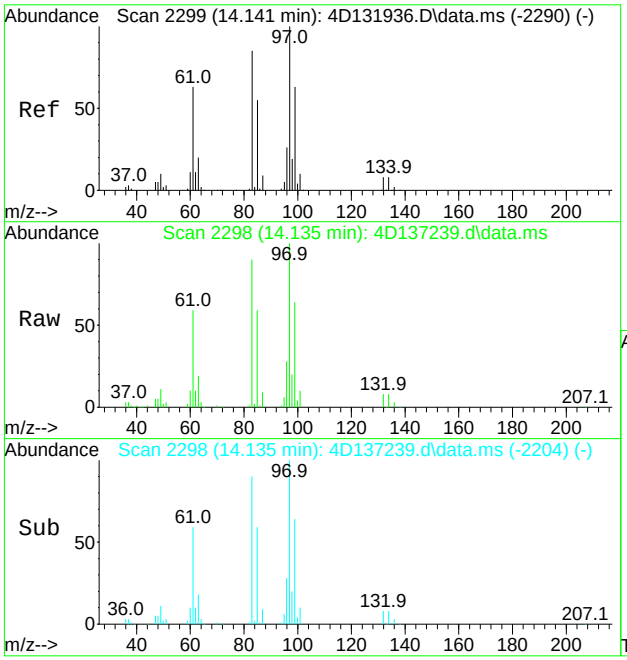


#77
ethyl methacrylate
Concen: 19.4862 ug/L
RT: 13.910 min Scan# 2255
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 69 Resp: 151554

Ion	Ratio	Lower	Upper
69	100		
41	74.8	53.7	93.7
99	18.3	0.5	40.5
86	16.0	0.0	36.5

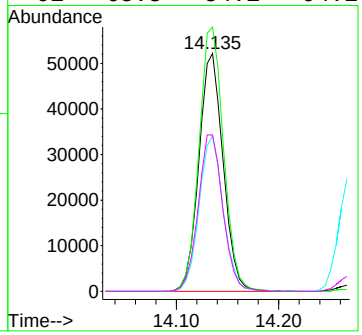


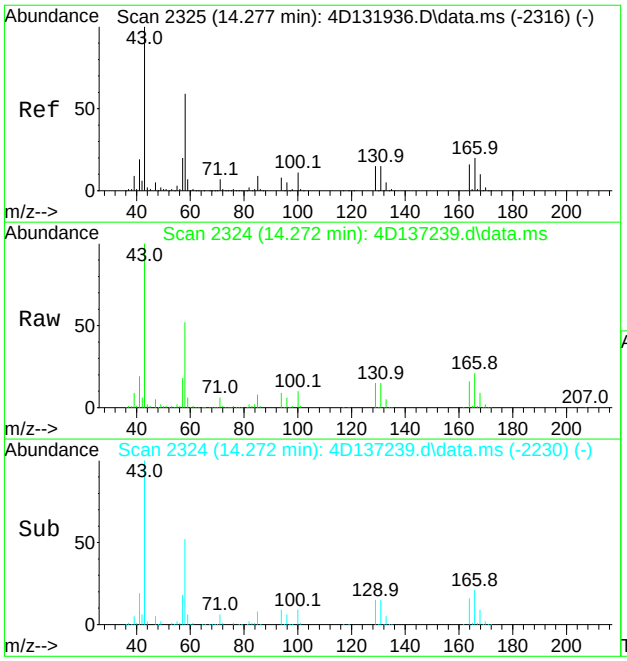


#78
1,1,2-trichloroethane
Concen: 20.2056 ug/L
RT: 14.135 min Scan# 2298
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 83 Resp: 86201

Ion	Ratio	Lower	Upper
83	100		
97	111.2	98.0	138.0
85	65.4	44.8	84.8
61	65.8	54.1	94.1

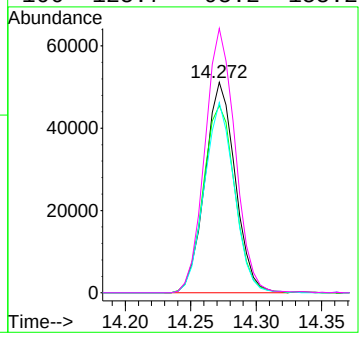


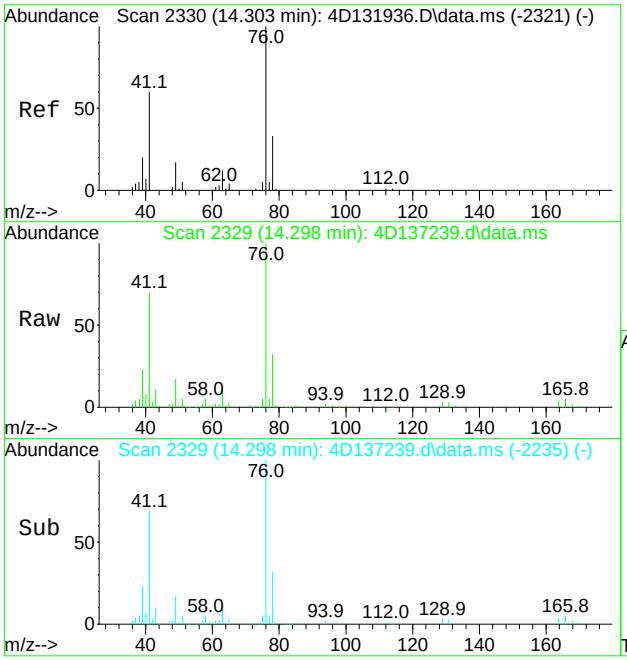


#79
tetrachloroethene
Concen: 19.8104 ug/L
RT: 14.272 min Scan# 2324
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:164 Resp: 82459

Ion	Ratio	Lower	Upper
164	100		
129	89.0	63.3	123.3
131	90.4	59.8	119.8
166	125.7	95.2	155.2

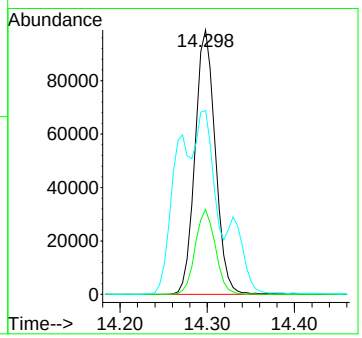


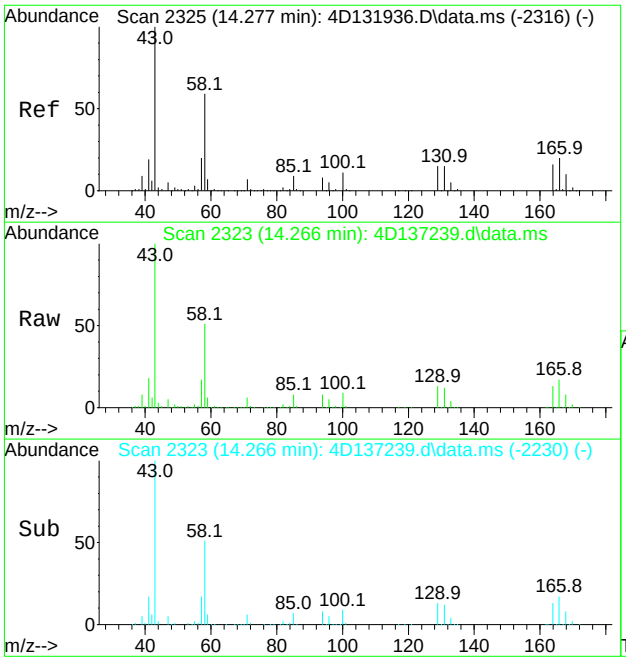


#80
1,3-dichloropropane
Concen: 21.2617 ug/L
RT: 14.298 min Scan# 2329
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 76 Resp: 159877

Ion	Ratio	Lower	Upper
76	100		
78	32.1	2.5	62.5
41	69.1	40.0	100.0

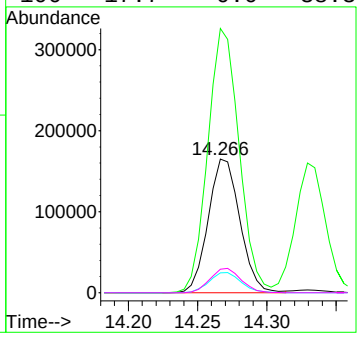


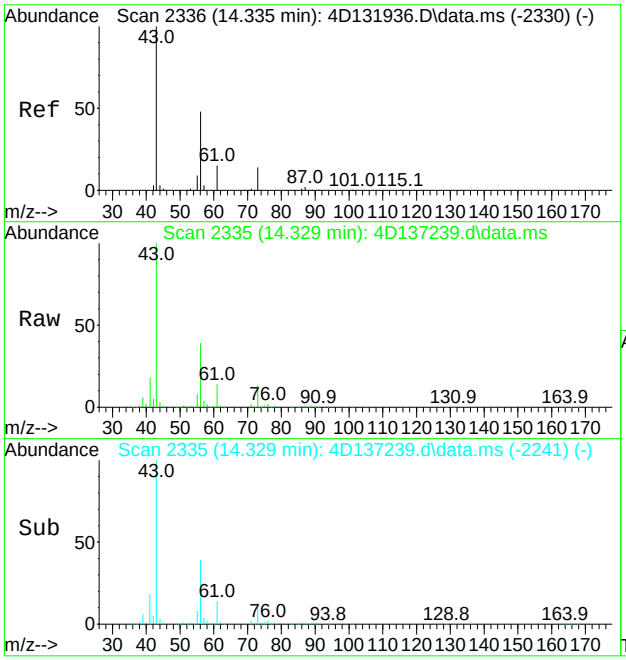


#81
2-hexanone
Concen: 70.0536 ug/L
RT: 14.266 min Scan# 2323
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 58 Resp: 262294

Ion	Ratio	Lower	Upper
58	100		
43	197.5	149.1	189.1#
85	14.9	0.0	34.7
100	17.7	0.0	38.3

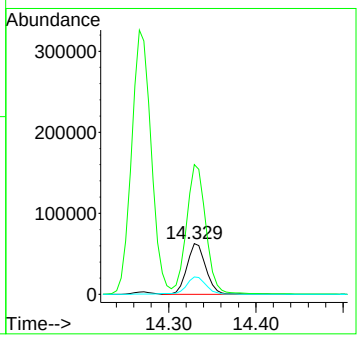


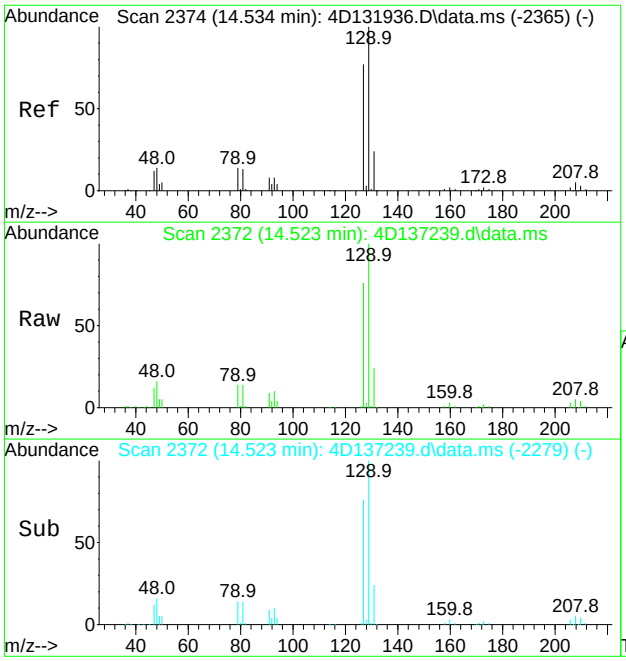


#82
butyl acetate
Concen: 17.8046 ug/L
RT: 14.329 min Scan# 2335
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 56 Resp: 94839

Ion	Ratio	Lower	Upper
56	100		
43	253.9	196.2	256.2
73	34.3	0.0	59.9

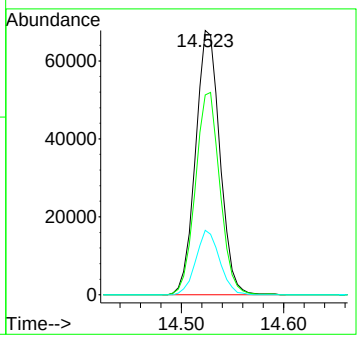


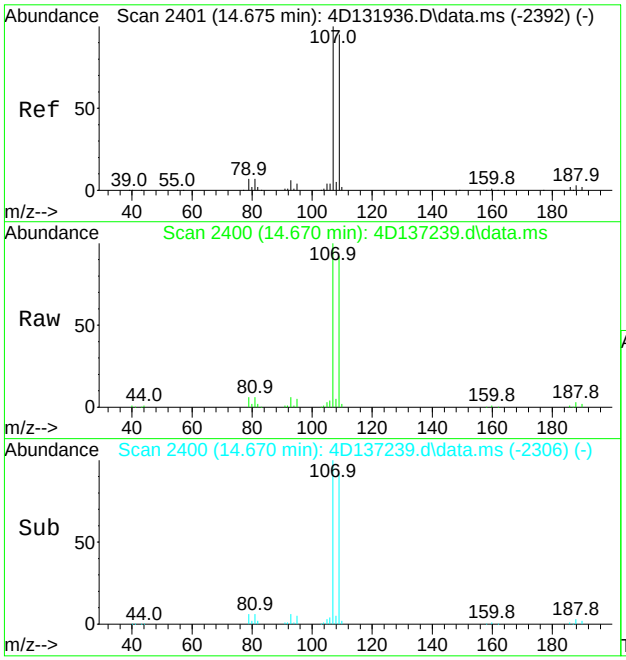


#83
dibromochloromethane
Concen: 18.9111 ug/L
RT: 14.523 min Scan# 2372
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:129 Resp: 112299

Ion	Ratio	Lower	Upper
129	100		
127	75.6	47.2	107.2
131	24.4	0.0	54.4

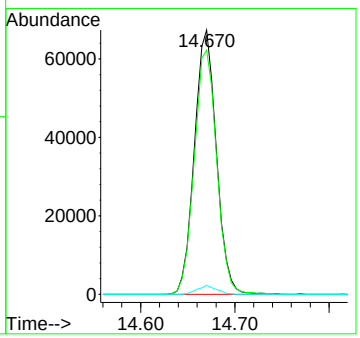


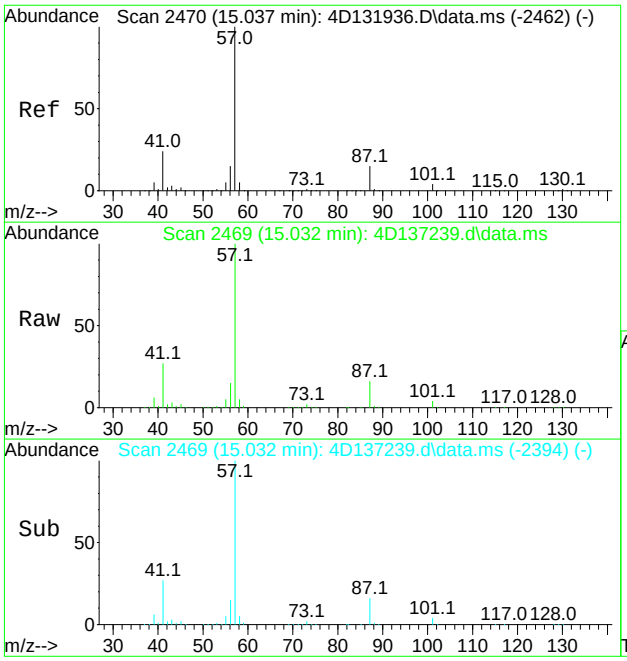


#84
1,2-dibromoethane
Concen: 20.0621 ug/L
RT: 14.670 min Scan# 2400
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:107 Resp: 109167

Ion	Ratio	Lower	Upper
107	100		
109	92.3	65.1	125.1
188	3.5	0.0	33.2

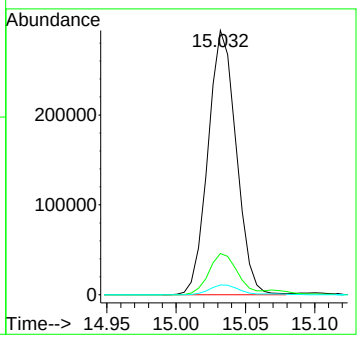


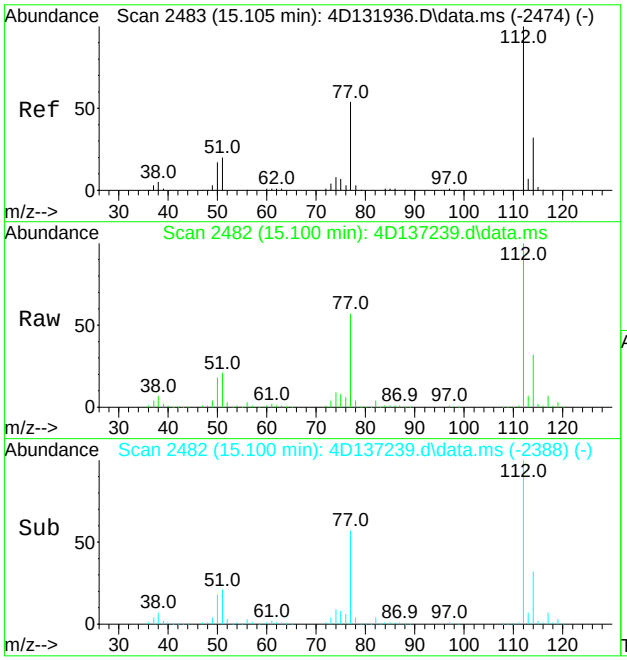


#85
n-butyl ether
Concen: 18.4653 ug/L
RT: 15.032 min Scan# 2469
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 57 Resp: 415958

Ion	Ratio	Lower	Upper
57	100		
87	15.6	0.0	44.7
101	3.8	0.0	33.8

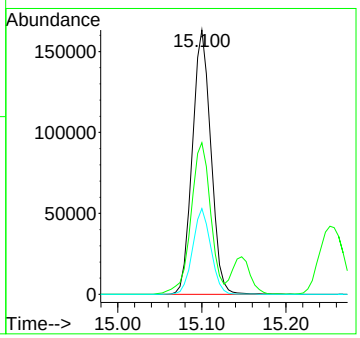


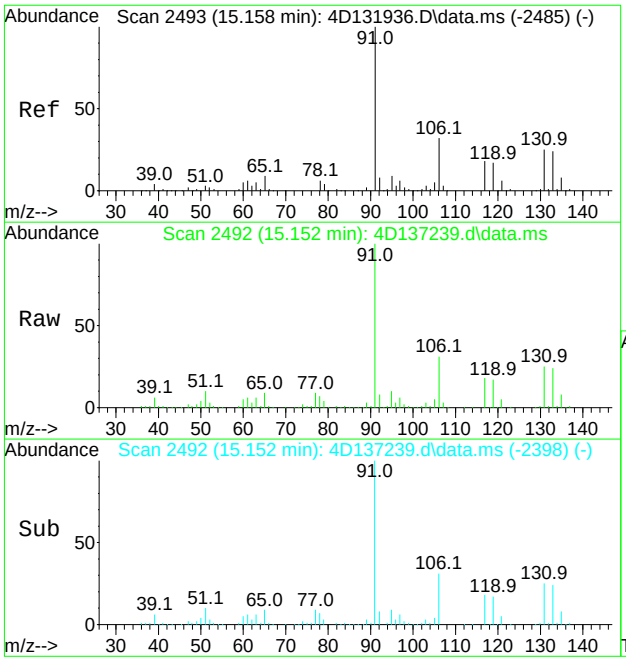


#86
chlorobenzene
Concen: 18.9730 ug/L
RT: 15.100 min Scan# 2482
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:112 Resp: 249952

Ion	Ratio	Lower	Upper
112	100		
77	57.2	23.8	83.8
114	32.5	2.2	62.2

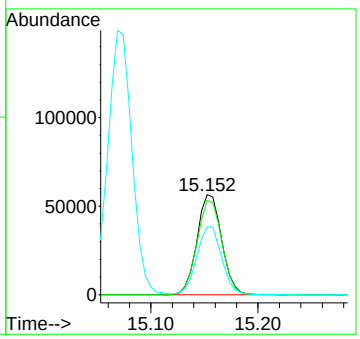


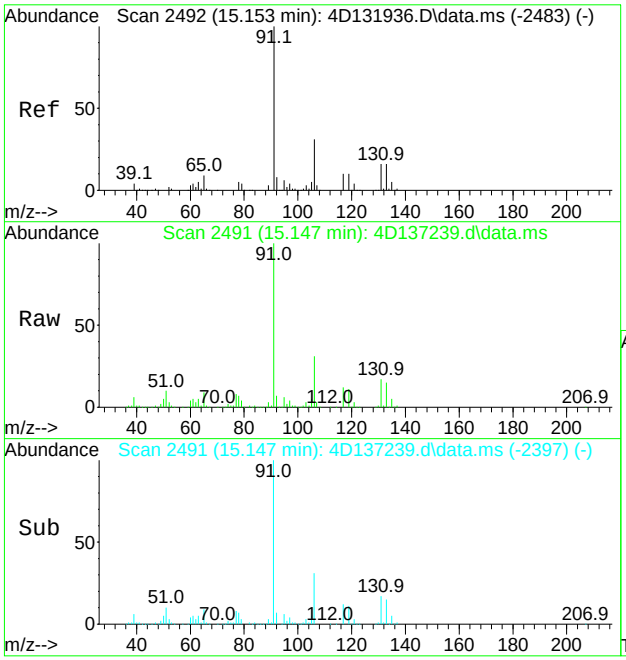


#87
1,1,1,2-tetrachloroethane
Concen: 19.1258 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:131 Resp: 90963

Ion	Ratio	Lower	Upper
131	100		
133	94.2	66.4	126.4
119	68.0	37.8	97.8

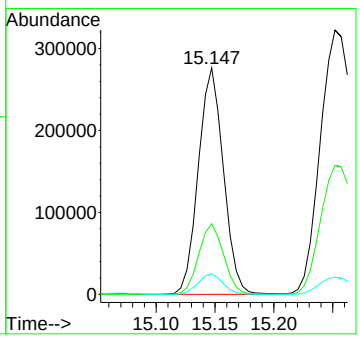


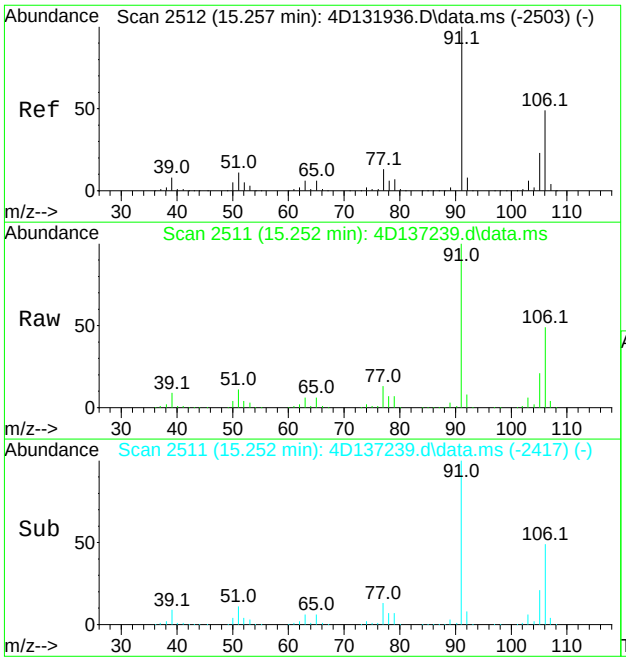


#88
ethylbenzene
Concen: 19.0997 ug/L
RT: 15.147 min Scan# 2491
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 91 Resp: 410679

Ion	Ratio	Lower	Upper
91	100		
106	31.2	1.3	61.3
65	9.2	0.0	39.1

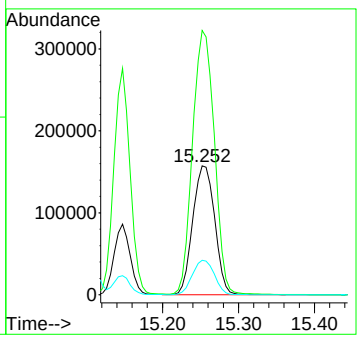


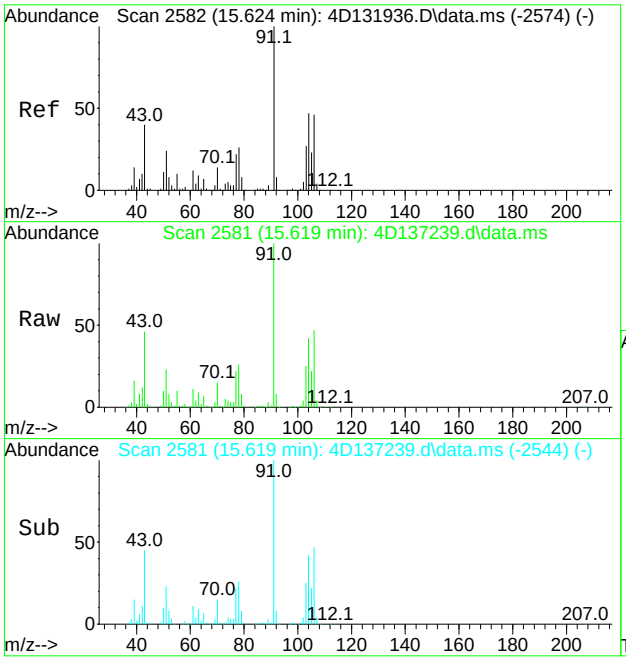


#89
m,p-xylene
Concen: 38.3099 ug/L
RT: 15.252 min Scan# 2511
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:106 Resp: 316874

Ion	Ratio	Lower	Upper
106	100		
91	204.6	173.6	233.6
77	26.7	5.6	45.6

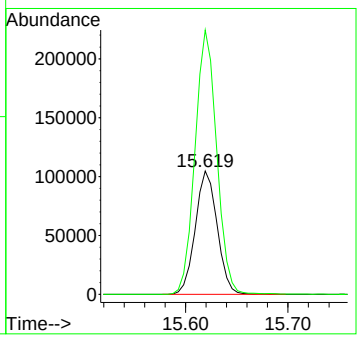


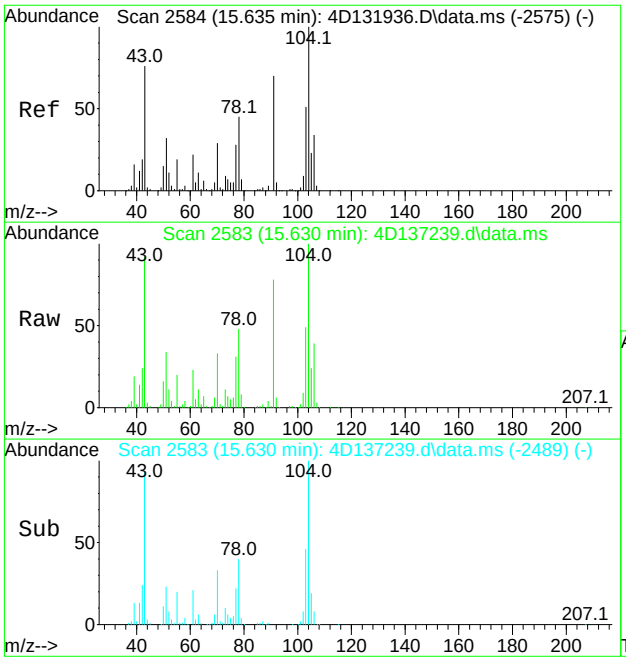


#90
o-xylene
Concen: 19.3126 ug/L
RT: 15.619 min Scan# 2581
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:106 Resp: 156406

Ion	Ratio	Lower	Upper
106	100		
91	214.3	188.2	248.2

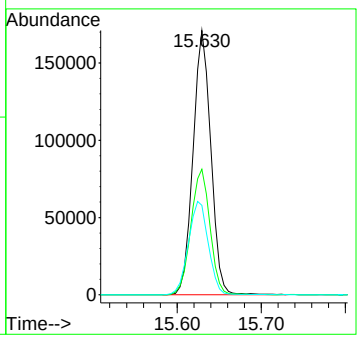


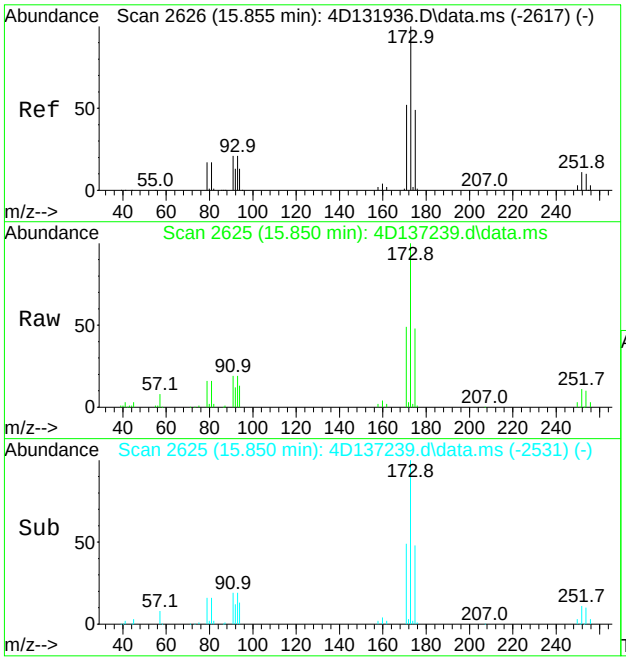


#91
styrene
Concen: 18.5163 ug/L
RT: 15.630 min Scan# 2583
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:104 Resp: 251724

Ion	Ratio	Lower	Upper
104	100		
78	47.5	14.9	74.9
51	33.9	2.1	62.1

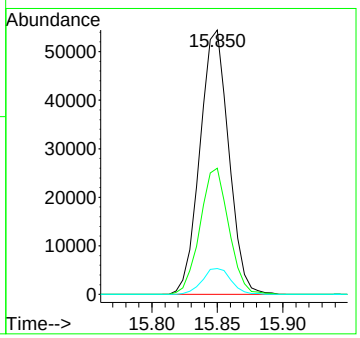


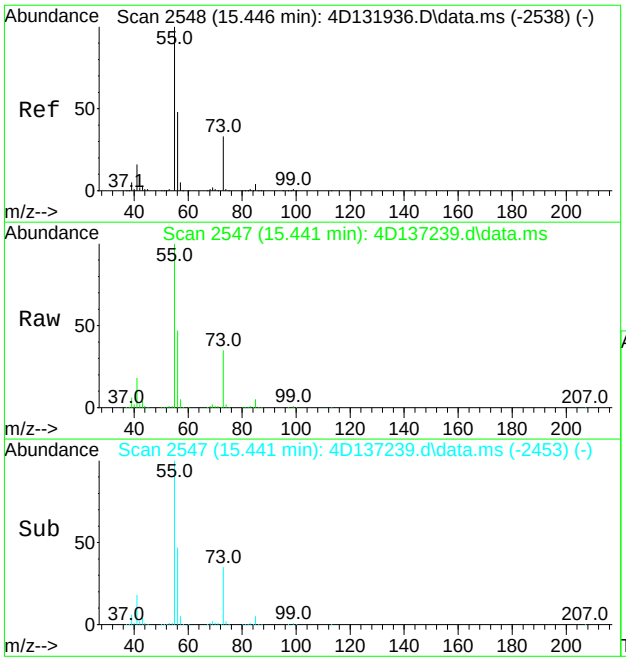


#92
bromoform
Concen: 19.6955 ug/L
RT: 15.850 min Scan# 2625
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:173 Resp: 83519

Ion	Ratio	Lower	Upper
173	100		
175	47.7	18.7	78.7
254	9.8	0.0	40.1

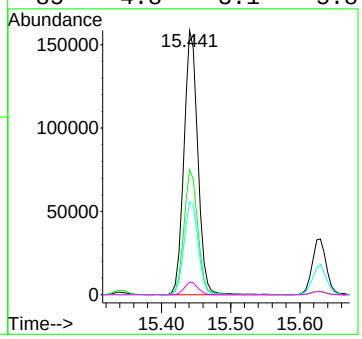


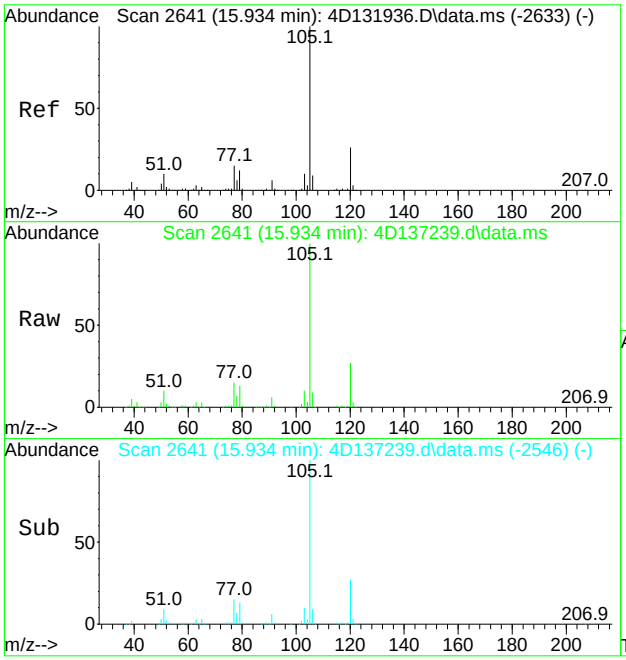


#93
butyl acrylate
Concen: 17.6021 ug/L
RT: 15.441 min Scan# 2547
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 55 Resp: 223796

Ion	Ratio	Lower	Upper
55	100		
56	47.3	33.5	62.1
73	35.1	23.2	43.2
85	4.8	3.1	5.8

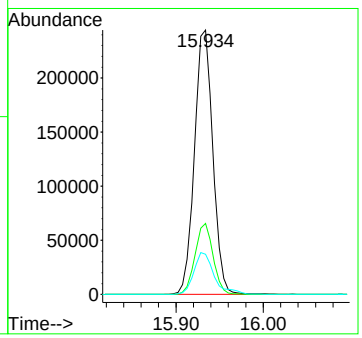


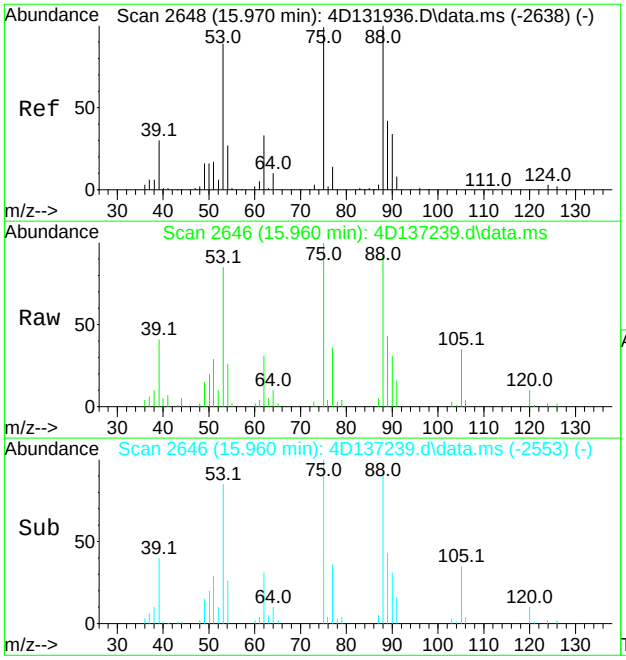


#94
isopropylbenzene
Concen: 19.0675 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:105 Resp: 357834

Ion	Ratio	Lower	Upper
105	100		
120	26.9	5.9	45.9
77	15.1	0.0	34.7

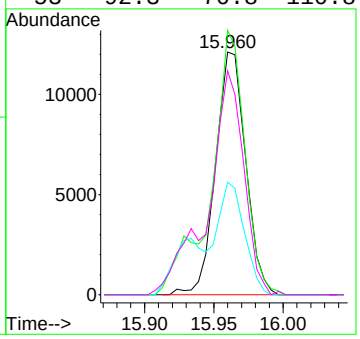


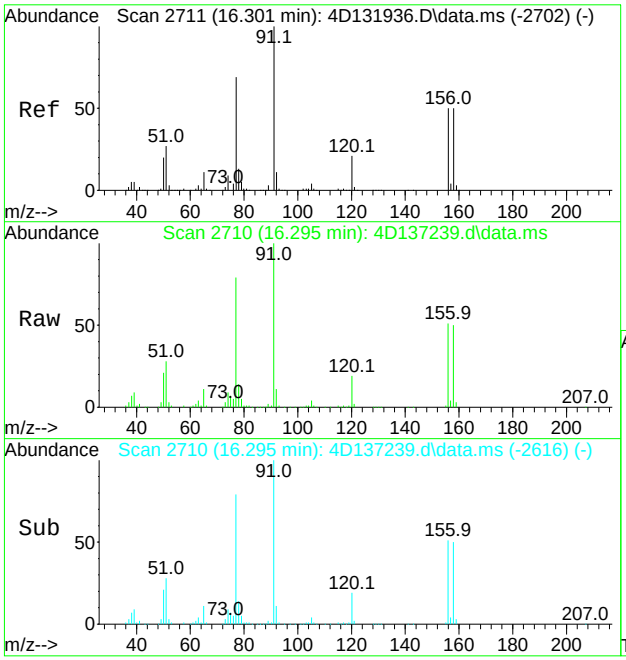


#95
cis-1,4-dichloro-2-butene
Concen: 7.3913 ug/L
RT: 15.960 min Scan# 2646
Delta R.T. -0.010 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 88 Resp: 18284

Ion	Ratio	Lower	Upper
88	100		
75	108.9	80.4	120.4
89	46.4	23.8	63.8
53	92.3	70.8	110.8

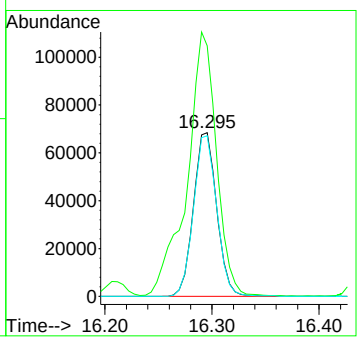


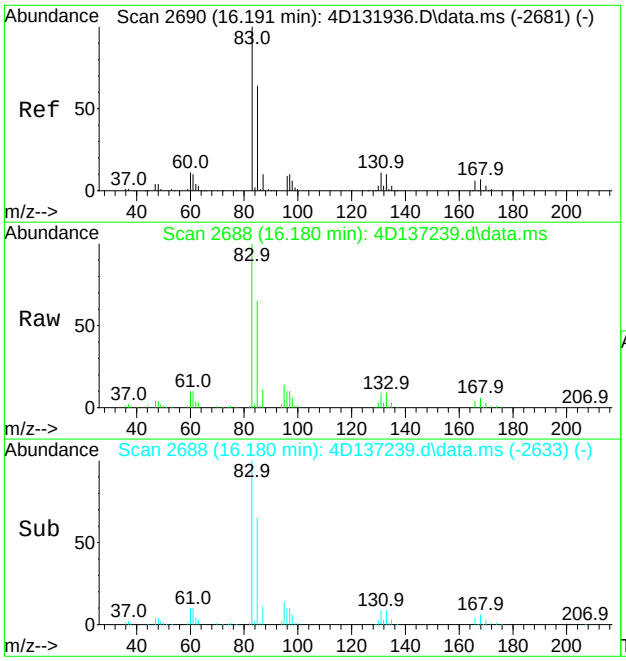


#98
bromobenzene
Concen: 19.7884 ug/L
RT: 16.295 min Scan# 2710
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:156 Resp: 103485

Ion	Ratio	Lower	Upper
156	100		
77	152.9	114.1	174.1
158	98.2	69.3	129.3

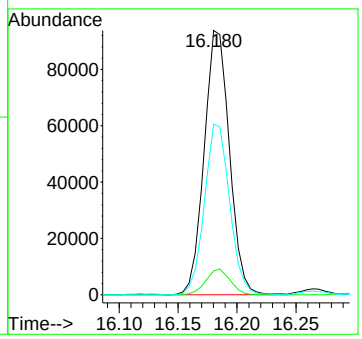


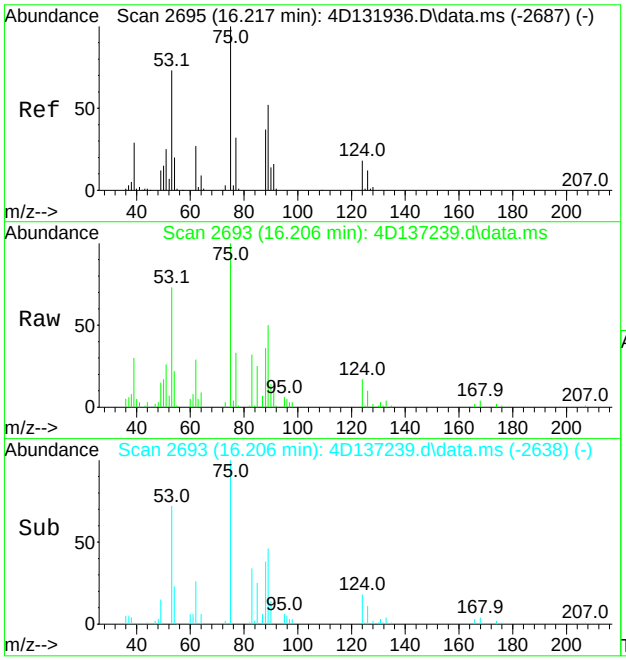


#99
1,1,2,2-tetrachloroethane
Concen: 20.2810 ug/L
RT: 16.180 min Scan# 2688
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 83 Resp: 140499

Ion	Ratio	Lower	Upper
83	100		
131	9.0	0.0	40.7
85	64.5	33.7	93.7

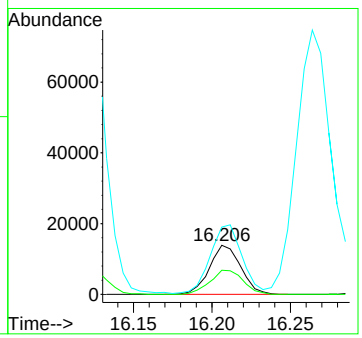


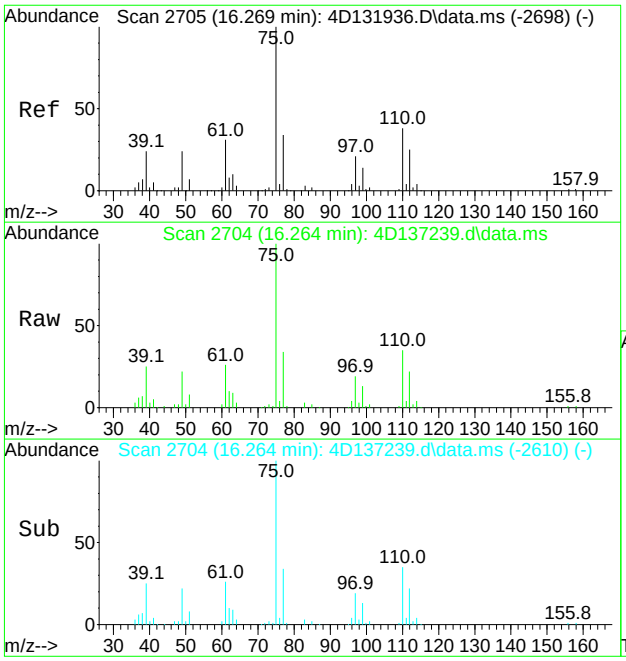


#100
trans-1,4-dichloro-2-butene
Concen: 9.1520 ug/L
RT: 16.206 min Scan# 2693
Delta R.T. -0.011 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 53 Resp: 19295

Ion	Ratio	Lower	Upper
53	100		
88	49.1	20.8	80.8
75	133.1	106.5	166.5

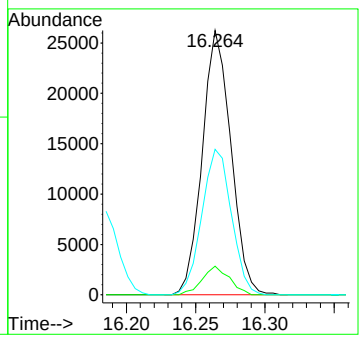


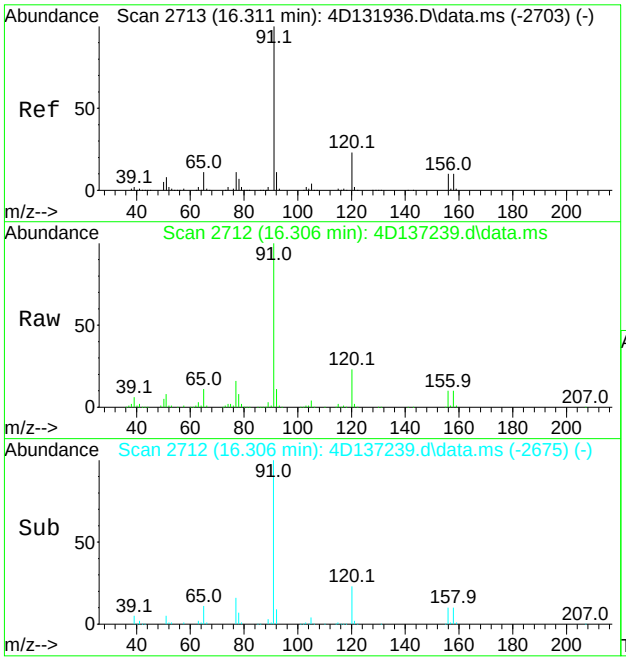


#101
1,2,3-trichloropropane
Concen: 20.3074 ug/L
RT: 16.264 min Scan# 2704
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:110 Resp: 37720

Ion	Ratio	Lower	Upper
110	100		
111	10.8	0.0	40.4
97	55.0	25.6	85.6

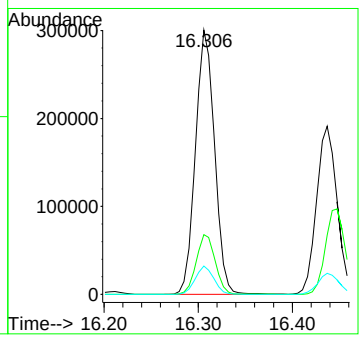


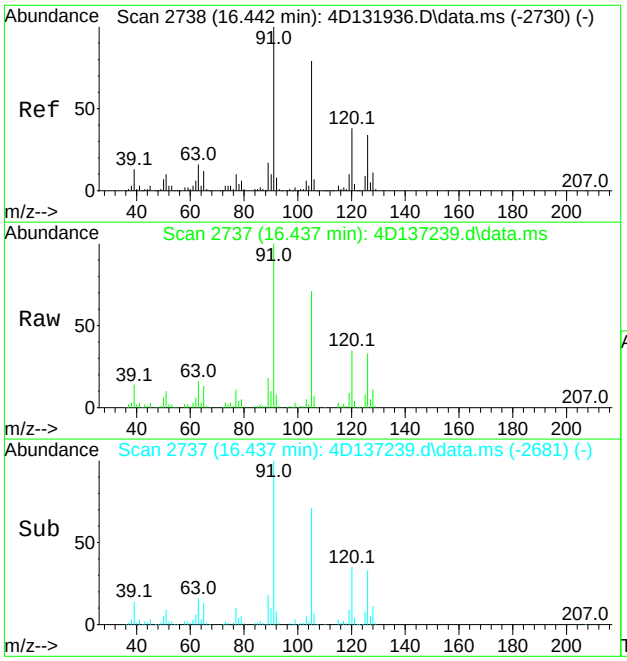


#102
n-propylbenzene
Concen: 19.4012 ug/L
RT: 16.306 min Scan# 2712
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 91 Resp: 423397

Ion	Ratio	Lower	Upper
91	100		
120	22.6	0.0	53.1
65	10.7	0.0	40.8

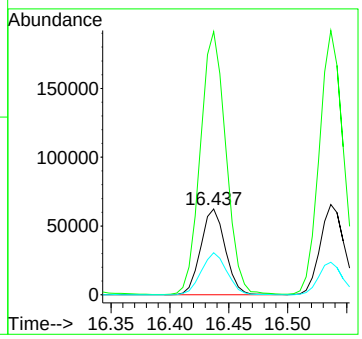


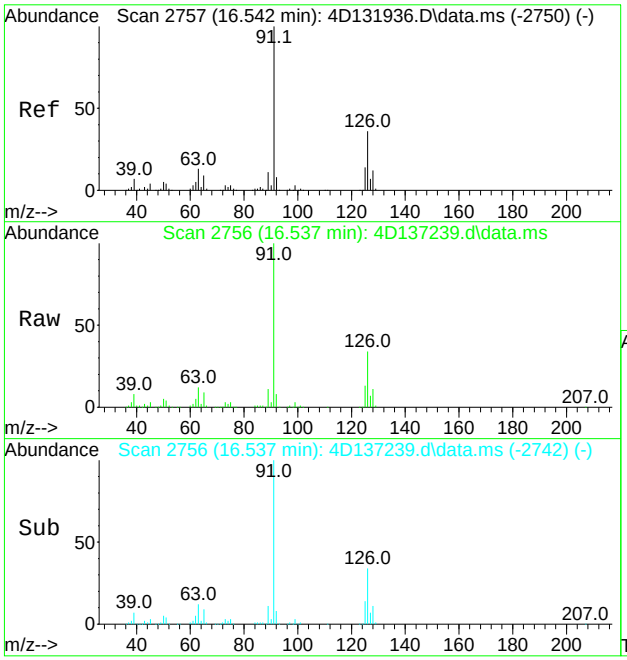


#103
2-chlorotoluene
Concen: 19.2942 ug/L
RT: 16.437 min Scan# 2737
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:126 Resp: 90754

Ion	Ratio	Lower	Upper
126	100		
91	306.3	265.9	325.9
63	49.2	18.3	78.3

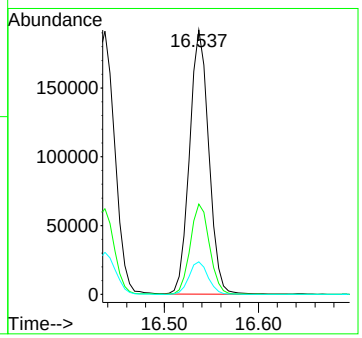


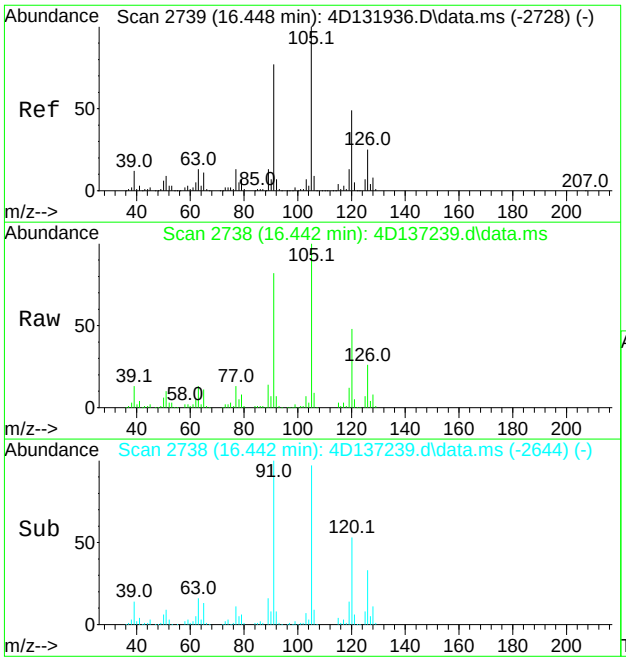


#104
4-chlorotoluene
Concen: 18.9696 ug/L
RT: 16.537 min Scan# 2756
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 91 Resp: 272125

Ion	Ratio	Lower	Upper
91	100		
126	34.2	5.5	65.5
63	12.3	0.0	42.5

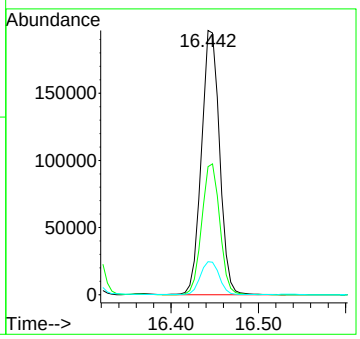


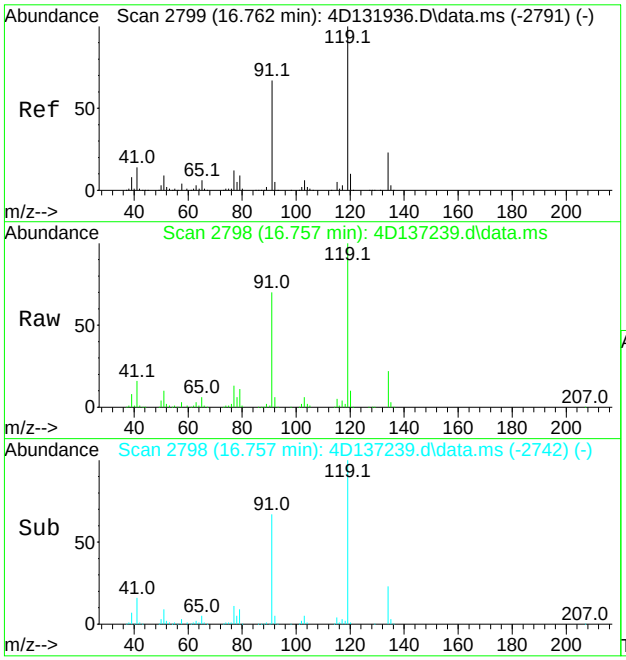


#105
1,3,5-trimethylbenzene
Concen: 18.4858 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:105 Resp: 284113

Ion	Ratio	Lower	Upper
105	100		
120	48.4	19.3	79.3
77	12.4	0.0	42.7

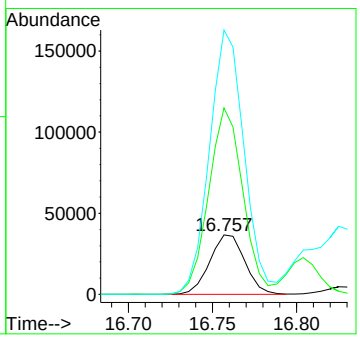


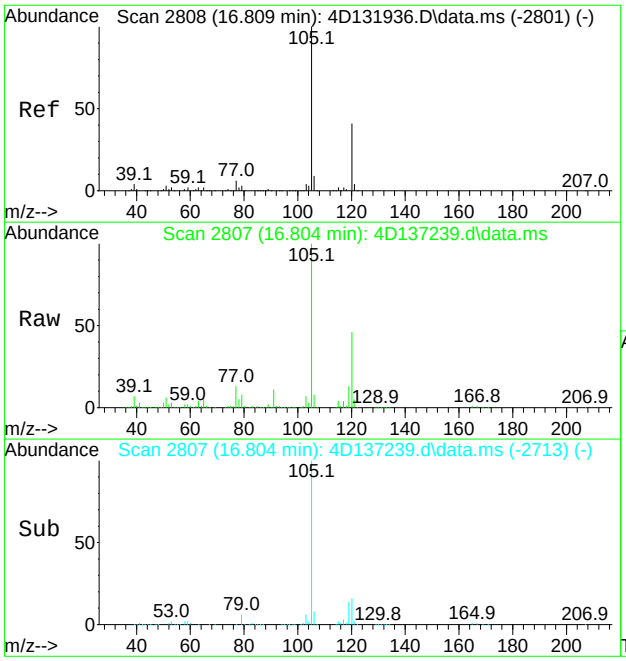


#106
tert-butylbenzene
Concen: 18.6819 ug/L
RT: 16.757 min Scan# 2798
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:134 Resp: 53279

Ion	Ratio	Lower	Upper
134	100		
91	313.7	266.0	326.0
119	445.4	410.0	470.0

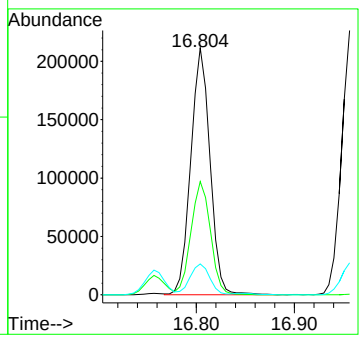


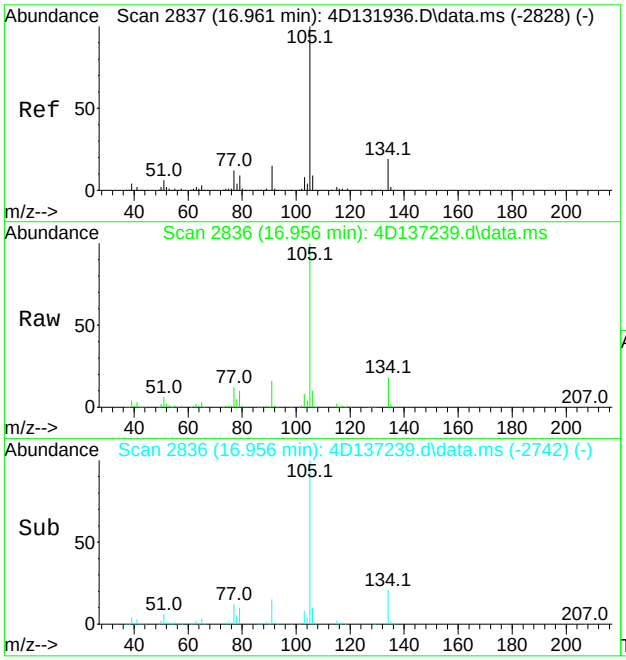


#107
1,2,4-trimethylbenzene
Concen: 18.6025 ug/L
RT: 16.804 min Scan# 2807
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:105 Resp: 288138

Ion	Ratio	Lower	Upper
105	100		
120	45.8	15.8	75.8
77	12.6	0.0	41.4

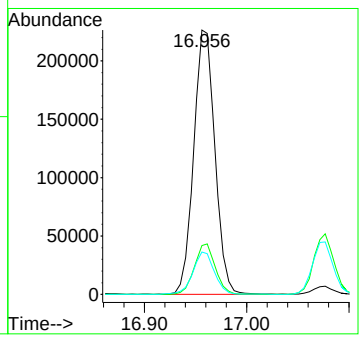


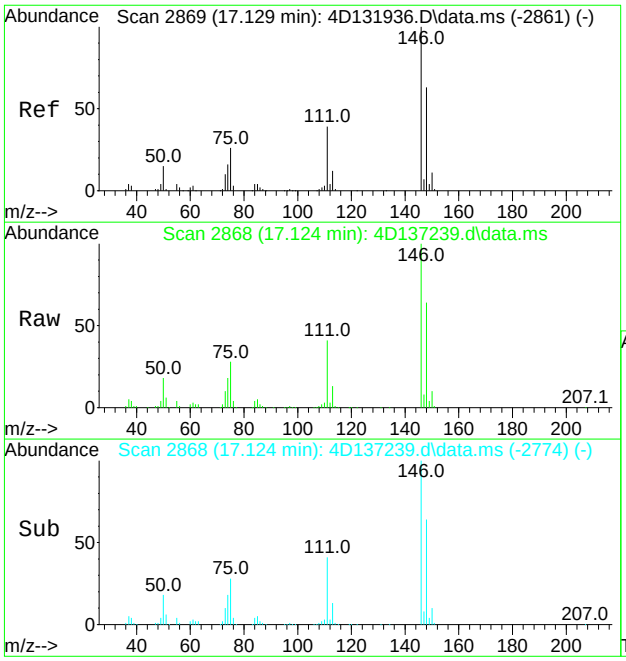


#108
sec-butylbenzene
Concen: 18.3544 ug/L
RT: 16.956 min Scan# 2836
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:105 Resp: 327974

Ion	Ratio	Lower	Upper
105	100		
134	18.4	0.0	48.6
91	16.0	0.0	45.4

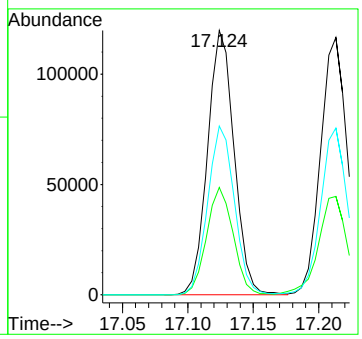


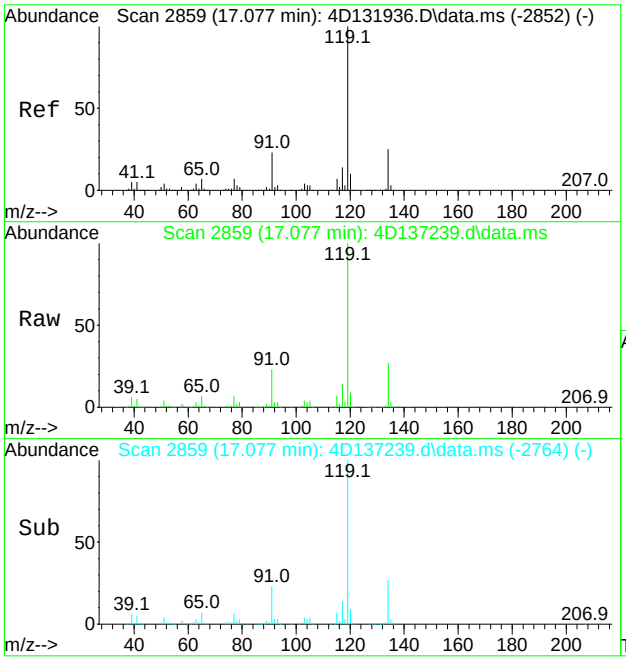


#109
1,3-dichlorobenzene
Concen: 18.8260 ug/L
RT: 17.124 min Scan# 2868
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:146 Resp: 170073

Ion	Ratio	Lower	Upper
146	100		
111	40.6	9.4	69.4
148	63.9	33.3	93.3

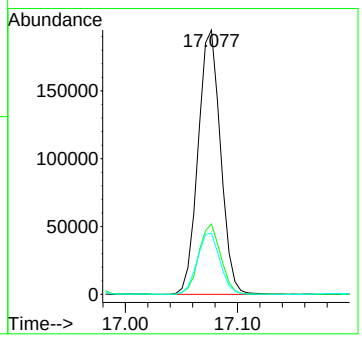


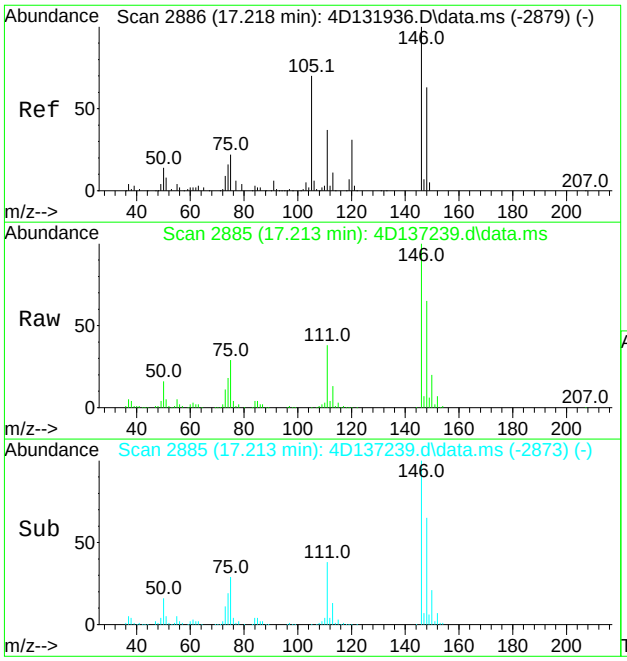


#110
p-isopropyltoluene
Concen: 18.2706 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. -0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:119 Resp: 270510

Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	55.5
91	23.1	0.0	53.2

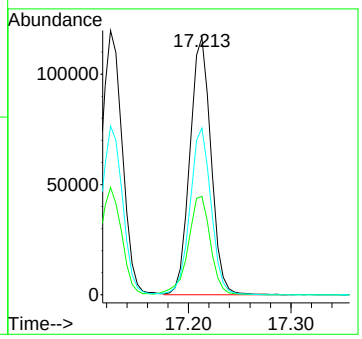


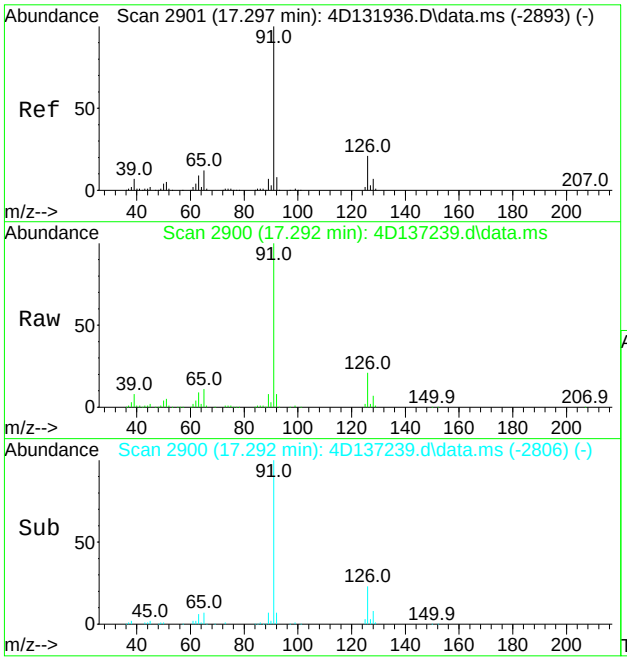


#111
1,4-dichlorobenzene
Concen: 19.2653 ug/L
RT: 17.213 min Scan# 2885
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:146 Resp: 167569

Ion	Ratio	Lower	Upper
146	100		
111	38.1	7.6	67.6
148	64.8	33.6	93.6

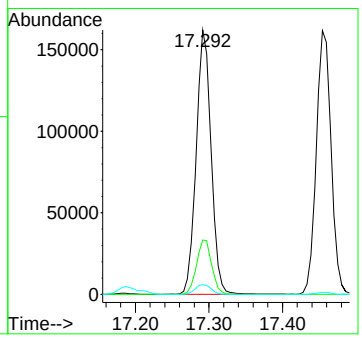


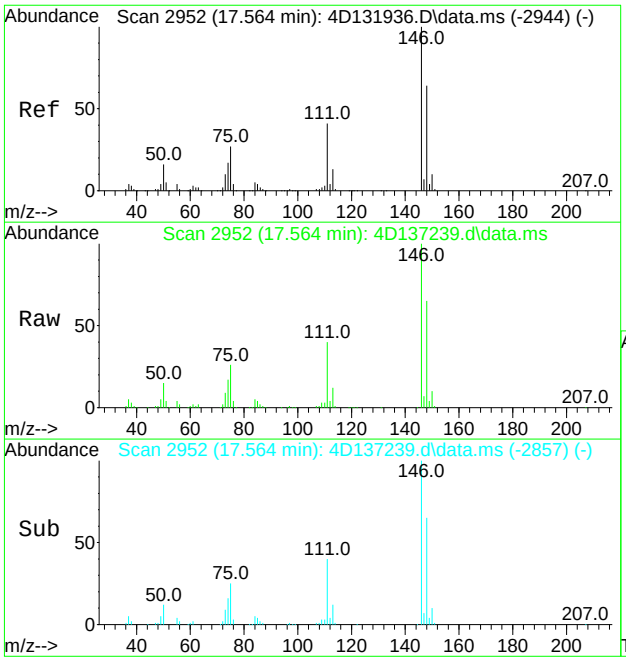


#113
benzyl chloride
Concen: 19.3212 ug/L
RT: 17.292 min Scan# 2900
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 91 Resp: 228520

Ion	Ratio	Lower	Upper
91	100		
126	20.6	0.0	51.2
62	3.7	0.0	34.2

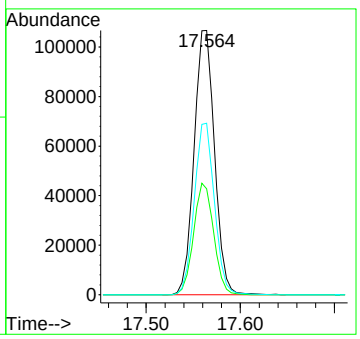


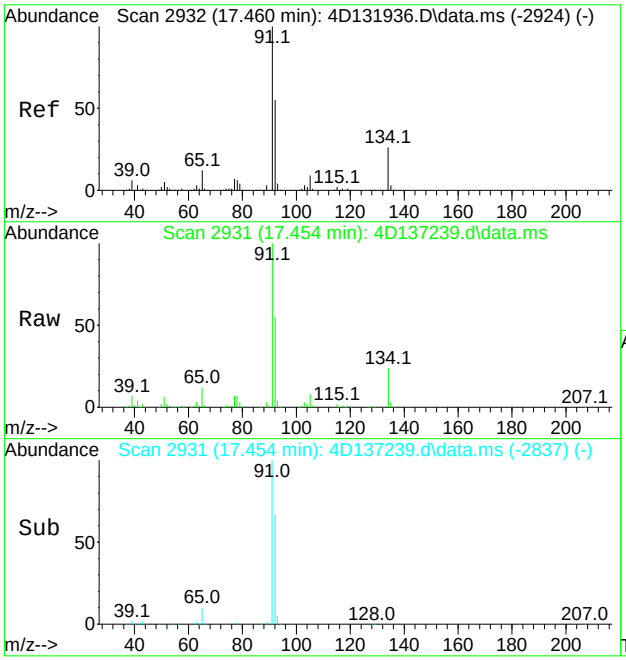


#114
1,2-dichlorobenzene
Concen: 18.8480 ug/L
RT: 17.564 min Scan# 2952
Delta R.T. 0.000 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:146 Resp: 160661

Ion	Ratio	Lower	Upper
146	100		
111	40.1	11.4	71.4
148	64.9	33.6	93.6

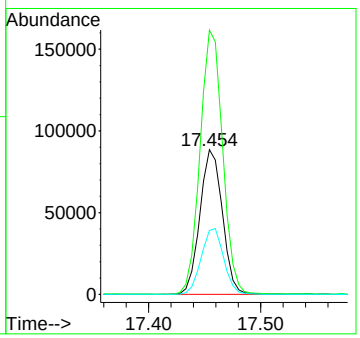


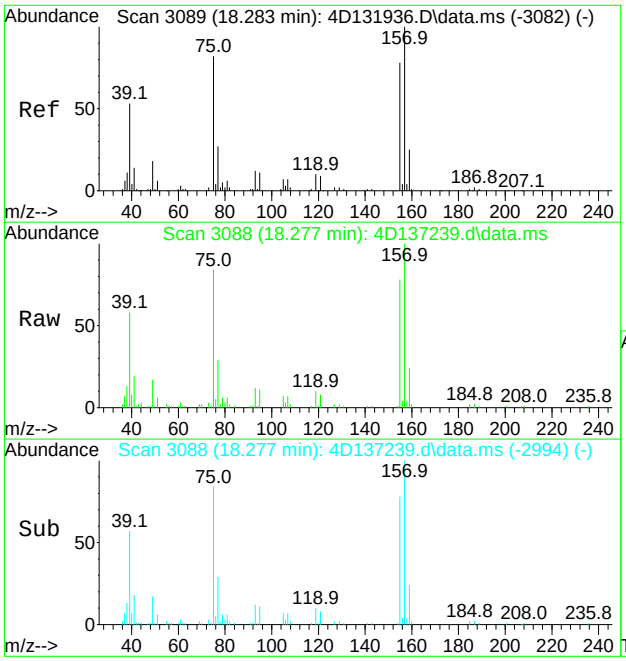


#115
n-butylbenzene
Concen: 18.9209 ug/L
RT: 17.454 min Scan# 2931
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion: 92 Resp: 123504

Ion	Ratio	Lower	Upper
92	100		
91	182.6	151.4	211.4
134	44.3	16.5	76.5

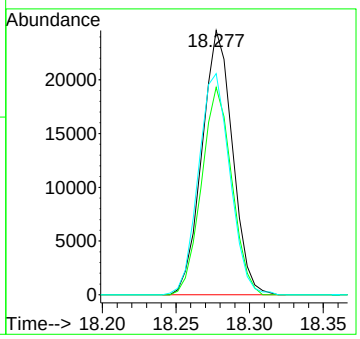


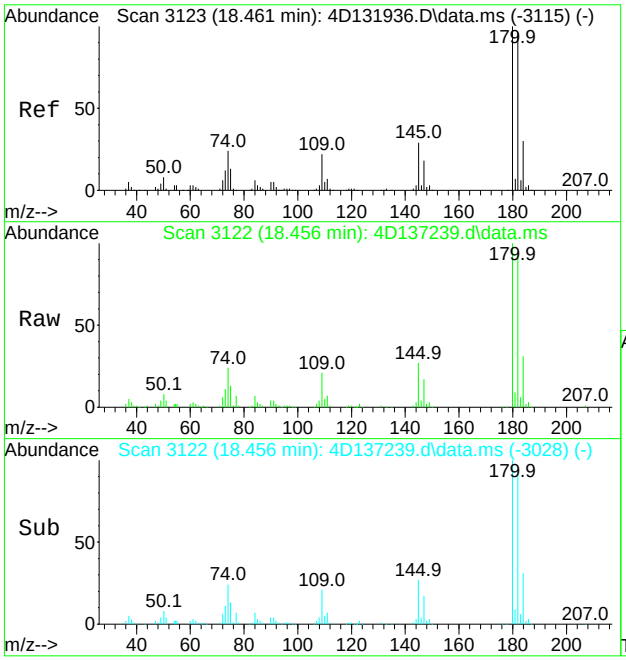


#116
1,2-dibromo-3-chloropropane
Concen: 18.6095 ug/L
RT: 18.277 min Scan# 3088
Delta R.T. -0.006 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:157 Resp: 35418

Ion	Ratio	Lower	Upper
157	100		
155	78.4	48.1	108.1
75	83.7	52.3	112.3

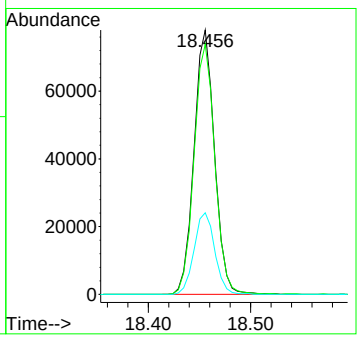


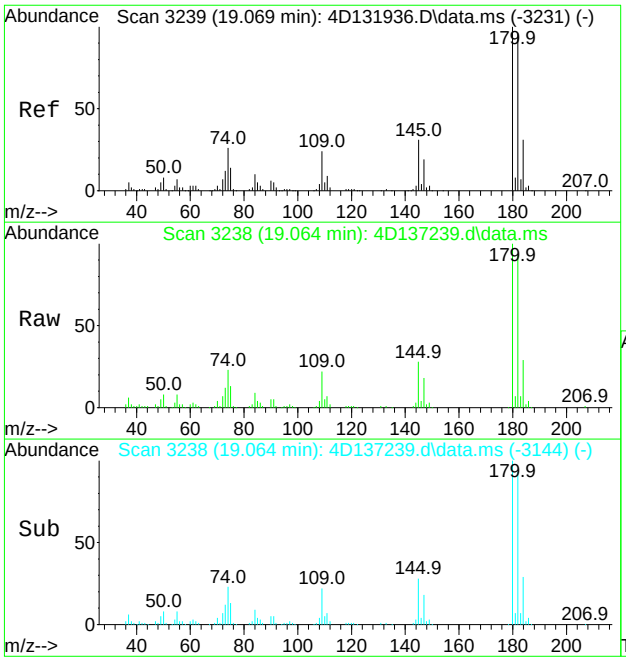


#117
1,3,5-trichlorobenzene
Concen: 20.7141 ug/L
RT: 18.456 min Scan# 3122
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:180 Resp: 109164

Ion	Ratio	Lower	Upper
180	100		
182	94.5	66.1	126.1
184	30.9	0.3	60.3

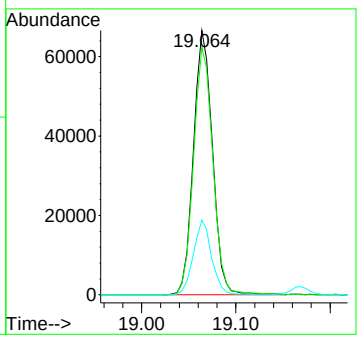


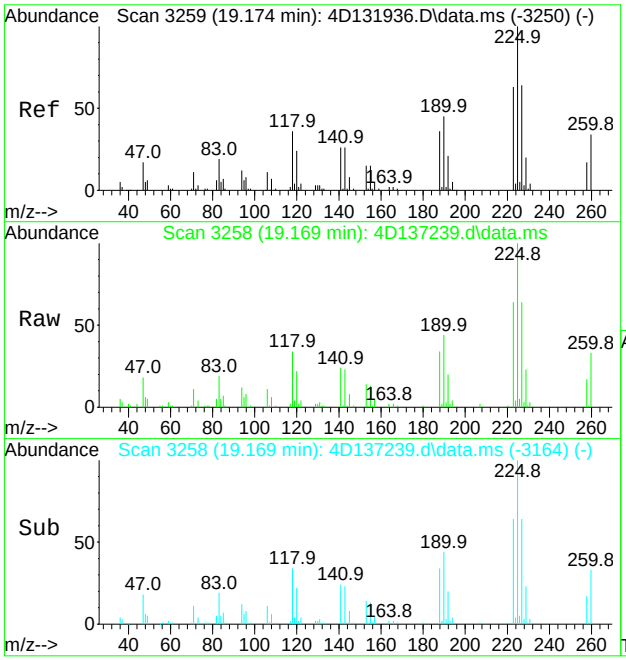


#118
1,2,4-trichlorobenzene
Concen: 20.3170 ug/L
RT: 19.064 min Scan# 3238
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:180 Resp: 93213

Ion	Ratio	Lower	Upper
180	100		
182	93.5	65.6	125.6
145	28.2	0.8	60.8

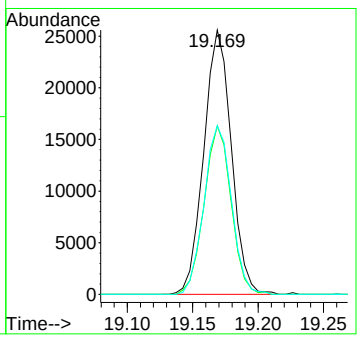


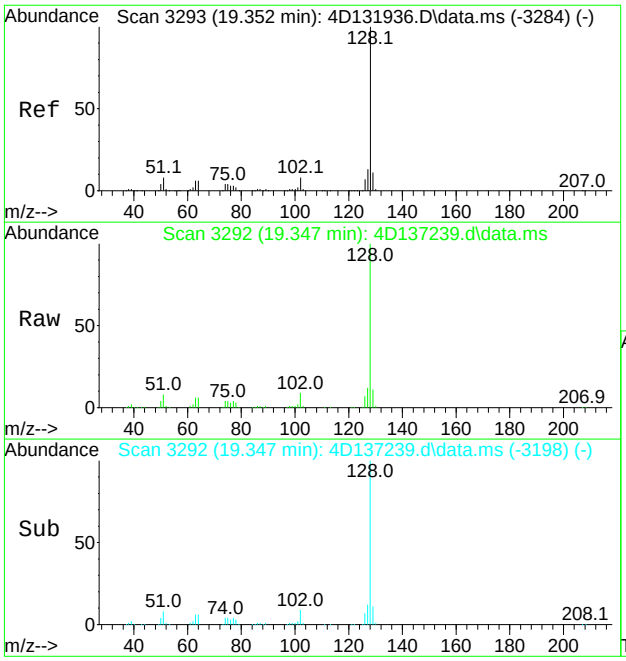


#119
hexachlorobutadiene
Concen: 21.0124 ug/L
RT: 19.169 min Scan# 3258
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:225 Resp: 37631

Ion	Ratio	Lower	Upper
225	100		
223	63.7	33.3	93.3
227	63.9	33.8	93.8

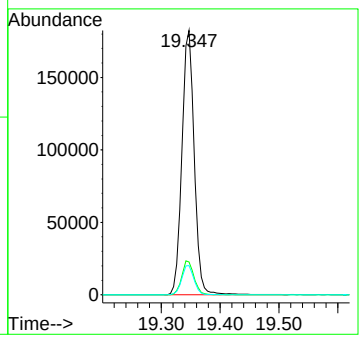


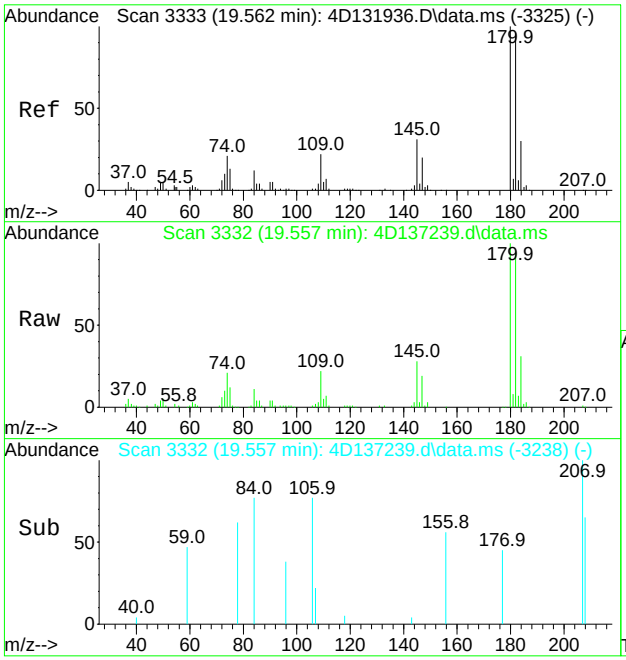


#120
naphthalene
Concen: 17.4412 ug/L
RT: 19.347 min Scan# 3292
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:128 Resp: 265611

Ion	Ratio	Lower	Upper
128	100		
127	12.4	0.0	42.5
129	11.0	0.0	41.0

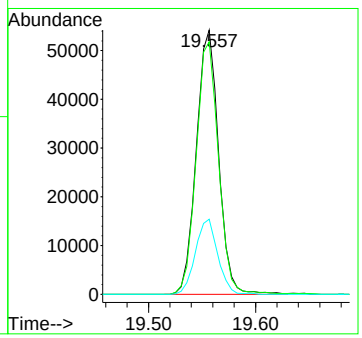


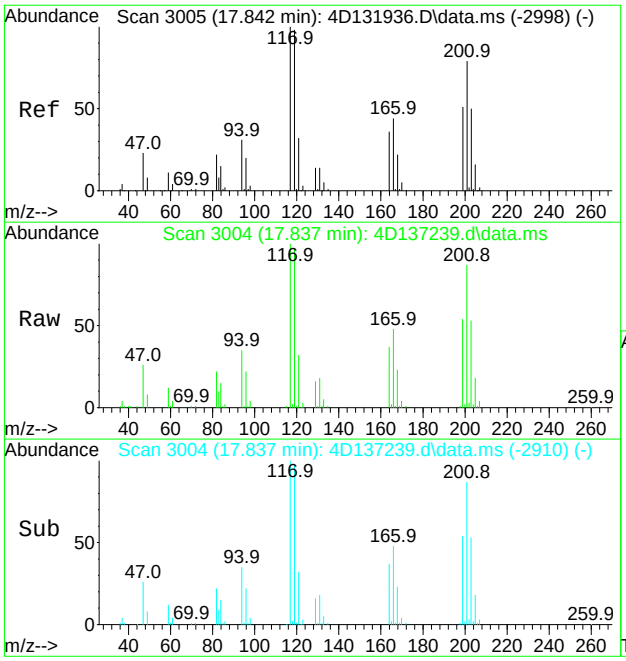


#121
1,2,3-trichlorobenzene
Concen: 19.2004 ug/L
RT: 19.557 min Scan# 3332
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:180 Resp: 78511

Ion	Ratio	Lower	Upper
180	100		
182	95.5	66.3	126.3
145	28.4	1.3	61.3

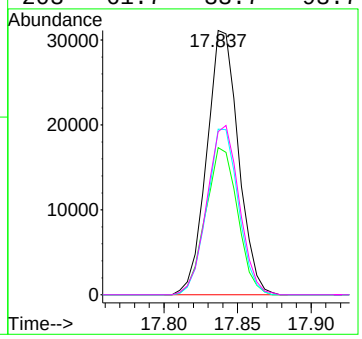


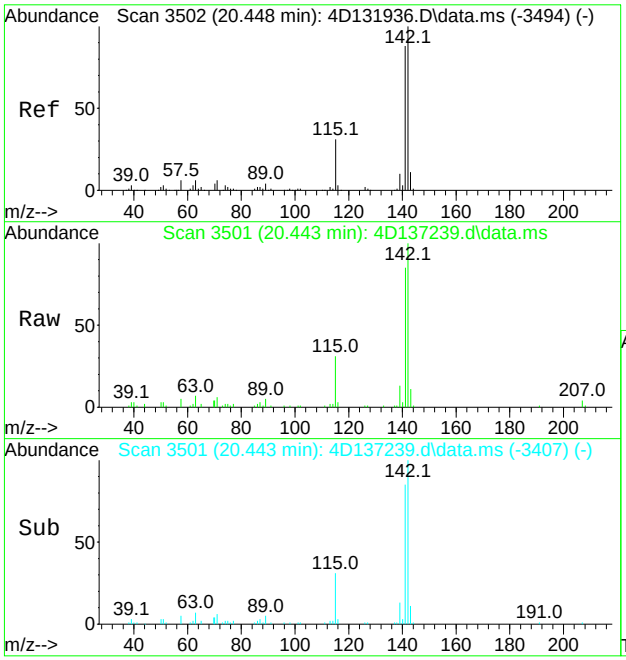


#122
hexachloroethane
Concen: 20.8205 ug/L
RT: 17.837 min Scan# 3004
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:201 Resp: 46453

Ion	Ratio	Lower	Upper
201	100		
166	55.6	26.1	86.1
199	62.7	33.8	93.8
203	61.7	33.7	93.7

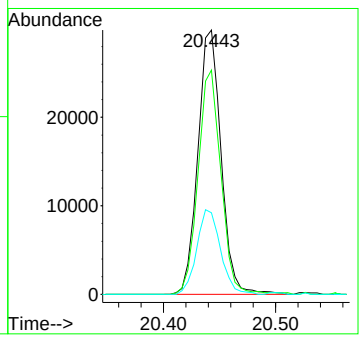




#123
2-methylnaphthalene
Concen: 6.6210 ug/L
RT: 20.443 min Scan# 3501
Delta R.T. -0.005 min
Lab File: 4D137239.d
Acq: 11 Jun 2024 3:14 pm

Tgt Ion:142 Resp: 42892

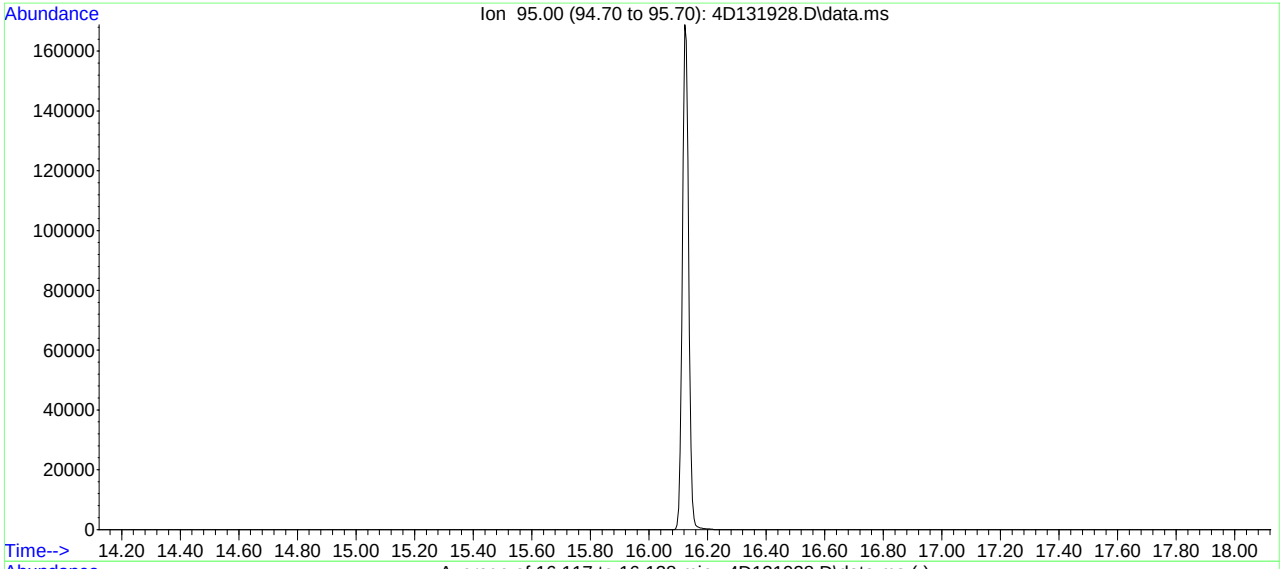
Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.9	107.9
115	30.9	10.8	50.8



SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V4D5842\4D131928.D Vial: 5
Acq On : 6 Oct 2023 3:00 pm Operator: nickw
Sample : bfb Inst : MS4D
Misc : MS73645,V4D5842,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4D5681.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um



AutoFind: Scans 2676, 2677, 2678; Background Corrected with Scan 2668

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	30029	PASS
75	95	30	60	46.1	70213	PASS
95	95	100	100	100.0	152368	PASS
96	95	5	9	6.9	10494	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	80.8	123133	PASS
175	174	5	9	7.9	9754	PASS
176	174	95	101	97.1	119621	PASS
177	176	5	9	6.7	8056	PASS

4D131928.D M4D5681.M Mon Oct 09 13:14:51 2023

Average of 16.117 to 16.128 min.: 4D131928.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1400	49.00	6244	63.00	4811	76.00	6007
37.05	6992	50.00	30029	64.00	493	76.95	941
38.10	6014	51.00	9283	67.05	476	77.95	639
39.05	2386	52.05	428	68.00	14013	78.90	3701
40.00	34	54.95	314	69.00	14022	80.00	1087
41.00	36	56.00	2309	70.05	1134	80.90	3734
43.05	81	57.00	3812	71.00	57	81.90	789
44.00	662	58.00	174	72.05	754	83.00	129
45.05	1305	60.00	1428	73.00	6124	86.05	131
47.00	2248	61.00	6900	74.05	22885	87.00	6884
48.00	928	62.00	6757	75.00	70213	88.00	6597

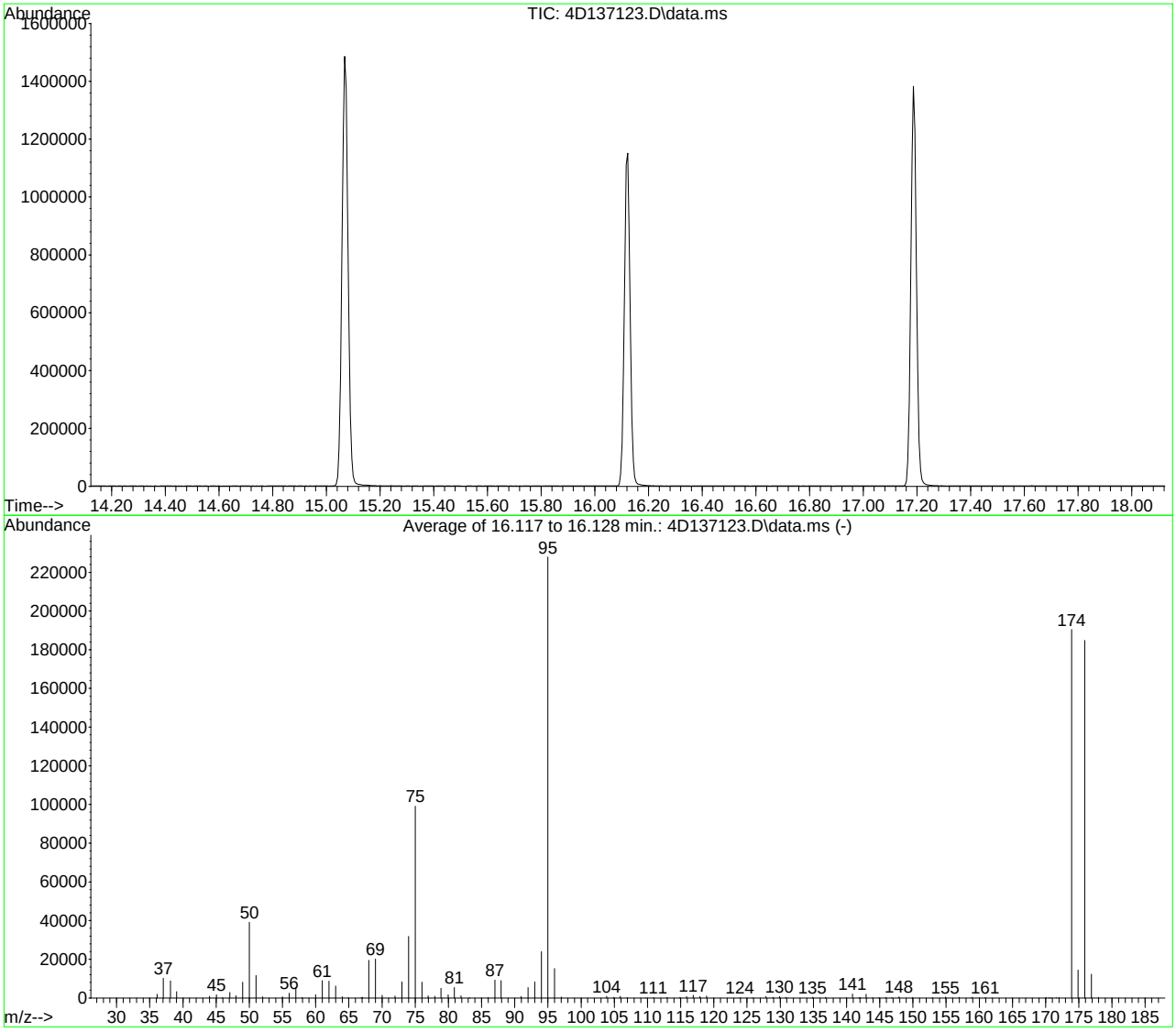
Average of 16.117 to 16.128 min.: 4D131928.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.95	541	112.90	50	136.95	170	174.00	123133
92.00	3794	114.95	222	140.90	1294	175.00	9754
93.00	5762	115.85	468	141.95	182	176.00	119621
94.00	16464	116.90	878	142.90	1316	177.00	8056
95.00	152368	117.85	498	145.90	201	177.95	229
96.00	10494	118.95	651	147.90	297		
97.05	327	127.90	506	149.90	127		
103.90	562	128.90	231	154.95	346		
104.95	218	129.90	478	156.95	242		
105.90	603	130.95	213	160.90	137		
106.90	136	134.85	247	172.00	68		

SW-846 Method 8260

Data File : X:\Dayton VOA GCMS\C...NS\V4D6052\4D137123.D Vial: 1
Acq On : 6 Jun 2024 10:12 am Operator: nickw
Sample : bfb Inst : GCMS4D
Misc : MS81702,V4D6052,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4D5842.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um



AutoFind: Scans 2676, 2677, 2678; Background Corrected with Scan 2667

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	39043	PASS
75	95	30	60	43.5	99104	PASS
95	95	100	100	100.0	227861	PASS
96	95	5	9	6.7	15198	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	83.6	190485	PASS
175	174	5	9	7.6	14411	PASS
176	174	95	101	97.0	184811	PASS
177	176	5	9	6.6	12253	PASS

4D137123.D M4D5842.M Thu Jun 06 20:37:49 2024

Average of 16.117 to 16.128 min.: 4D137123.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1870	51.00	11683	64.90	53	76.95	1178
37.05	10165	52.00	548	66.90	164	77.95	896
38.10	8899	55.00	609	67.05	331	78.90	4956
39.05	3287	56.00	2489	68.00	19424	79.95	1676
44.00	817	57.00	5347	69.00	20064	80.90	5338
45.05	1704	57.95	231	70.00	1376	81.90	1173
45.90	63	60.00	1673	71.95	973	83.20	57
47.05	2883	61.00	8946	73.00	8368	85.95	235
48.00	1097	62.00	8733	74.00	31832	87.00	9261
49.00	8170	63.00	6200	75.00	99104	87.95	8924
50.00	39043	64.00	619	76.00	8149	90.95	761

Average of 16.117 to 16.128 min.: 4D137123.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	5402	110.90	140	129.90	787	145.90	356
93.00	8369	112.90	176	130.85	370	146.80	53
94.00	23928	114.90	251	134.85	369	147.90	552
95.00	227861	115.90	794	136.85	341	149.90	219
96.00	15198	116.90	1357	139.95	153	152.90	51
97.05	506	117.90	677	140.90	2045	154.90	487
103.85	859	118.90	1056	141.90	202	156.95	369
104.95	297	123.95	131	142.10	51	158.85	303
105.90	849	125.85	119	142.95	1962	160.90	253
106.95	247	127.85	771	143.90	95	170.10	150
109.70	56	128.90	331	144.90	129	170.50	52

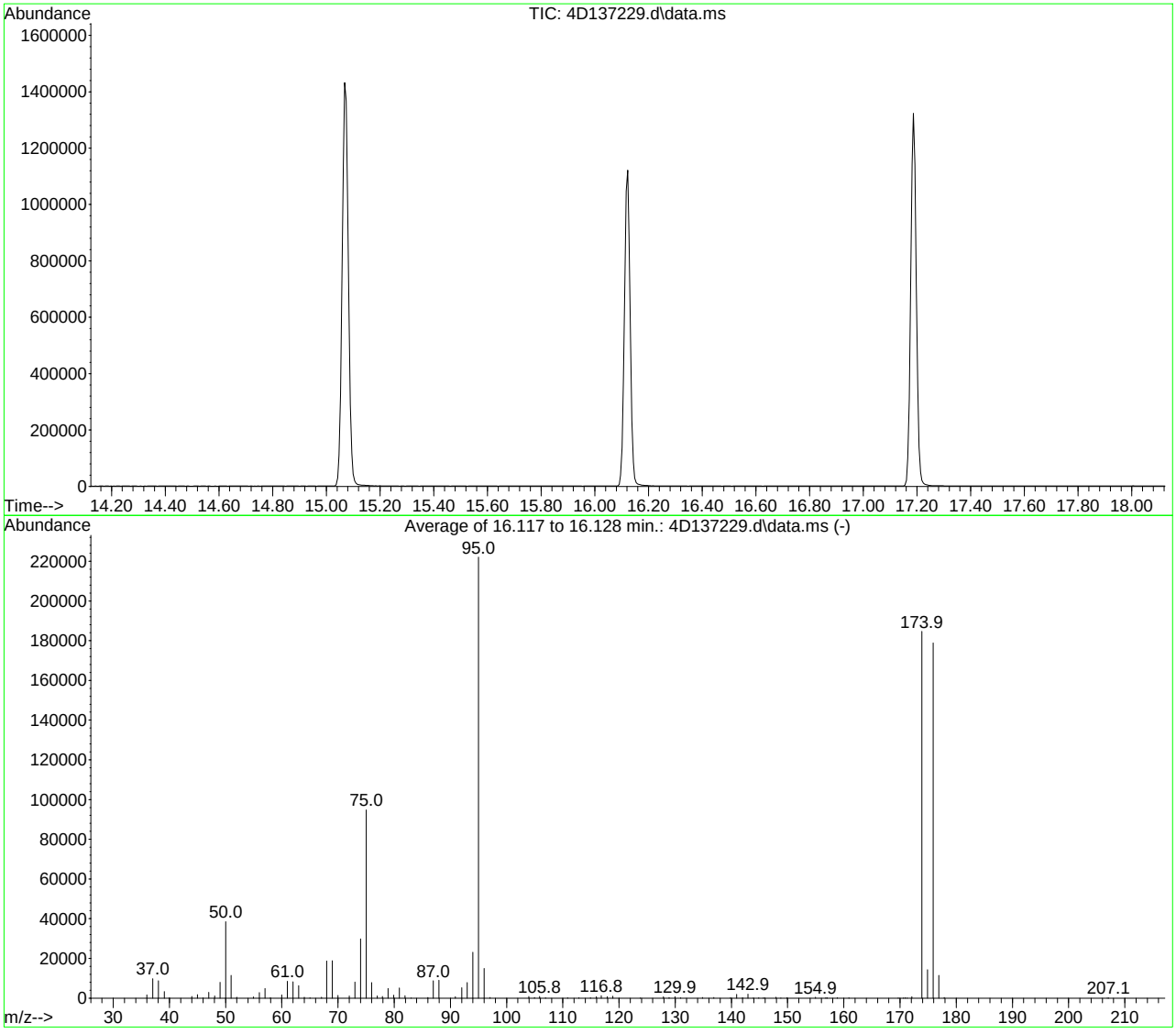
Average of 16.117 to 16.128 min.: 4D137123.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.80	84						
171.60	132						
172.00	194						
173.90	190485						
174.90	14411						
175.90	184811						
176.90	12253						
177.95	380						

SW-846 Method 8260

Data File : X:\Dayton VOA GCMS\r...24\V4D6056\4D137229.d Vial: 2
Acq On : 11 Jun 2024 9:44 am Operator: nickw
Sample : bfb Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4D5842.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um



AutoFind: Scans 2676, 2677, 2678; Background Corrected with Scan 2667

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	38461	PASS
75	95	30	60	42.7	94805	PASS
95	95	100	100	100.0	222037	PASS
96	95	5	9	6.7	14955	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	83.2	184725	PASS
175	174	5	9	7.8	14346	PASS
176	174	95	101	96.8	178816	PASS
177	176	5	9	6.4	11393	PASS

4D137229.d M4D5842.M Tue Jun 11 18:17:52 2024

Average of 16.117 to 16.128 min.: 4D137229.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1669	50.00	38461	64.00	505	77.00	1127
37.05	9804	51.00	11453	65.00	142	77.90	877
38.05	8710	52.00	466	67.05	509	78.90	4861
39.10	3310	54.95	547	68.00	18675	79.90	1533
40.00	29	56.00	2755	69.00	18875	80.90	5129
44.00	823	57.00	4858	70.00	1413	81.90	1226
45.00	1774	57.95	238	72.00	1050	83.00	68
46.00	54	60.00	1624	73.00	8098	86.00	269
47.00	2891	61.00	8476	74.00	29816	86.95	8749
48.05	1140	62.00	8173	75.00	94805	87.95	8944
49.00	7908	63.00	6275	76.00	7781	90.90	702

Average of 16.117 to 16.128 min.: 4D137229.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	5205	112.85	149	134.85	319	148.80	52
93.00	7782	114.90	221	136.85	392	149.90	244
94.00	23107	115.95	686	139.85	195	154.95	482
95.00	222037	116.85	1245	140.95	1913	156.80	141
96.00	14955	117.90	716	142.00	203	157.00	215
97.05	385	118.90	1000	142.95	2053	158.85	261
103.95	786	123.80	58	143.90	52	160.90	239
104.95	265	127.90	752	144.85	195	169.70	62
105.85	826	128.90	322	145.70	92	170.60	54
106.90	216	129.95	767	145.90	201	170.90	151
110.85	191	130.95	237	147.90	468	171.30	82

Average of 16.117 to 16.128 min.: 4D137229.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.10	670						
173.90	184725						
174.90	14346						
175.90	178816						
176.90	11393						
177.85	344						
206.90	52						
207.10	57						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131929.D
Acq On : 6 Oct 2023 3:37 pm
Operator : nickw
Sample : ic5842-0.2
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:12:07 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:05:54 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.814	65	434817	500.00	ug/L	-0.02
5) pentafluorobenzene	11.294	168	421306	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	690090	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	552163	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	241092	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.294	168	421306	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	241092	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.335	113	223162	49.98	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.96%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	256935	50.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.90%			
74) toluene-d8 (s)	13.705	98	735004	50.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.06%			
97) 4-bromofluorobenzene (s)	16.122	95	254112	50.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.30%			
Target Compounds						Qvalue
7) dichlorodifluoromethane	4.734	85	1280	0.20	ug/L	84
9) vinyl chloride	5.489	62	1053	0.17	ug/L	76
13) trichlorofluoromethane	7.083	101	1167	0.17	ug/L	79
14) ethyl ether	7.587	74	418	0.19	ug/L	90
17) 1,1-dichloroethene	8.074	96	702	0.21	ug/L	93
24) methyl tert butyl ether	9.280	73	2874	0.24	ug/L	73
25) trans-1,2-dichloroethene	9.327	96	778	0.21	ug/L	84
26) di-isopropyl ether	9.951	45	3551	0.24	ug/L	92
28) 1,1-dichloroethane	9.972	63	1683	0.22	ug/L	90
29) chloroprene	10.077	53	1492	0.22	ug/L	81
33) ethyl tert-butyl ether	10.444	59	3327	0.23	ug/L	98
36) cis-1,2-dichloroethene	10.738	96	1087	0.25	ug/L #	79
47) 1,1-dichloropropene	11.577	75	1079	0.22	ug/L	96
49) carbon tetrachloride	11.598	117	1027	0.20	ug/L #	89
55) benzene	11.813	78	3432	0.24	ug/L	86
60) trichloroethene	12.494	130	879	0.23	ug/L	87
63) 2-chloroethyl vinyl ether	13.218	63	2555	1.08	ug/L	96
67) methylcyclohexane	12.772	83	1341	0.24	ug/L	97
70) cis-1,3-dichloropropene	13.422	75	1393	0.22	ug/L	82
75) toluene	13.768	92	2100	0.24	ug/L	96
76) trans-1,3-dichloropropene	13.936	75	1324	0.24	ug/L	81
79) tetrachloroethene	14.272	164	636	0.22	ug/L	91
84) 1,2-dibromoethane	14.670	107	918	0.24	ug/L	95
86) chlorobenzene	15.100	112	2373	0.25	ug/L	95
87) 1,1,1,2-tetrachloroethane	15.158	131	773	0.23	ug/L	81
88) ethylbenzene	15.152	91	3944	0.26	ug/L	98
89) m,p-xylene	15.262	106	2963	0.50	ug/L	88
90) o-xylene	15.624	106	1329	0.22	ug/L	87
91) styrene	15.635	104	2437	0.25	ug/L	90
94) isopropylbenzene	15.934	105	3361	0.25	ug/L	96
101) 1,2,3-trichloropropane	16.274	110	273	0.21	ug/L	68
102) n-propylbenzene	16.311	91	3956	0.25	ug/L	95
103) 2-chlorotoluene	16.442	126	811	0.24	ug/L	87
104) 4-chlorotoluene	16.547	91	2869	0.28	ug/L	97
105) 1,3,5-trimethylbenzene	16.453	105	2688	0.24	ug/L	94
106) tert-butylbenzene	16.762	134	401	0.19	ug/L #	74
108) sec-butylbenzene	16.961	105	3093	0.23	ug/L	95
109) 1,3-dichlorobenzene	17.129	146	1554	0.24	ug/L	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131929.D
Acq On : 6 Oct 2023 3:37 pm
Operator : nickw
Sample : ic5842-0.2
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:12:07 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:05:54 2023
Response via : Initial Calibration

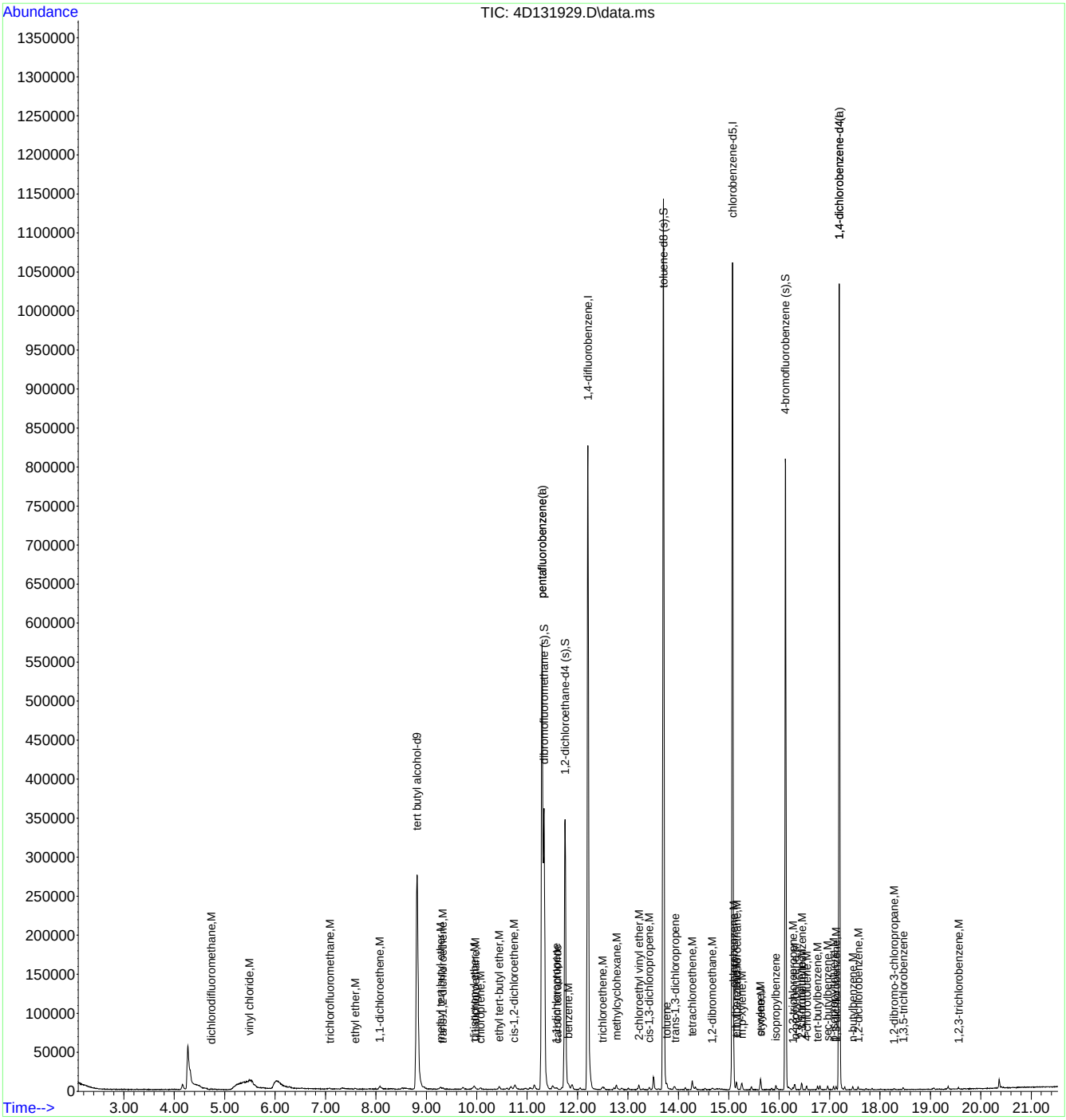
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) p-isopropyltoluene	17.082	119	2561	0.24	ug/L	97
114) 1,2-dichlorobenzene	17.569	146	1448	0.24	ug/L	93
115) n-butylbenzene	17.459	92	1164	0.25	ug/L	95
116) 1,2-dibromo-3-chloropr...	18.277	157	298	0.19	ug/L #	53
117) 1,3,5-trichlorobenzene	18.461	180	837	0.22	ug/L	96
121) 1,2,3-trichlorobenzene	19.562	180	661	0.23	ug/L	94

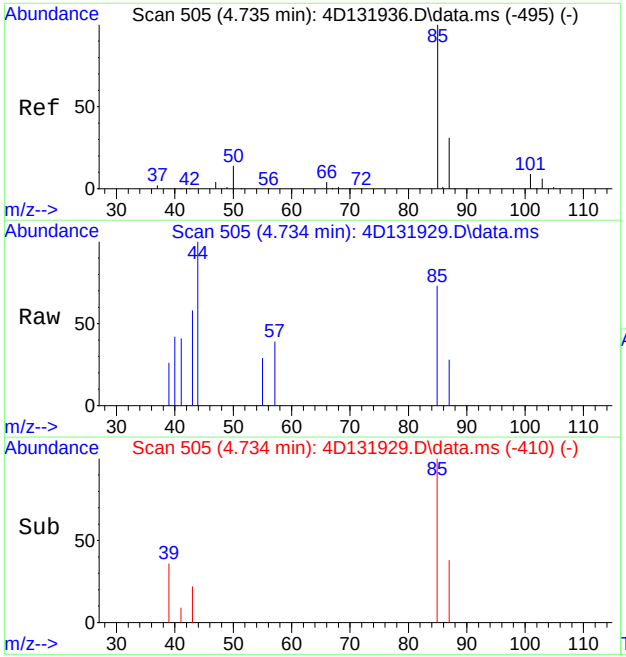
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131929.D
Acq On : 6 Oct 2023 3:37 pm
Operator : nickw
Sample : ic5842-0.2
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 15:12:07 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:05:54 2023
Response via : Initial Calibration

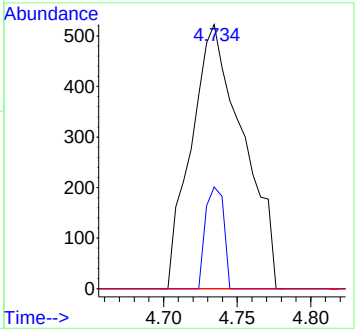


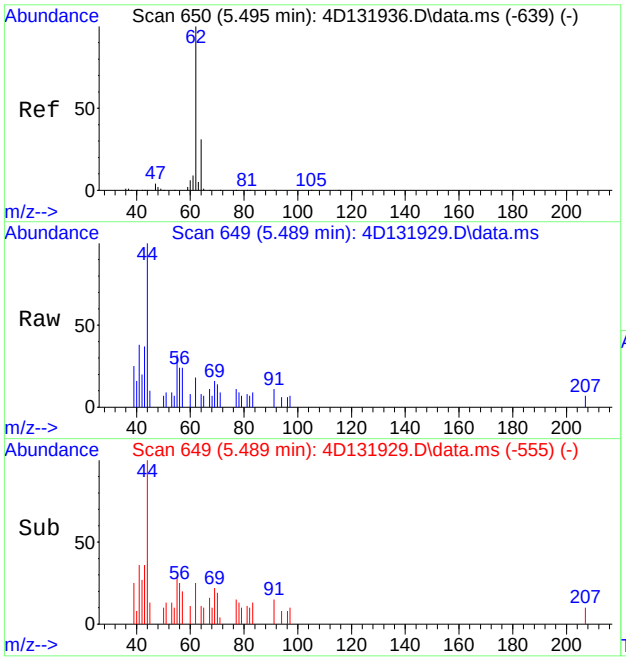


#7
dichlorodifluoromethane
Concen: 0.20 ug/L
RT: 4.734 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 85 Resp: 1280

Ion	Ratio	Lower	Upper
85	100		
87	38.4	1.4	61.4
101	0.0	0.0	39.3

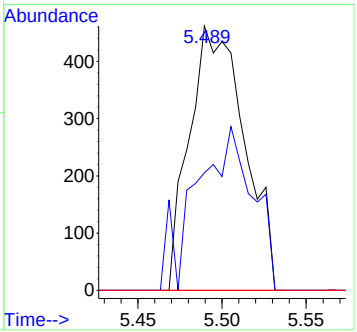


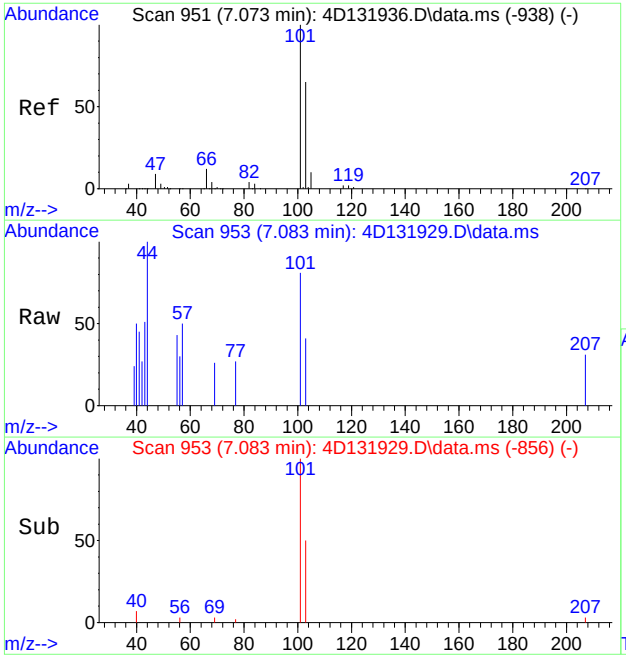


#9
vinyl chloride
Concen: 0.17 ug/L
RT: 5.489 min Scan# 649
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 62 Resp: 1053

Ion	Ratio	Lower	Upper
62	100		
64	44.4	1.2	61.2
61	0.0	0.0	38.7

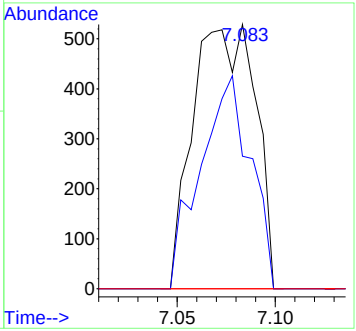


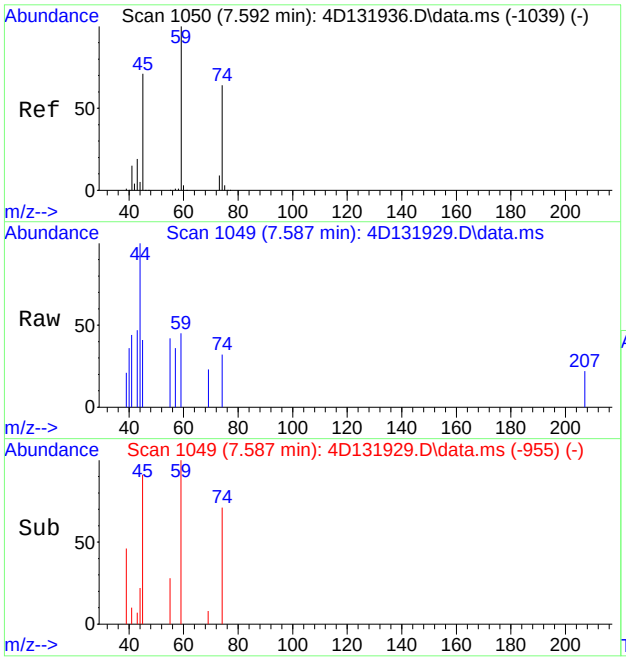


#13
trichlorofluoromethane
Concen: 0.17 ug/L
RT: 7.083 min Scan# 953
Delta R.T. 0.010 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:101 Resp: 1167

Ion	Ratio	Lower	Upper
101	100		
103	50.1	35.1	95.1
66	0.0	0.0	42.2

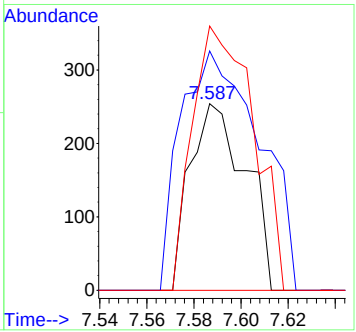


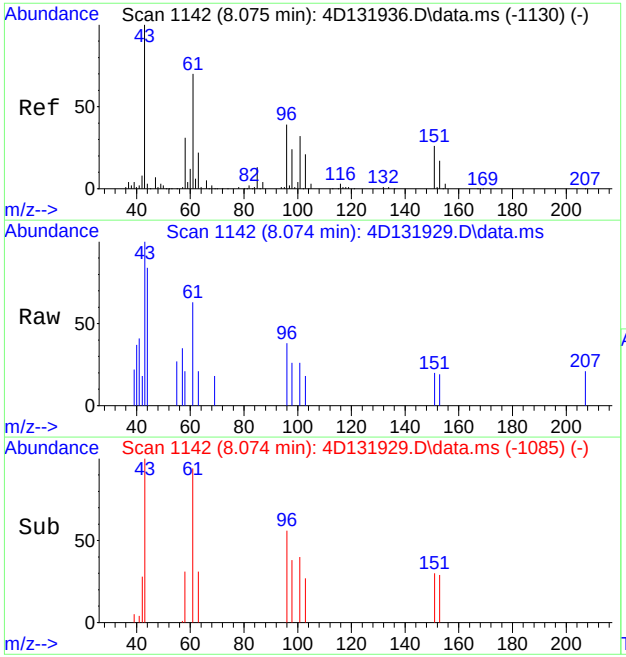


#14
ethyl ether
Concen: 0.19 ug/L
RT: 7.587 min Scan# 1049
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 74 Resp: 418

Ion	Ratio	Lower	Upper
74	100		
45	128.3	89.0	149.0
59	141.7	125.8	185.8

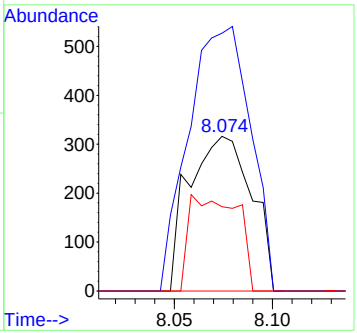


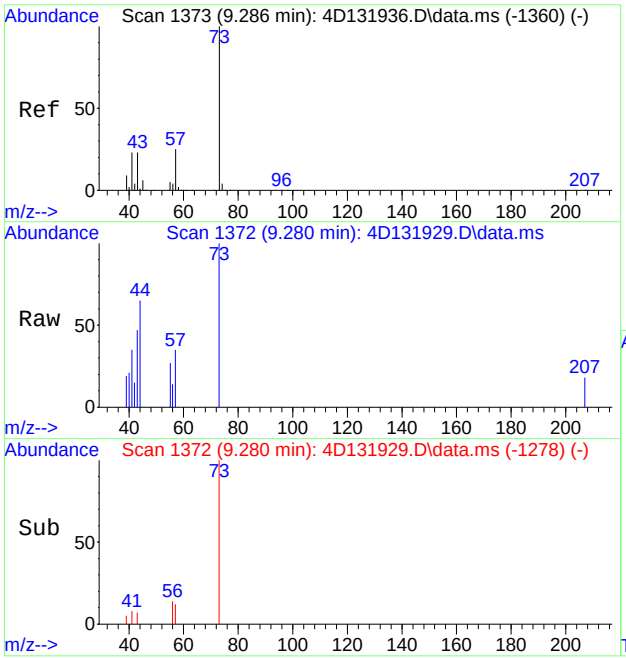


#17
1,1-dichloroethene
Concen: 0.21 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 96 Resp: 702

Ion	Ratio	Lower	Upper
96	100		
61	166.8	149.0	209.0
63	54.4	26.1	86.1

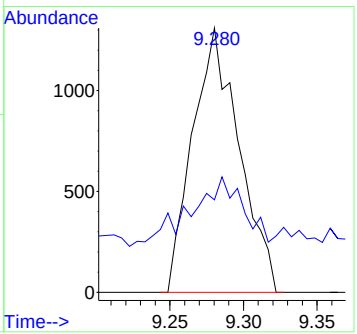


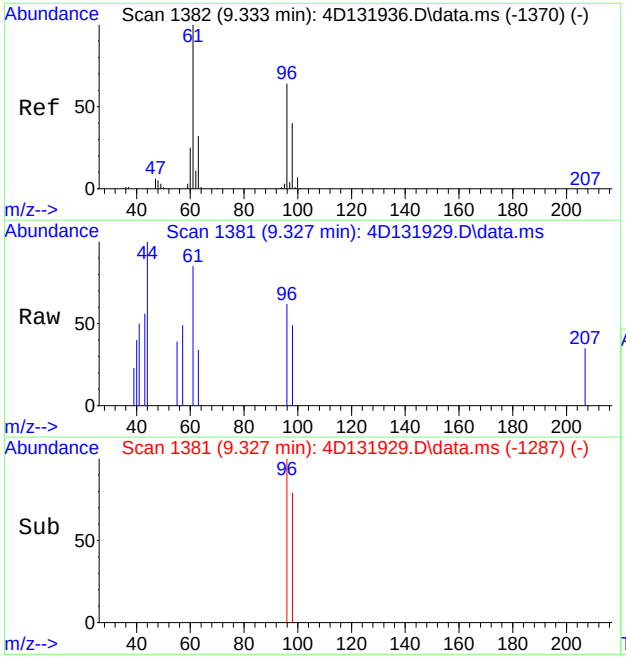


#24
methyl tert butyl ether
Concen: 0.24 ug/L
RT: 9.280 min Scan# 1372
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 73 Resp: 2874

Ion	Ratio	Lower	Upper
73	100		
57	11.3	0.0	224.6

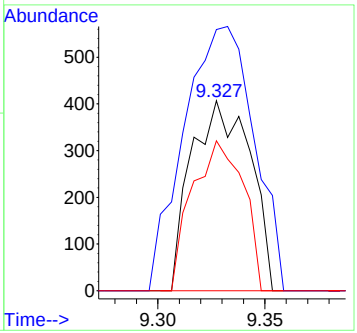


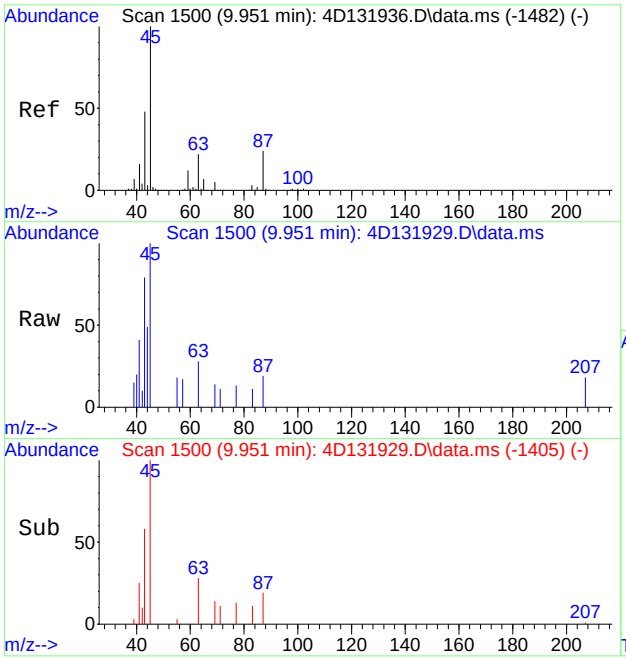


#25
trans-1,2-dichloroethene
Concen: 0.21 ug/L
RT: 9.327 min Scan# 1381
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 96 Resp: 778

Ion	Ratio	Lower	Upper
96	100		
61	137.3	126.5	186.5
98	78.9	33.3	93.3

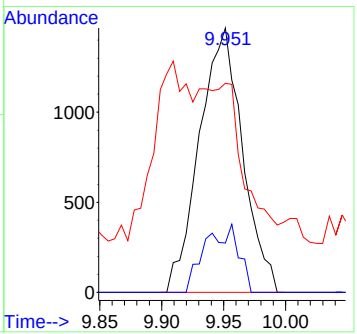


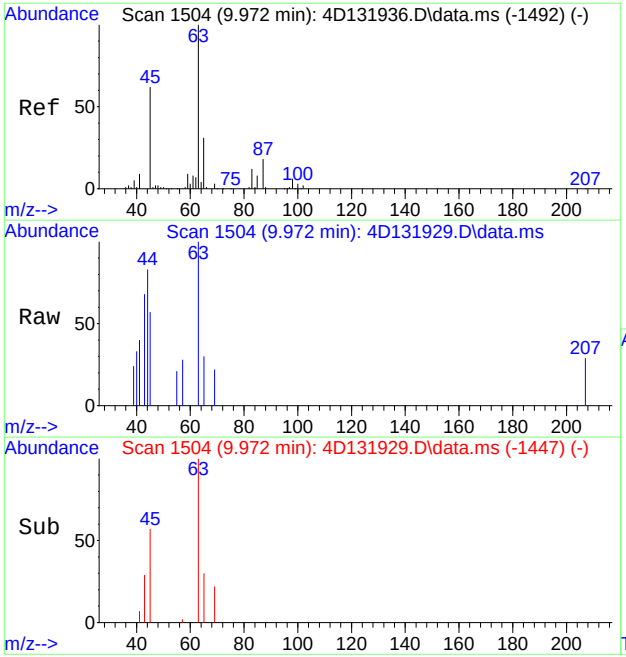


#26
di-isopropyl ether
Concen: 0.24 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 45 Resp: 3551

Ion	Ratio	Lower	Upper
45	100		
87	18.7	0.0	54.4
43	52.6	18.8	78.8

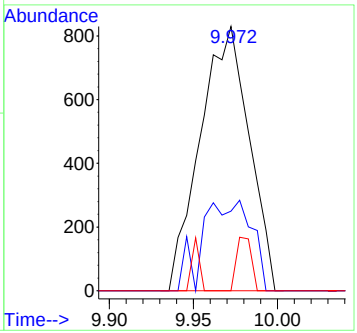


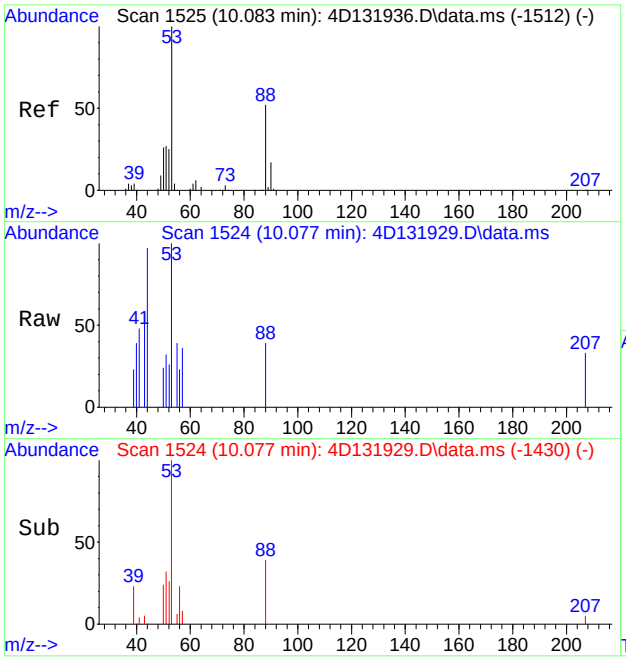


#28
1,1-dichloroethane
Concen: 0.22 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 63 Resp: 1683

Ion	Ratio	Lower	Upper
63	100		
65	30.1	0.9	60.9
83	0.0	0.0	42.3

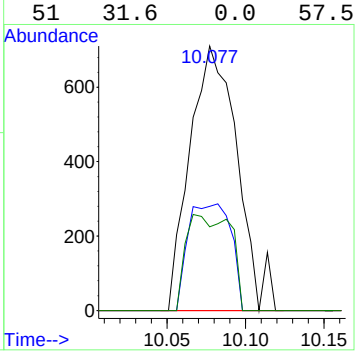


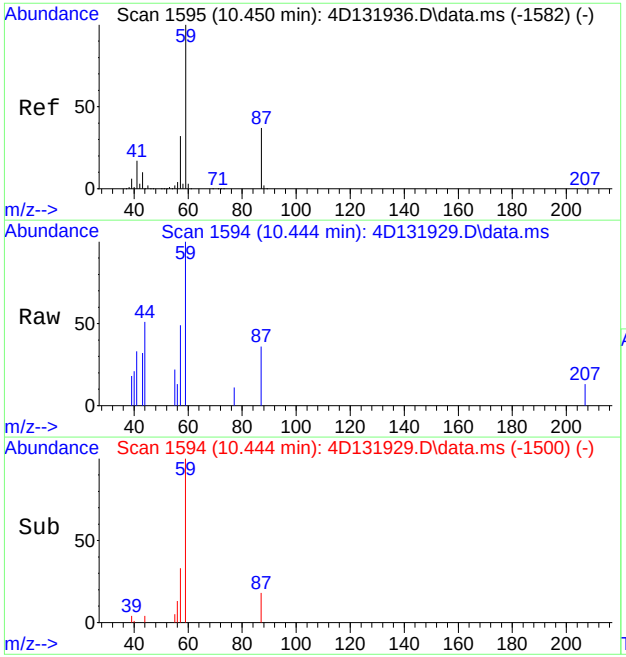


#29
chloroprene
Concen: 0.22 ug/L
RT: 10.077 min Scan# 1524
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 53 Resp: 1492

Ion	Ratio	Lower	Upper
53	100		
88	39.4	21.8	81.8
90	0.0	0.0	47.2
51	31.6	0.0	57.5

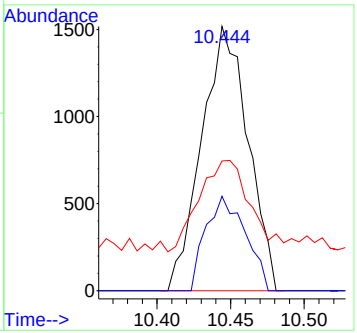


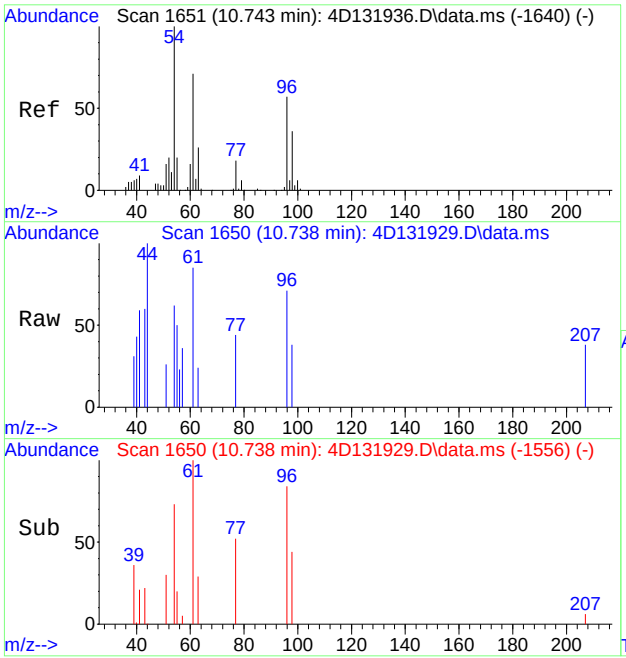


#33
ethyl tert-butyl ether
Concen: 0.23 ug/L
RT: 10.444 min Scan# 1594
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 59 Resp: 3327

Ion	Ratio	Lower	Upper
59	100		
87	35.7	6.6	66.6
57	31.0	2.2	62.2

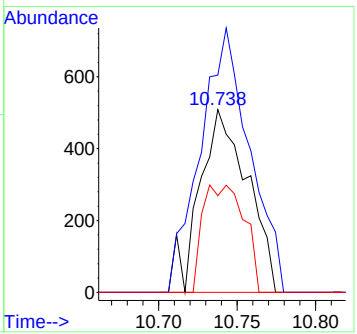


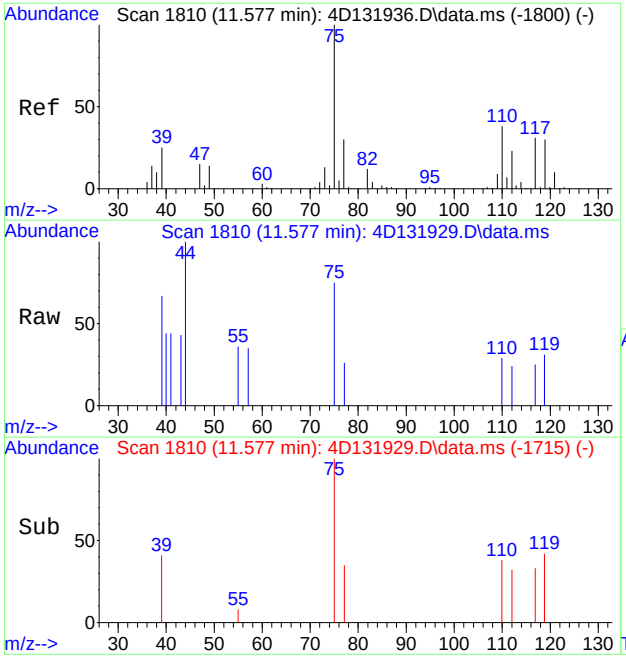


#36
cis-1,2-dichloroethene
Concen: 0.25 ug/L
RT: 10.738 min Scan# 1650
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 96 Resp: 1087

Ion	Ratio	Lower	Upper
96	100		
61	118.9	119.6	179.6#
98	52.8	34.3	94.3

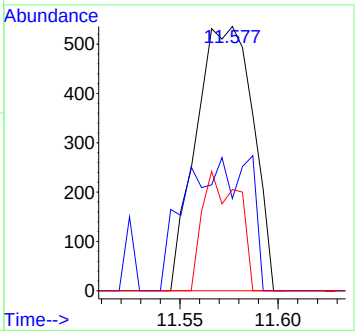


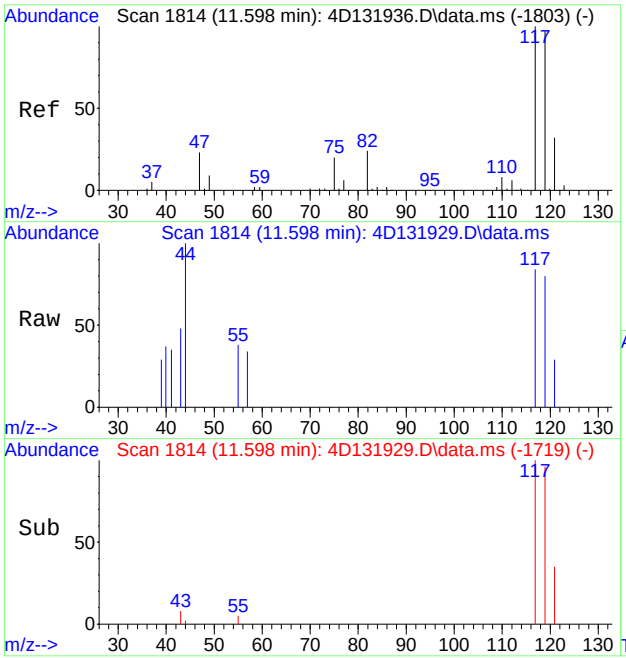


#47
1,1-dichloropropene
Concen: 0.22 ug/L
RT: 11.577 min Scan# 1810
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 75 Resp: 1079

Ion	Ratio	Lower	Upper
75	100		
77	34.9	11.0	51.0
110	38.2	17.6	57.6

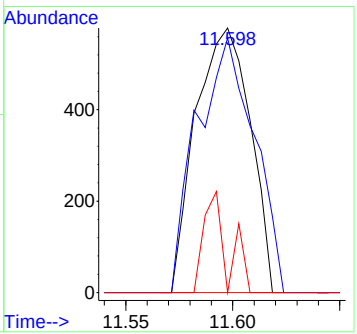


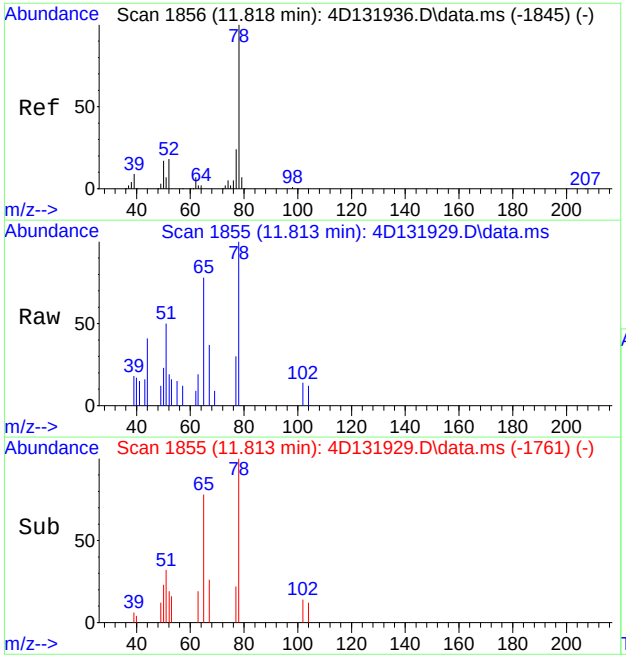


#49
carbon tetrachloride
Concen: 0.20 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:117 Resp: 1027

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.2	117.2
82	0.0	4.2	44.2#

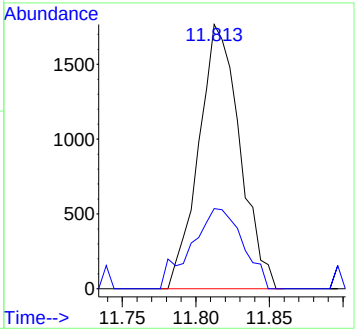


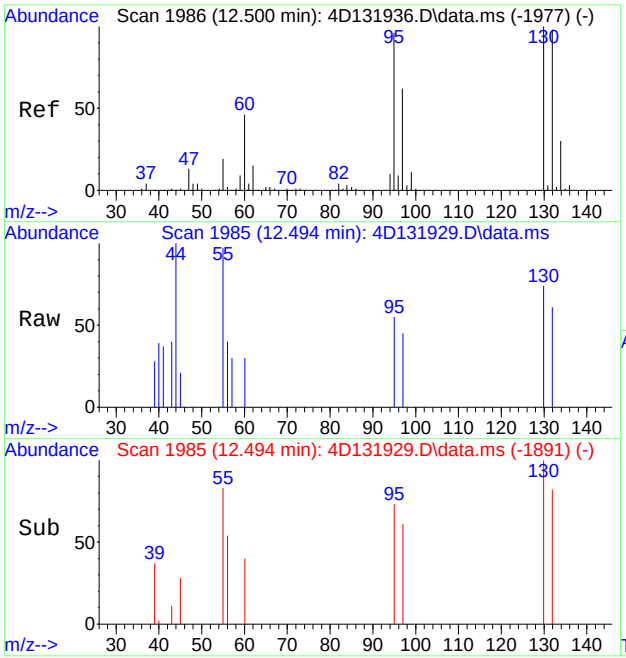


#55
benzene
Concen: 0.24 ug/L
RT: 11.813 min Scan# 1855
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 78 Resp: 3432

Ion	Ratio	Lower	Upper
78	100		
77	30.3	0.0	53.7

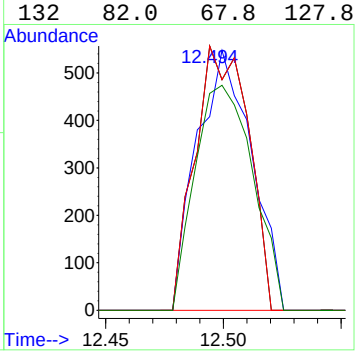


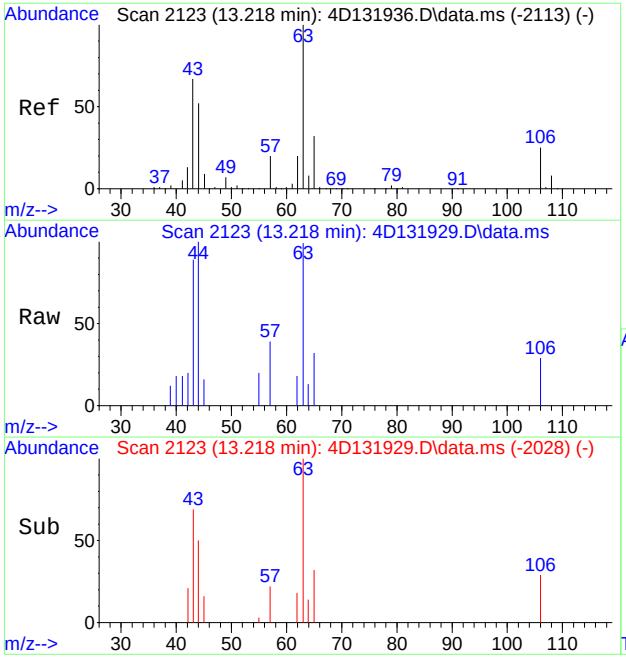


#60
trichloroethene
Concen: 0.23 ug/L
RT: 12.494 min Scan# 1985
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:130 Resp: 879

Ion	Ratio	Lower	Upper
130	100		
95	73.2	65.8	125.8
130	100.0	70.0	130.0
132	82.0	67.8	127.8

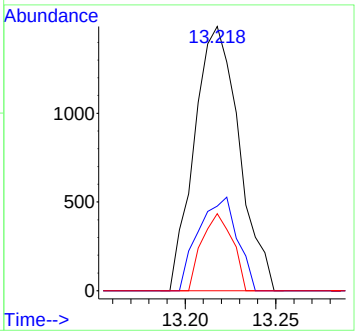


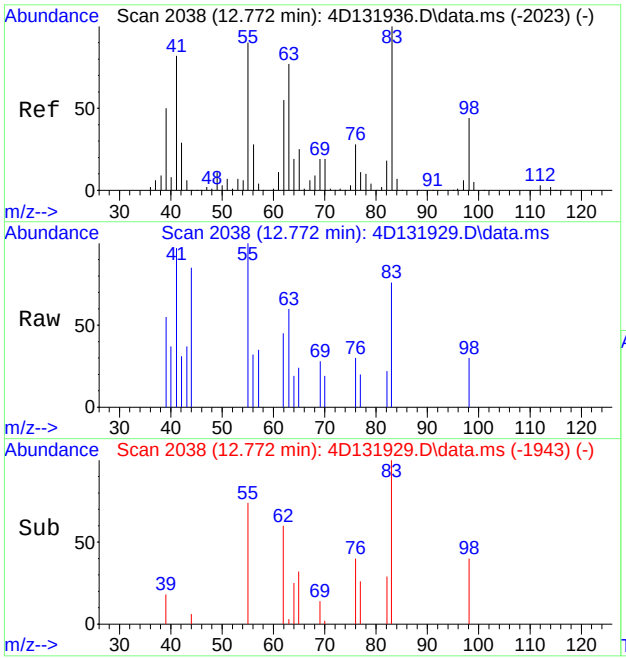


#63
2-chloroethyl vinyl ether
Concen: 1.08 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 63 Resp: 2555

Ion	Ratio	Lower	Upper
63	100		
65	32.0	1.7	61.7
106	29.1	0.0	55.3

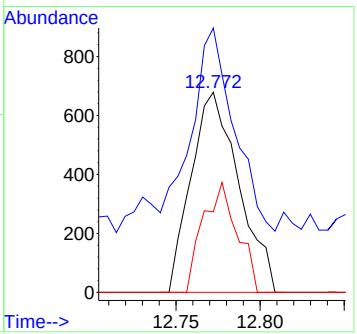


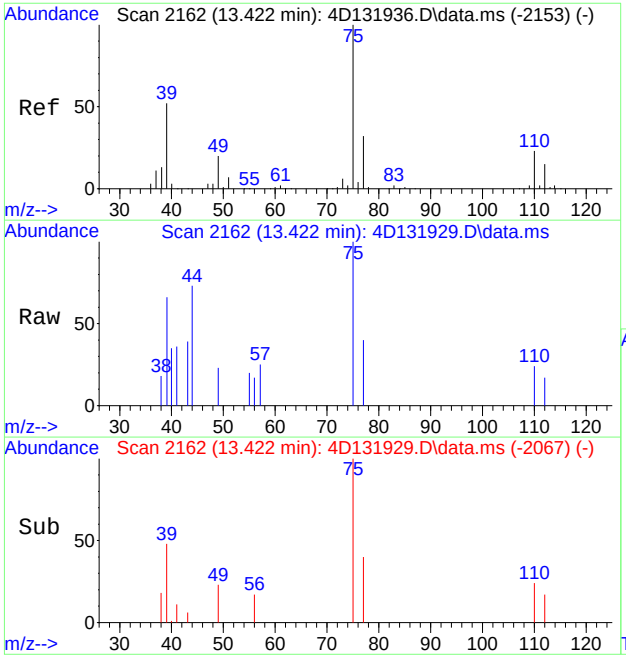


#67
methylcyclohexane
Concen: 0.24 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 83 Resp: 1341

Ion	Ratio	Lower	Upper
83	100		
55	92.3	60.5	120.5
98	40.2	14.1	74.1

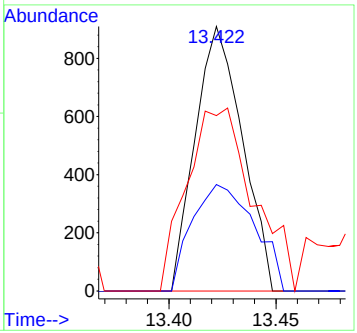


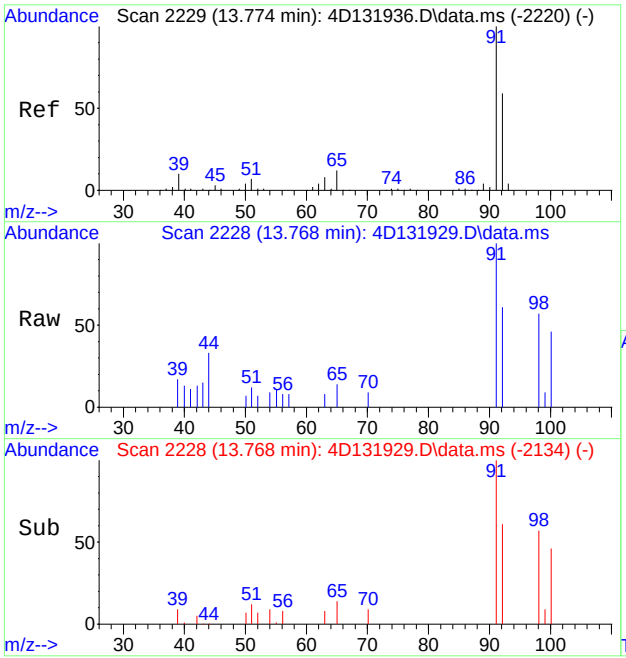


#70
cis-1,3-dichloropropene
Concen: 0.22 ug/L
RT: 13.422 min Scan# 2162
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 75 Resp: 1393

Ion	Ratio	Lower	Upper
75	100		
77	40.2	1.9	61.9
39	66.3	22.1	82.1

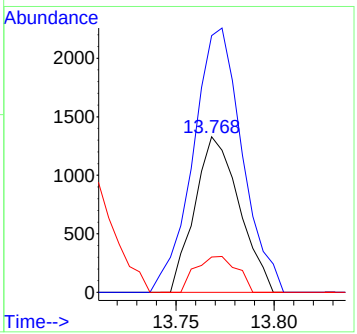


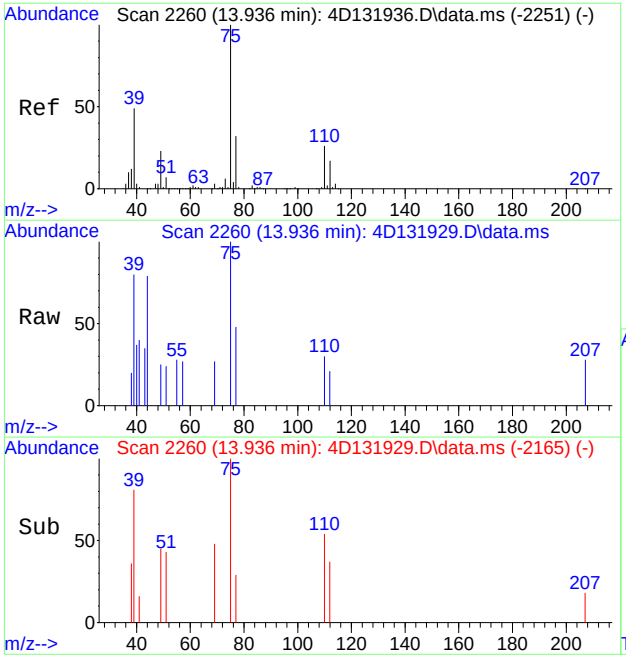


#75
toluene
Concen: 0.24 ug/L
RT: 13.768 min Scan# 2228
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 92 Resp: 2100

Ion	Ratio	Lower	Upper
92	100		
91	165.1	150.1	190.1
65	22.7	0.0	39.8

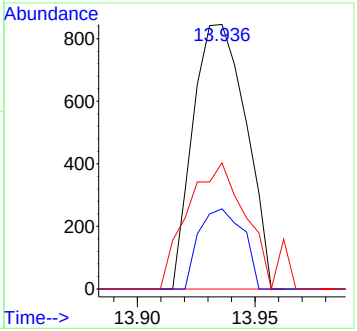


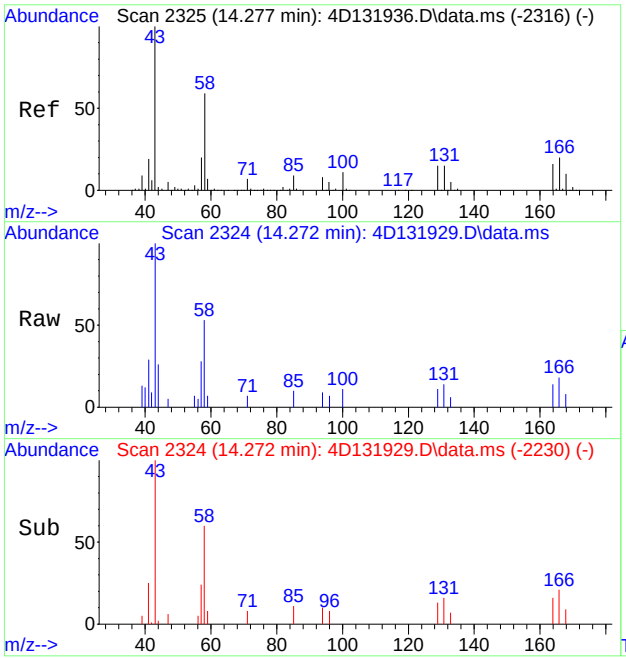


#76
trans-1,3-dichloropropene
Concen: 0.24 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 75 Resp: 1324

Ion	Ratio	Lower	Upper
75	100		
110	30.3	5.6	45.6
77	47.6	12.5	52.5

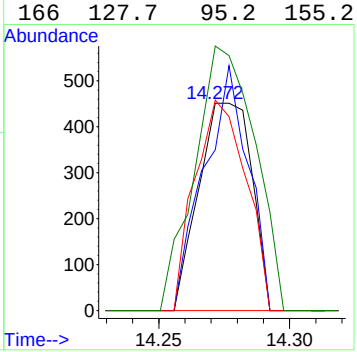


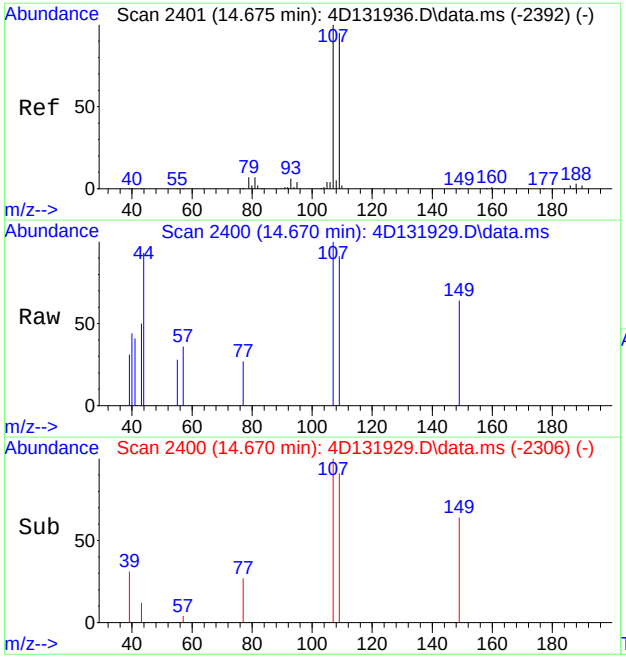


#79
tetrachloroethene
Concen: 0.22 ug/L
RT: 14.272 min Scan# 2324
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:164 Resp: 636

Ion	Ratio	Lower	Upper
164	100		
129	77.6	63.3	123.3
131	101.6	59.8	119.8
166	127.7	95.2	155.2

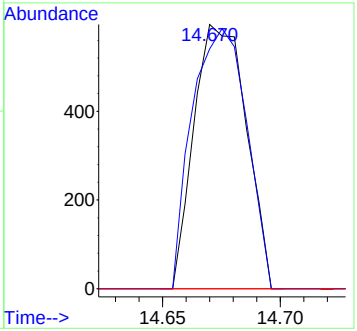


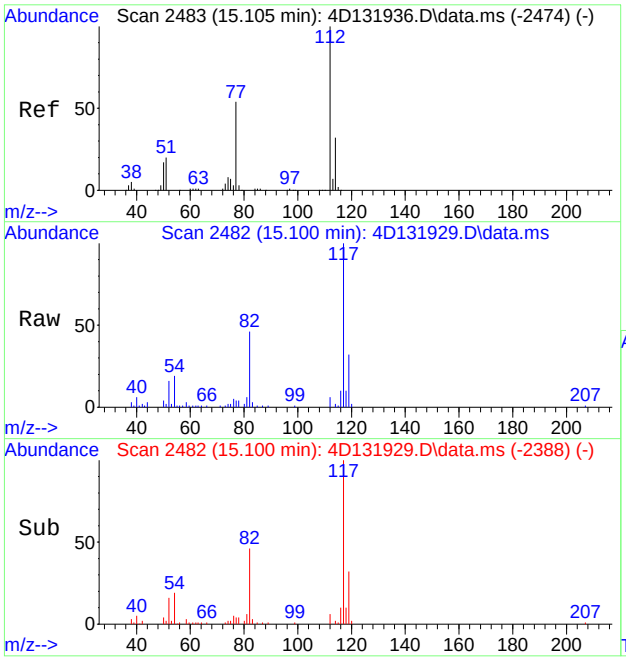


#84
1,2-dibromoethane
Concen: 0.24 ug/L
RT: 14.670 min Scan# 2400
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:107 Resp: 918

Ion	Ratio	Lower	Upper
107	100		
109	90.8	65.1	125.1
188	0.0	0.0	33.2

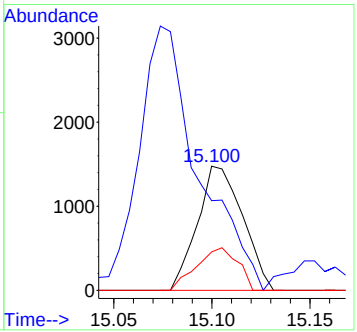


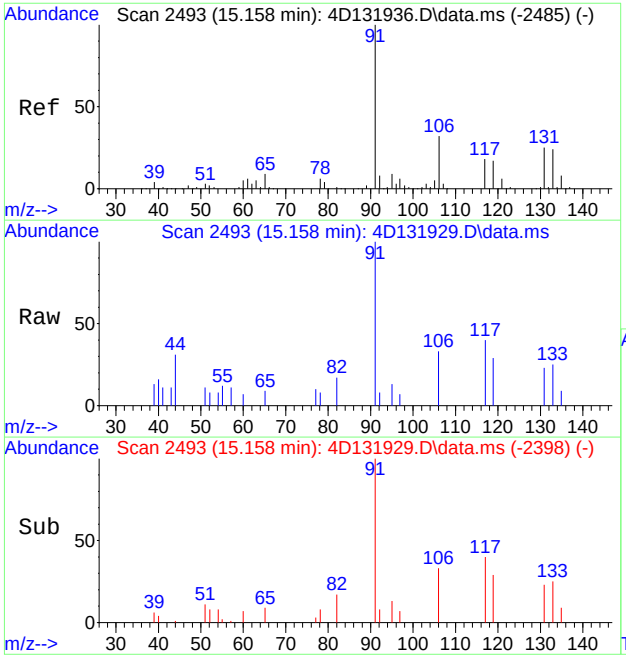


#86
chlorobenzene
Concen: 0.25 ug/L
RT: 15.100 min Scan# 2482
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:112 Resp: 2373

Ion	Ratio	Lower	Upper
112	100		
77	59.0	23.8	83.8
114	31.0	2.2	62.2

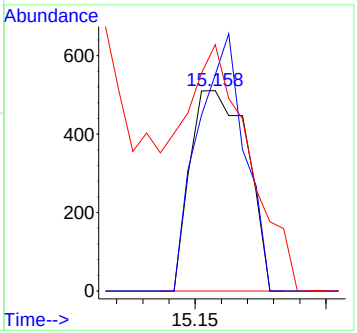


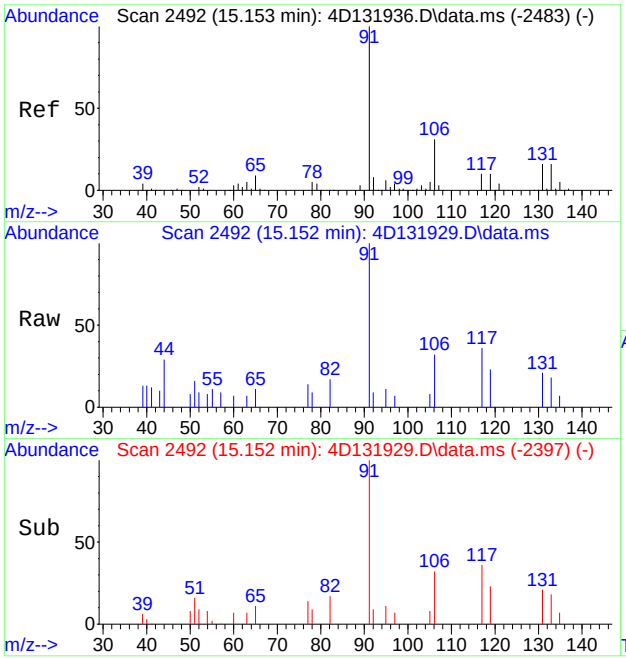


#87
1,1,1,2-tetrachloroethane
Concen: 0.23 ug/L
RT: 15.158 min Scan# 2493
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:131 Resp: 773

Ion	Ratio	Lower	Upper
131	100		
133	108.0	66.4	126.4
119	91.8	37.8	97.8

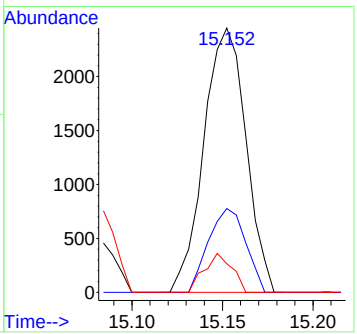


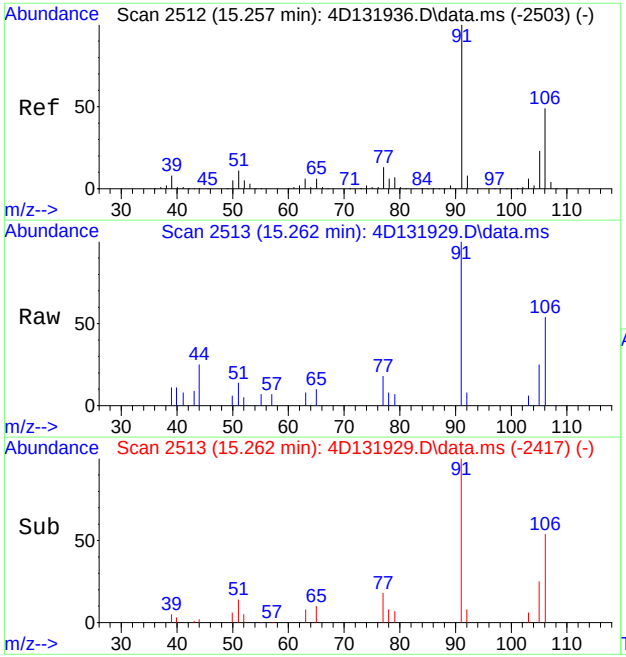


#88
ethylbenzene
Concen: 0.26 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 91 Resp: 3944

Ion	Ratio	Lower	Upper
91	100		
106	31.7	1.3	61.3
65	10.8	0.0	39.1

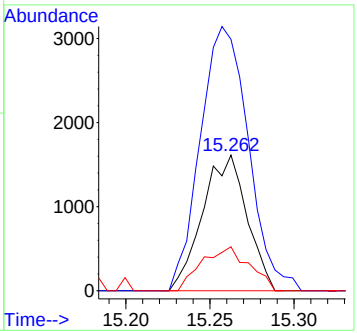


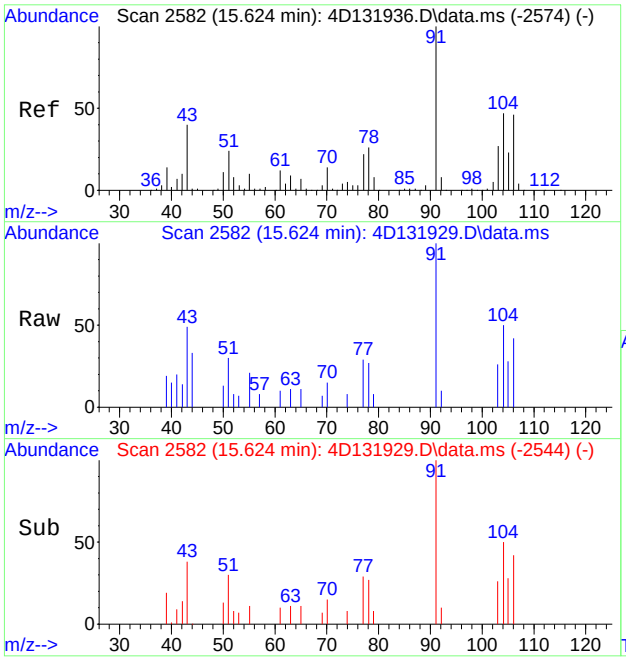


#89
m,p-xylene
Concen: 0.50 ug/L
RT: 15.262 min Scan# 2513
Delta R.T. 0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:106 Resp: 2963

Ion	Ratio	Lower	Upper
106	100		
91	185.1	173.6	233.6
77	32.5	5.6	45.6

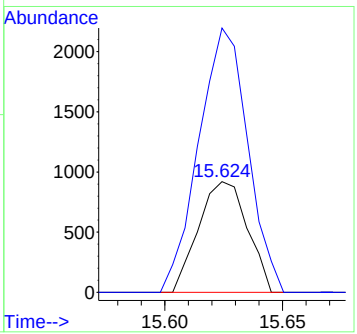


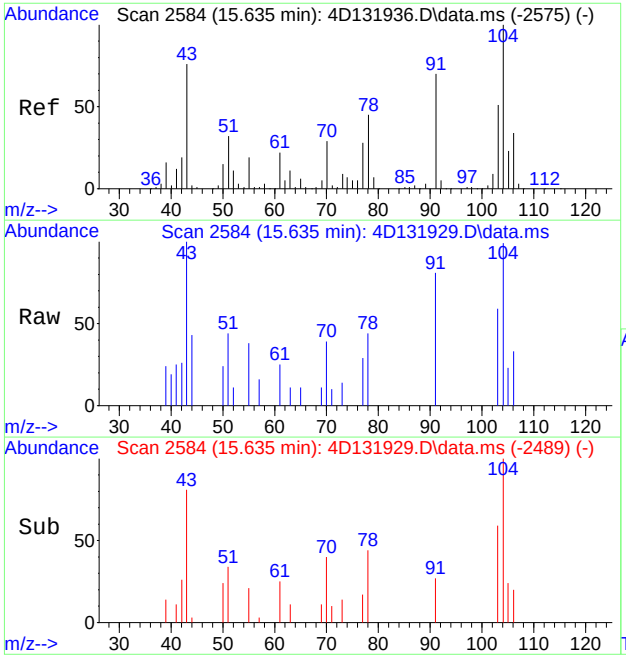


#90
o-xylene
Concen: 0.22 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:106 Resp: 1329

Ion	Ratio	Lower	Upper
106	100		
91	238.5	188.2	248.2

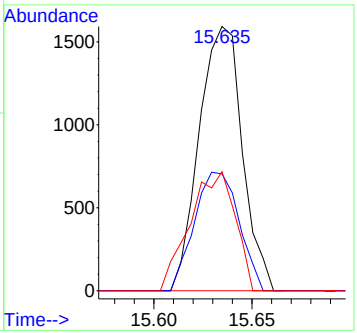


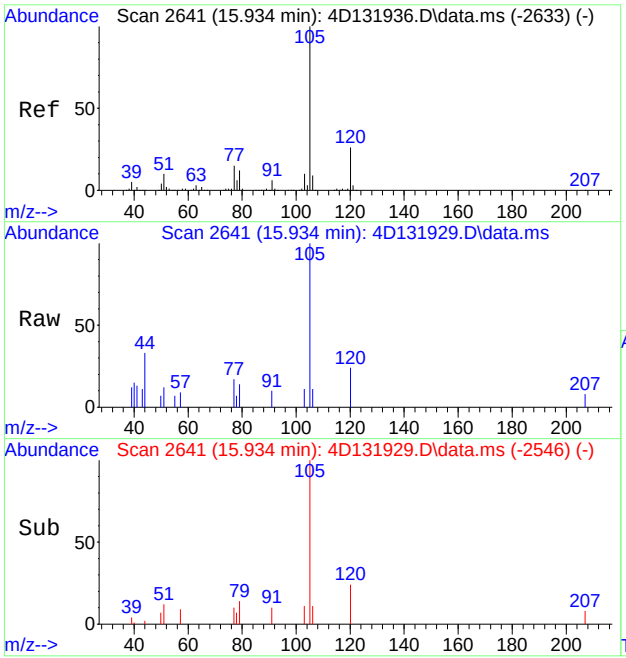


#91
styrene
Concen: 0.25 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:104 Resp: 2437

Ion	Ratio	Lower	Upper
104	100		
78	44.3	14.9	74.9
51	45.0	2.1	62.1

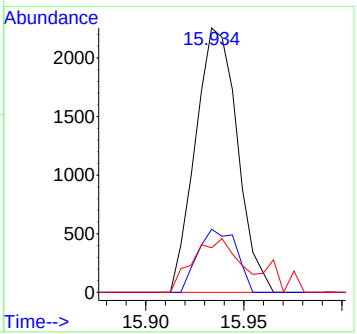


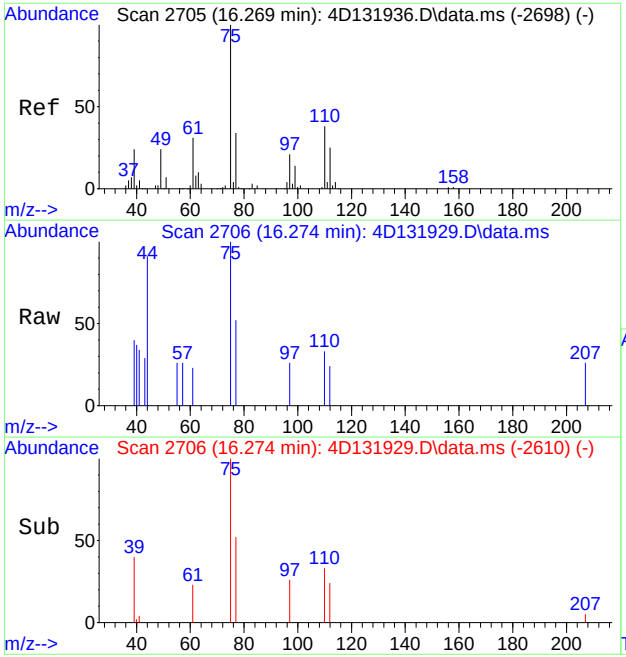


#94
isopropylbenzene
Concen: 0.25 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:105 Resp: 3361

Ion	Ratio	Lower	Upper
105	100		
120	23.8	5.9	45.9
77	16.8	0.0	34.7

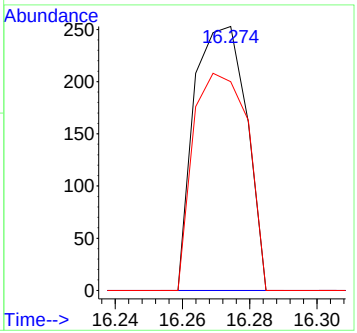


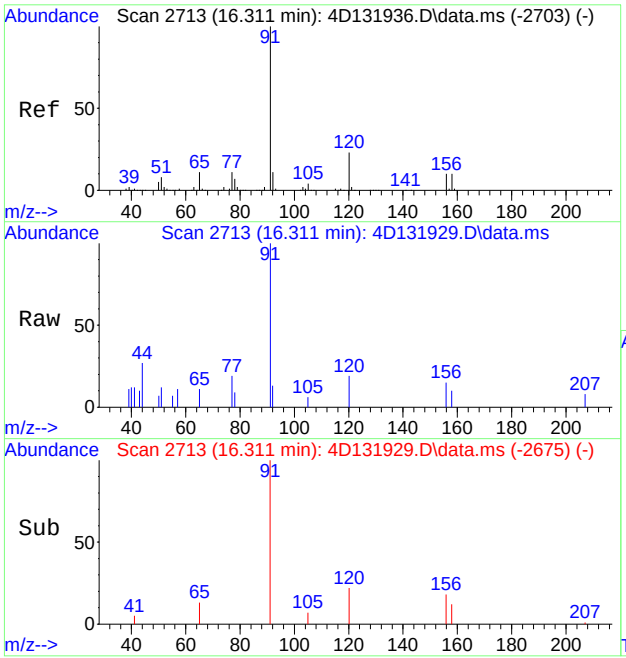


#101
1,2,3-trichloropropane
Concen: 0.21 ug/L
RT: 16.274 min Scan# 2706
Delta R.T. 0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:110 Resp: 273

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	40.4
97	79.1	25.6	85.6

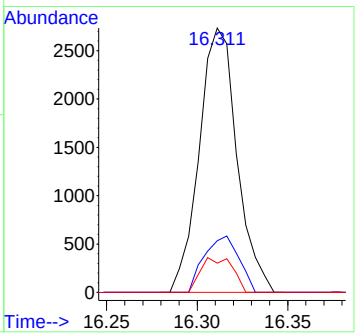


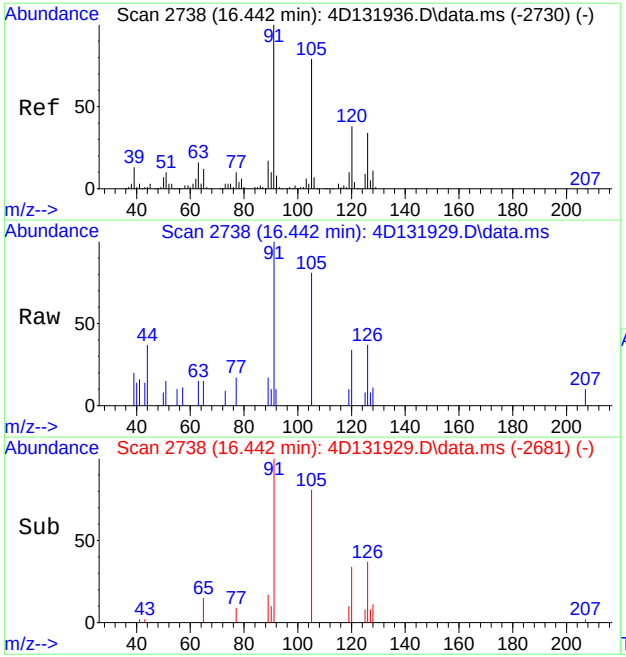


#102
n-propylbenzene
Concen: 0.25 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 91 Resp: 3956

Ion	Ratio	Lower	Upper
91	100		
120	19.5	0.0	53.1
65	11.1	0.0	40.8

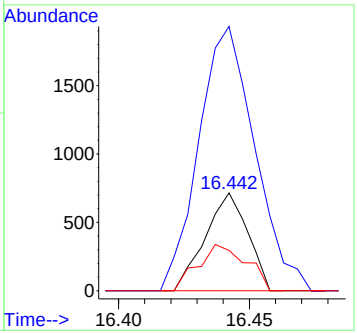


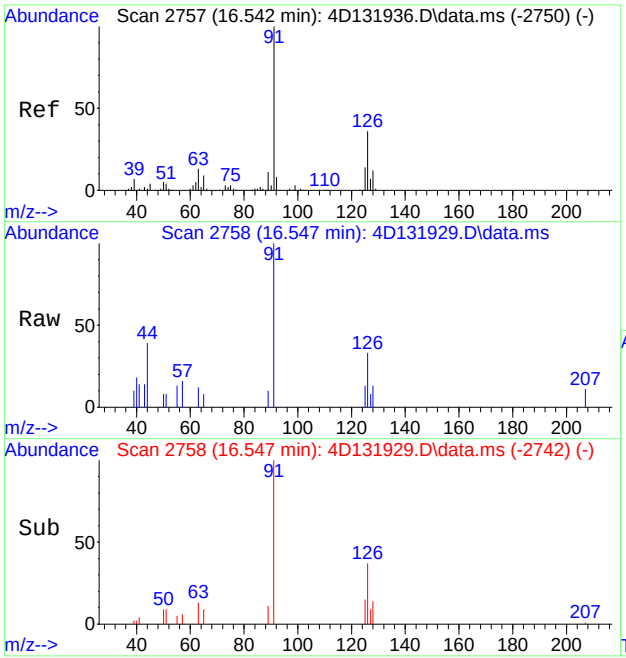


#103
2-chlorotoluene
Concen: 0.24 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:126 Resp: 811

Ion	Ratio	Lower	Upper
126	100		
91	270.5	265.9	325.9
63	41.3	18.3	78.3

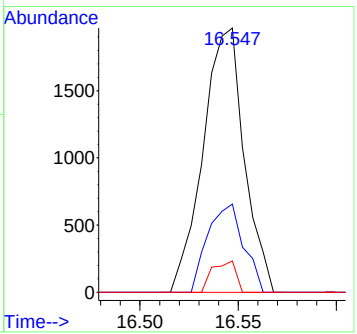


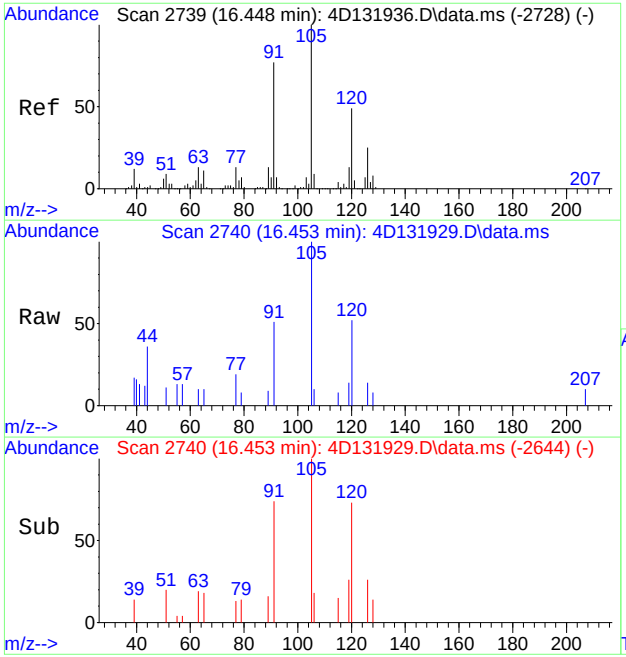


#104
4-chlorotoluene
Concen: 0.28 ug/L
RT: 16.547 min Scan# 2758
Delta R.T. 0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 91 Resp: 2869

Ion	Ratio	Lower	Upper
91	100		
126	33.4	5.5	65.5
63	11.9	0.0	42.5

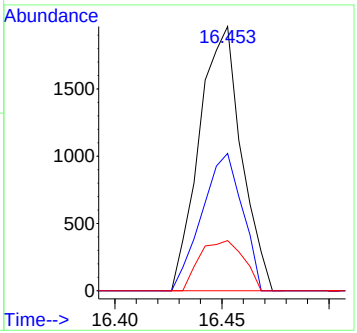


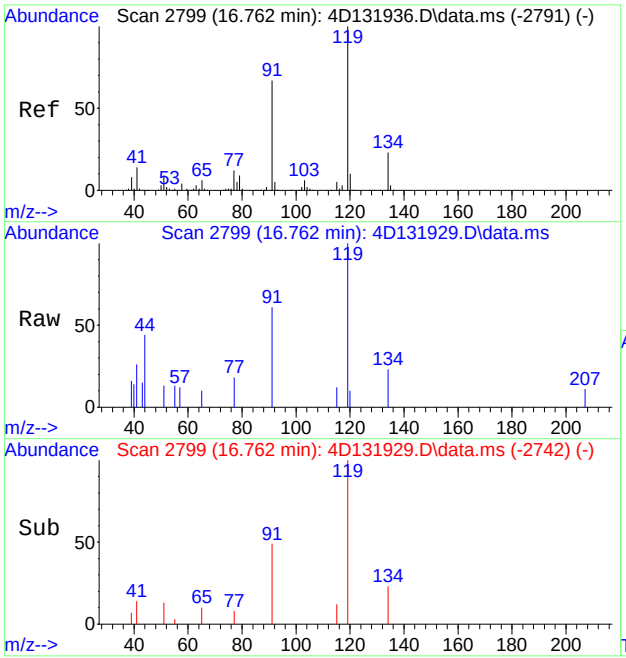


#105
1,3,5-trimethylbenzene
Concen: 0.24 ug/L
RT: 16.453 min Scan# 2740
Delta R.T. 0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:105 Resp: 2688

Ion	Ratio	Lower	Upper
105	100		
120	52.0	19.3	79.3
77	19.0	0.0	42.7

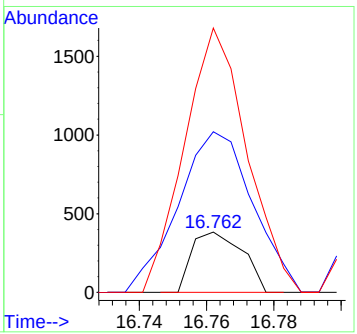


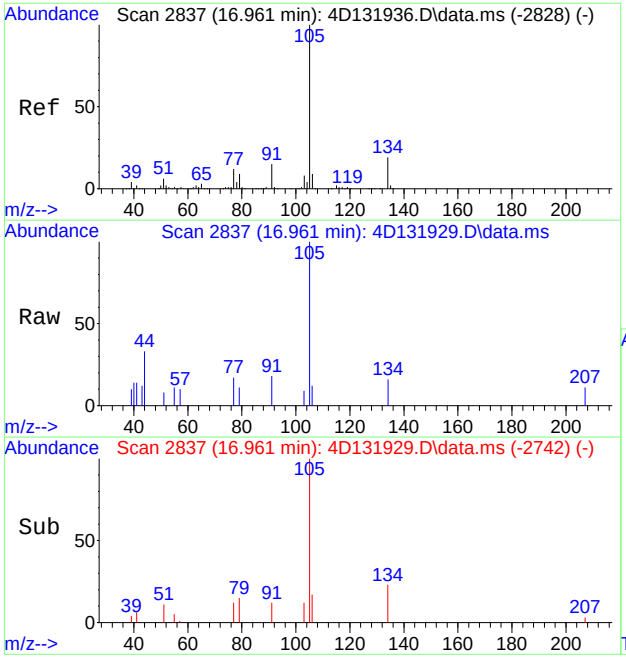


#106
tert-butylbenzene
Concen: 0.19 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:134 Resp: 401

Ion	Ratio	Lower	Upper
134	100		
91	219.3	266.0	326.0#
119	398.4	410.0	470.0#

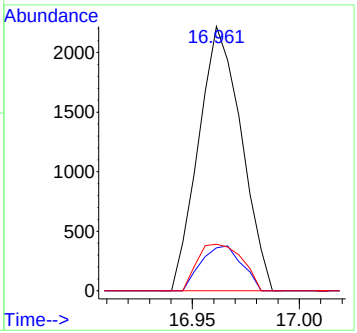


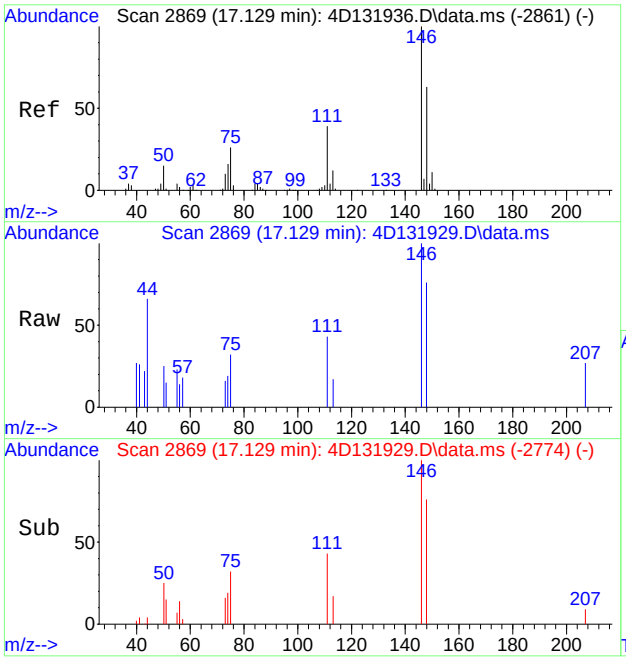


#108
sec-butylbenzene
Concen: 0.23 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:105 Resp: 3093

Ion	Ratio	Lower	Upper
105	100		
134	16.3	0.0	48.6
91	17.6	0.0	45.4

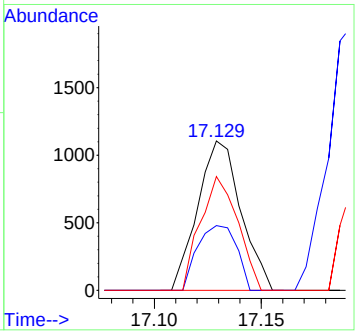


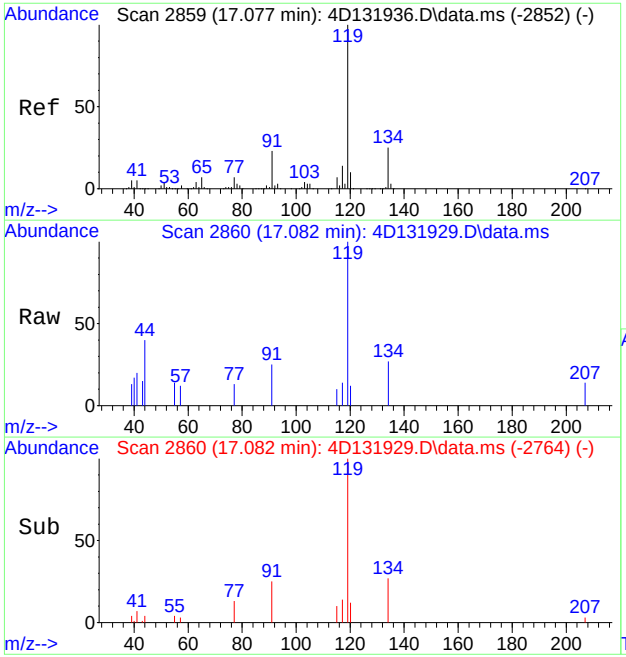


#109
1,3-dichlorobenzene
Concen: 0.24 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:146 Resp: 1554

Ion	Ratio	Lower	Upper
146	100		
111	43.3	9.4	69.4
148	76.3	33.3	93.3

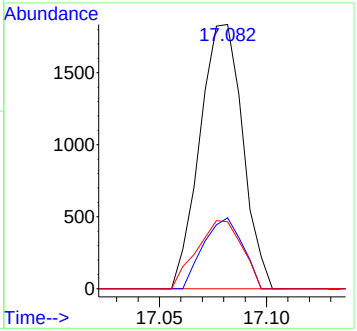


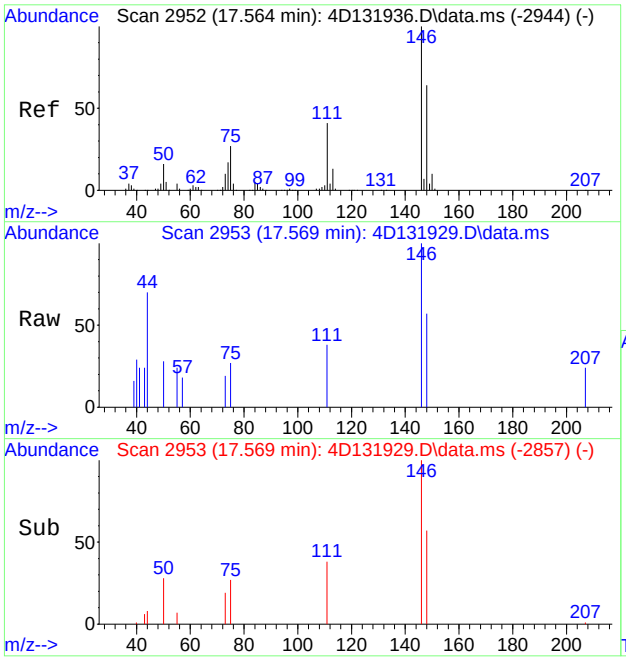


#110
p-isopropyltoluene
Concen: 0.24 ug/L
RT: 17.082 min Scan# 2860
Delta R.T. 0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:119 Resp: 2561

Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	55.5
91	25.3	0.0	53.2

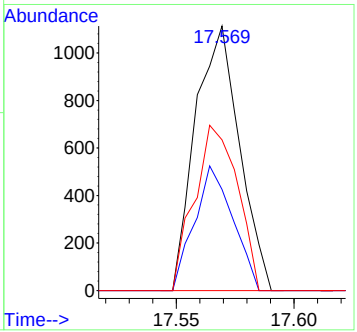


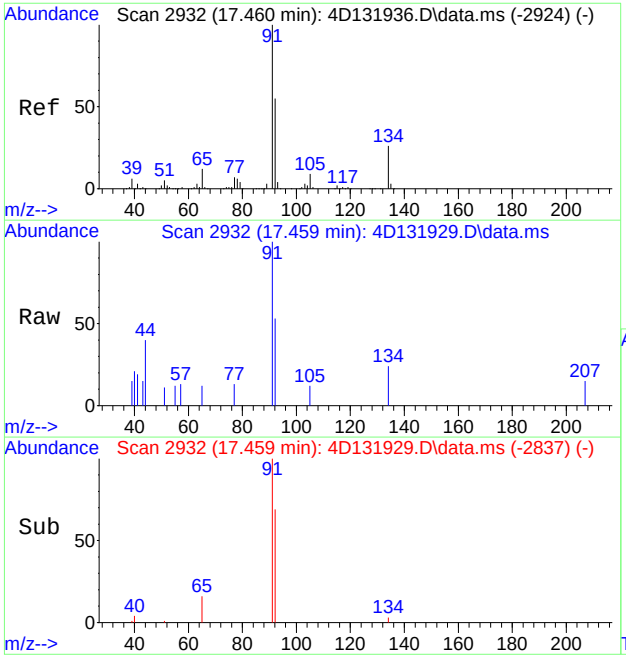


#114
1,2-dichlorobenzene
Concen: 0.24 ug/L
RT: 17.569 min Scan# 2953
Delta R.T. 0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:146 Resp: 1448

Ion	Ratio	Lower	Upper
146	100		
111	38.2	11.4	71.4
148	56.9	33.6	93.6

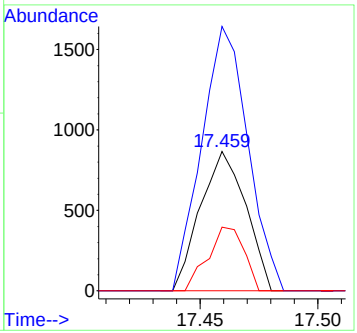


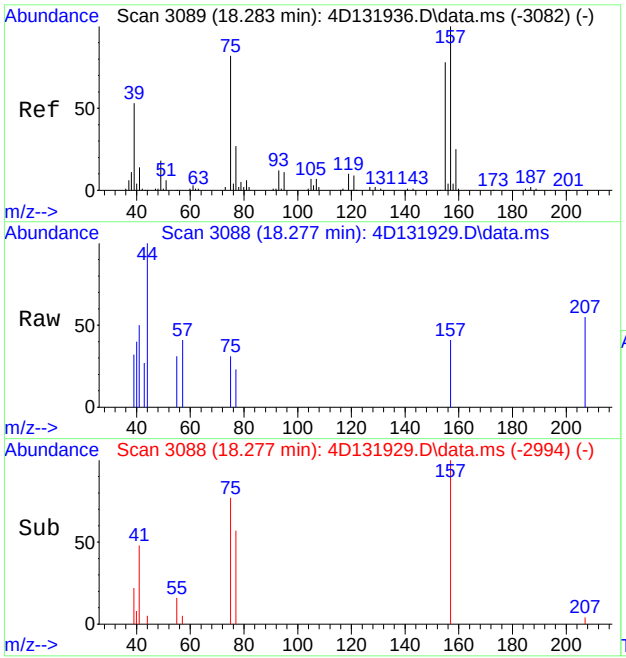


#115
n-butylbenzene
Concen: 0.25 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion: 92 Resp: 1164

Ion	Ratio	Lower	Upper
92	100		
91	189.6	151.4	211.4
134	45.7	16.5	76.5

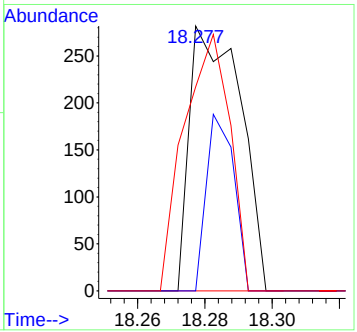


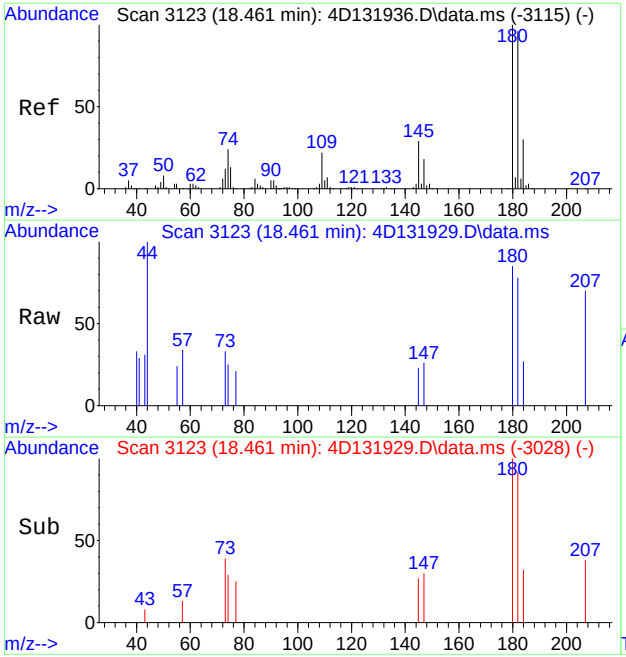


#116
1,2-dibromo-3-chloropropane
Concen: 0.19 ug/L
RT: 18.277 min Scan# 3088
Delta R.T. -0.005 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:157 Resp: 298

Ion	Ratio	Lower	Upper
157	100		
155	0.0	48.1	108.1#
75	77.0	52.3	112.3

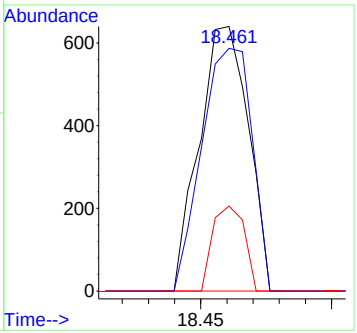


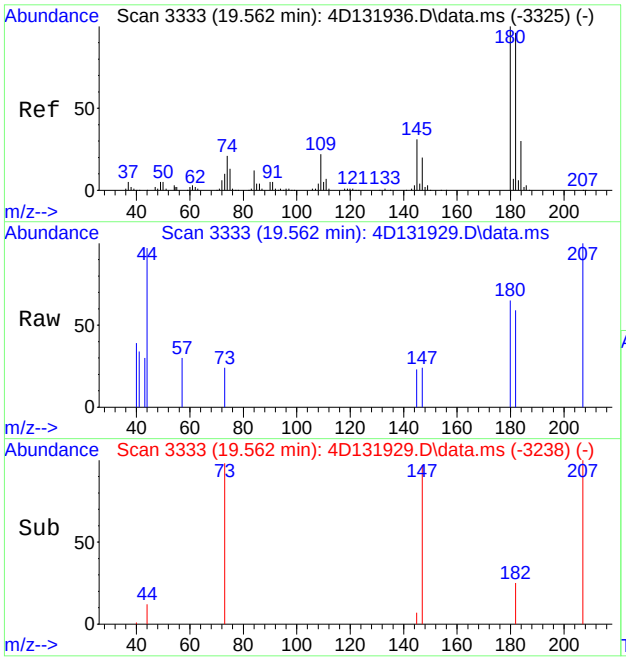


#117
1,3,5-trichlorobenzene
Concen: 0.22 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:180 Resp: 837

Ion	Ratio	Lower	Upper
180	100		
182	91.7	66.1	126.1
184	32.0	0.3	60.3

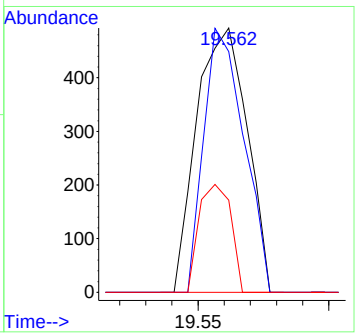




#121
1,2,3-trichlorobenzene
Concen: 0.23 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. -0.000 min
Lab File: 4D131929.D
Acq: 6 Oct 2023 3:37 pm

Tgt Ion:180 Resp: 661

Ion	Ratio	Lower	Upper
180	100		
182	91.1	66.3	126.3
145	34.9	1.3	61.3



Manual Integrations APPROVED (compounds with "m" flag)
Mei Chen
10/10/23 15:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131930.D
Acq On : 6 Oct 2023 4:06 pm
Operator : nickw
Sample : ic5842-0.5
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 10 11:46:38 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:12:15 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	8.819	65	452399	500.00	ug/L		-0.01
5) pentafluorobenzene	11.299	168	426452	50.00	ug/L		0.00
51) 1,4-difluorobenzene	12.206	114	700854	50.00	ug/L		0.00
73) chlorobenzene-d5	15.074	117	566511	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	17.192	152	250207	50.00	ug/L		0.00
124) pentafluorobenzene(a)	11.299	168	426452	50.00	ug/L		0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	250207	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	11.336	113	223467	49.45	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.90%				
52) 1,2-dichloroethane-d4 (s)	11.755	65	261140	50.67	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.34%				
74) toluene-d8 (s)	13.705	98	755359	50.44	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.88%				
97) 4-bromofluorobenzene (s)	16.122	95	261556	49.69	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.38%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.960	59	3596	2.53	ug/L		88
3) ethanol	7.330	45	6491	48.55	ug/L		99
6) chlorodifluoromethane	4.818	51	2705	0.47	ug/L		70
7) dichlorodifluoromethane	4.740	85	3209	0.50	ug/L		92
8) chloromethane	5.269	50	4222	0.62	ug/L		87
9) vinyl chloride	5.495	62	3055	0.52	ug/L		86
10) 1,3-butadiene	5.594	54	2287	0.50	ug/L		87
12) chloroethane	6.543	64	1780	0.51	ug/L		96
13) trichlorofluoromethane	7.083	101	3103	0.48	ug/L		94
14) ethyl ether	7.597	74	907	0.42	ug/L		80
16) freon 113	8.064	151	1049	0.39	ug/L		93
17) 1,1-dichloroethene	8.074	96	1526	0.45	ug/L	#	81
18) acetone	8.101	58	1944	1.98	ug/L	#	66
19) acetonitrile	8.578	41	5329	5.07	ug/L		97
21) carbon disulfide	8.520	76	5336	0.49	ug/L		98
22) methylene chloride	8.892	84	2810	0.57	ug/L		97
24) methyl tert butyl ether	9.280	73	5496	0.42	ug/L		90
25) trans-1,2-dichloroethene	9.333	96	1753	0.46	ug/L		87
26) di-isopropyl ether	9.946	45	7069	0.45	ug/L		87
27) 2-butanone	10.670	72	1592	1.83	ug/L	#	79
28) 1,1-dichloroethane	9.972	63	3503	0.44	ug/L		95
29) chloroprene	10.082	53	3247	0.46	ug/L		95
31) hexane	9.721	56	2129	0.61	ug/L	#	62
33) ethyl tert-butyl ether	10.449	59	6635	0.44	ug/L		94
36) cis-1,2-dichloroethene	10.748	96	2114	0.45	ug/L		92
37) methyl acrylate	10.775	55	4181	0.50	ug/L		87
38) propionitrile	10.754	54	5438	4.76	ug/L		85
39) bromochloromethane	11.058	128	996	0.46	ug/L	#	75
44) methacrylonitrile	10.969	67	1295	0.51	ug/L		86
45) 1,1,1-trichloroethane	11.398	97	2681	0.45	ug/L		88
46) cyclohexane	11.514	84	2949	0.52	ug/L	#	82
47) 1,1-dichloropropene	11.577	75	2269	0.44	ug/L		98
49) carbon tetrachloride	11.598	117	2426	0.47	ug/L		90
53) n-butyl alcohol	12.253	56	8227	24.04	ug/L		94
54) 2,2,4-trimethylpentane	11.897	57	6177	0.53	ug/L		96
55) benzene	11.818	78	7112	0.46	ug/L		97
56) tert-amyl methyl ether	11.881	87	1304	0.47	ug/L	#	72
57) heptane	12.054	71	1314	0.52	ug/L		82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131930.D
Acq On : 6 Oct 2023 4:06 pm
Operator : nickw
Sample : ic5842-0.5
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 10 11:46:38 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:12:15 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) isopropyl acetate	11.724	87	462	0.44 ug/L #	89
59) 1,2-dichloroethane	11.849	62	3461	0.54 ug/L	91
60) trichloroethene	12.500	130	1768	0.43 ug/L	98
61) ethyl acrylate	12.479	55	3664	0.45 ug/L	92
63) 2-chloroethyl vinyl ether	13.218	63	5367	2.15 ug/L	96
65) 1,2-dichloropropane	12.772	63	1808	0.45 ug/L	93
66) dibromomethane	12.877	93	1281	0.48 ug/L	89
67) methylcyclohexane	12.772	83	2582	0.43 ug/L	88
68) bromodichloromethane	13.008	83	2900	0.51 ug/L	83
69) epichlorohydrin	13.302	57	2175	2.69 ug/L	96
70) cis-1,3-dichloropropene	13.422	75	3022	0.46 ug/L	86
71) 4-methyl-2-pentanone	13.511	58	4963	1.96 ug/L	93
75) toluene	13.768	92	4217	0.45 ug/L	95
76) trans-1,3-dichloropropene	13.936	75	2670	0.44 ug/L	89
77) ethyl methacrylate	13.915	69	3064	0.51 ug/L	98
78) 1,1,2-trichloroethane	14.146	83	1575	0.50 ug/L	92
79) tetrachloroethene	14.277	164	1388	0.45 ug/L	94
80) 1,3-dichloropropane	14.303	76	2672	0.48 ug/L #	67
81) 2-hexanone	14.277	58	5285	1.94 ug/L	93
82) butyl acetate	14.340	56	2308	0.61 ug/L	92
83) dibromochloromethane	14.529	129	2125	0.48 ug/L	96
84) 1,2-dibromoethane	14.675	107	1884	0.45 ug/L	97
86) chlorobenzene	15.105	112	4460	0.43 ug/L	98
87) 1,1,1,2-tetrachloroethane	15.158	131	1616	0.45 ug/L	94
88) ethylbenzene	15.152	91	7523	0.44 ug/L	97
89) m,p-xylene	15.257	106	5855	0.89 ug/L	97
90) o-xylene	15.624	106	3010	0.48 ug/L	92
91) styrene	15.635	104	4667	0.43 ug/L	97
92) bromoform	15.855	173	1480	0.47 ug/L	95
93) butyl acrylate	15.446	55	4332	0.45 ug/L #	96
94) isopropylbenzene	15.934	105	6640	0.44 ug/L	97
98) bromobenzene	16.295	156	1832	0.46 ug/L	94
99) 1,1,2,2-tetrachloroethane	16.185	83	2566	0.49 ug/L	88
100) trans-1,4-dichloro-2-b...	16.217	53	687	0.44 ug/L	94
101) 1,2,3-trichloropropane	16.269	110	585	0.43 ug/L	90
102) n-propylbenzene	16.311	91	8056	0.45 ug/L	96
103) 2-chlorotoluene	16.442	126	1695	0.45 ug/L	90
104) 4-chlorotoluene	16.542	91	5264	0.43 ug/L	95
105) 1,3,5-trimethylbenzene	16.453	105	5544	0.45 ug/L	97
106) tert-butylbenzene	16.767	134	978	0.46 ug/L #	92
107) 1,2,4-trimethylbenzene	16.809	105	5663	0.48 ug/L	97
108) sec-butylbenzene	16.961	105	6495	0.45 ug/L	97
109) 1,3-dichlorobenzene	17.129	146	3011	0.42 ug/L	94
110) p-isopropyltoluene	17.082	119	5102	0.43 ug/L	96
111) 1,4-dichlorobenzene	17.218	146	3113	0.47 ug/L	96
112) 1,2,3-trimethylbenzene	17.208	105	5412m	0.47 ug/L	
113) benzyl chloride	17.297	91	4437	0.49 ug/L	97
114) 1,2-dichlorobenzene	17.570	146	2817	0.42 ug/L	96
115) n-butylbenzene	17.459	92	2257	0.43 ug/L	93
116) 1,2-dibromo-3-chloropr...	18.283	157	542	0.34 ug/L	91
117) 1,3,5-trichlorobenzene	18.461	180	1705	0.42 ug/L	92
118) 1,2,4-trichlorobenzene	19.069	180	1535	0.44 ug/L	96
119) hexachlorobutadiene	19.174	225	558	0.41 ug/L	82
120) naphthalene	19.352	128	5143	0.45 ug/L	99
121) 1,2,3-trichlorobenzene	19.562	180	1259	0.40 ug/L	94
122) hexachloroethane	17.847	201	659	0.40 ug/L	91
123) 2-methylnaphthalene	20.448	142	1045	0.21 ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131930.D
Acq On : 6 Oct 2023 4:06 pm
Operator : nickw
Sample : ic5842-0.5
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 10 11:46:38 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:12:15 2023
Response via : Initial Calibration

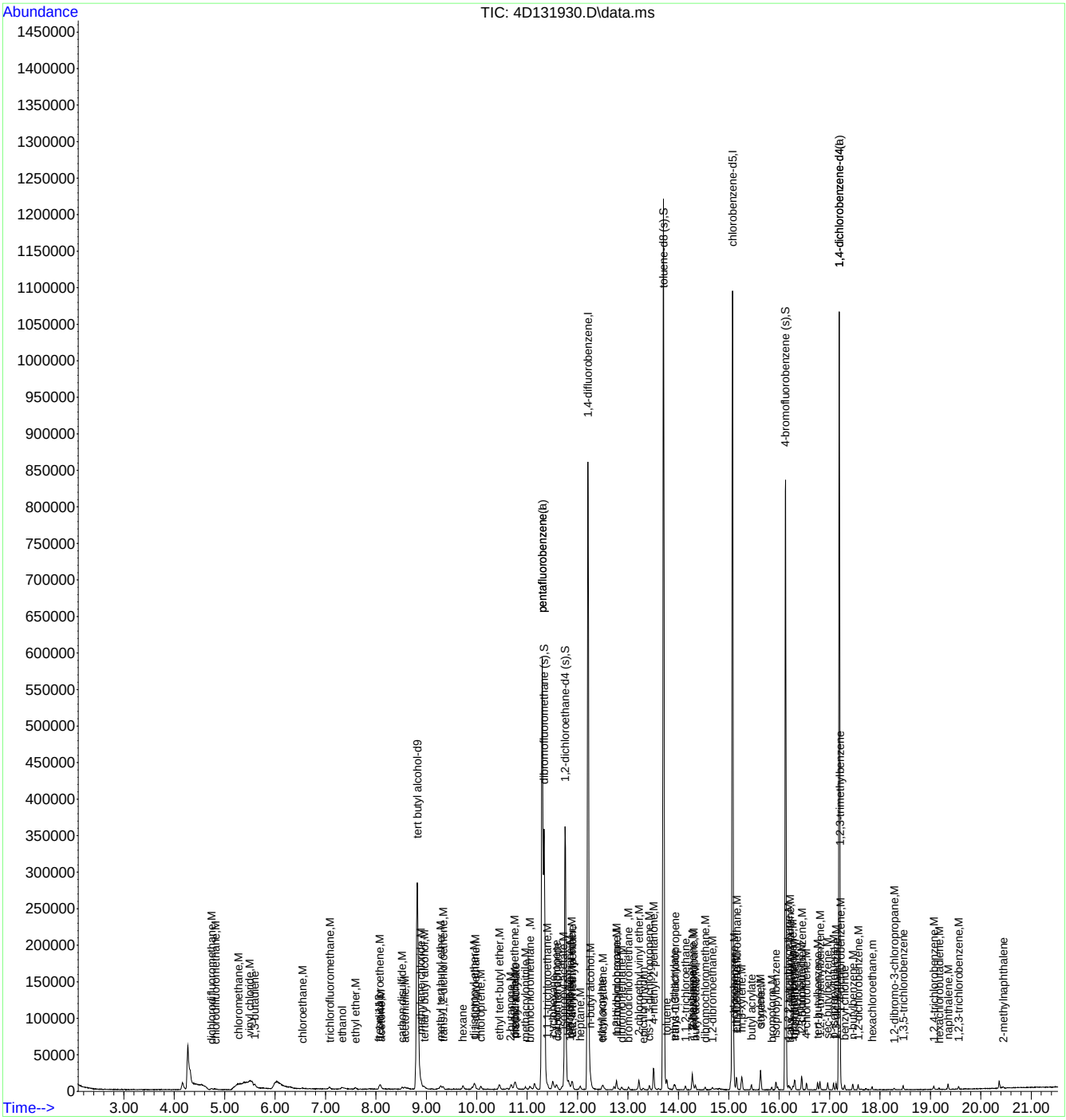
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

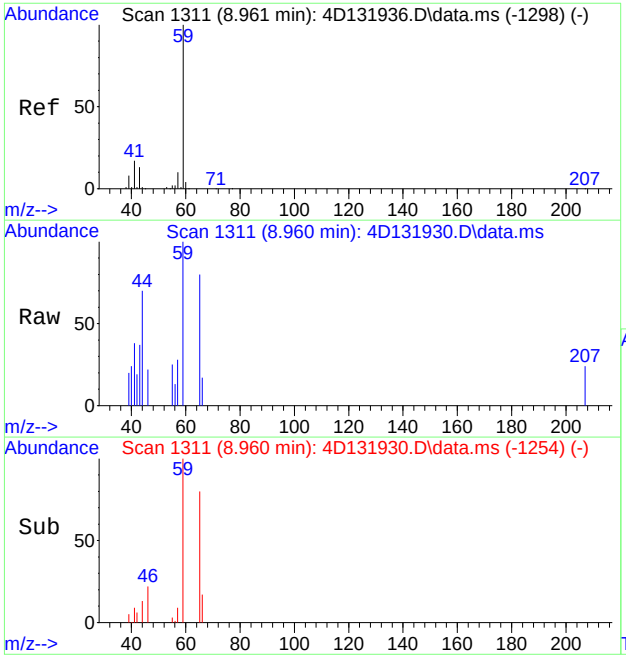
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131930.D
Acq On : 6 Oct 2023 4:06 pm
Operator : nickw
Sample : ic5842-0.5
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 10 11:46:38 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:12:15 2023
Response via : Initial Calibration

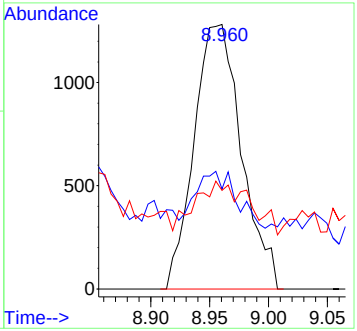


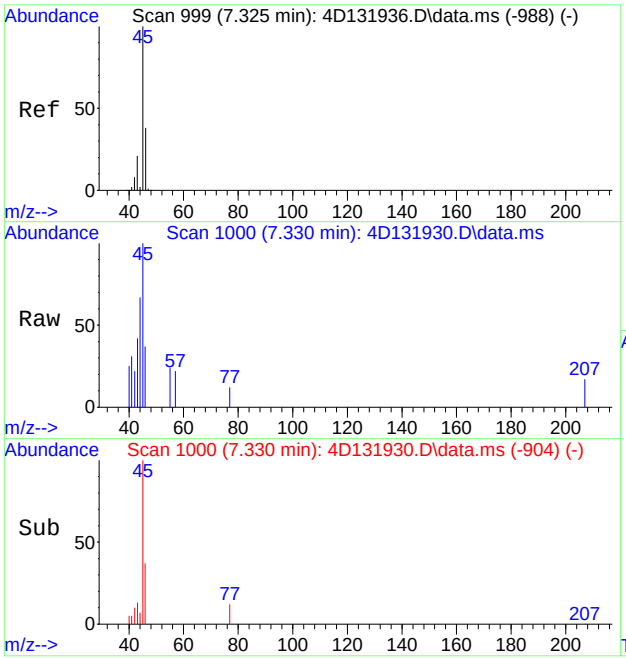


#2
tertiary butyl alcohol
Concen: 2.53 ug/L
RT: 8.960 min Scan# 1311
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 59 Resp: 3596

Ion	Ratio	Lower	Upper
59	100		
41	11.1	0.0	49.8
43	13.4	0.0	43.7

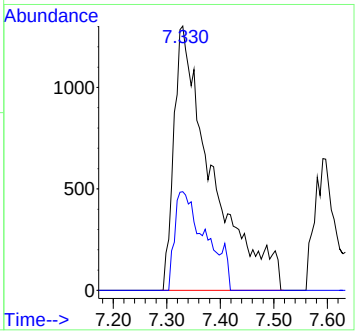


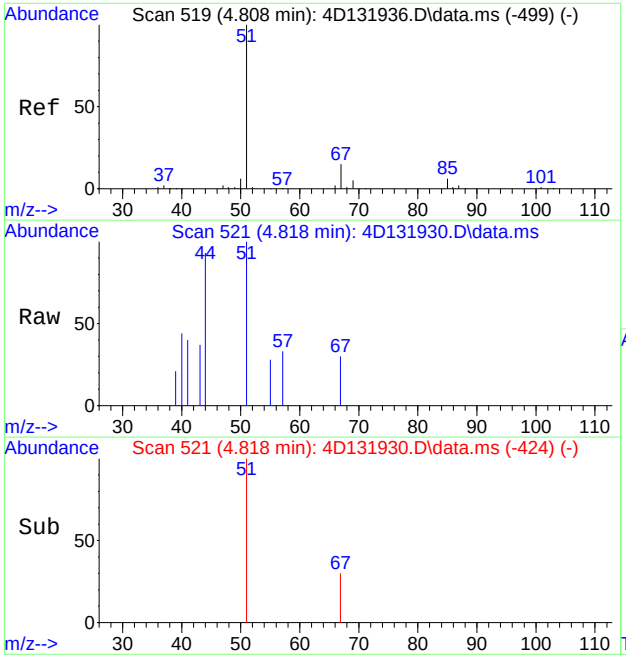


#3
ethanol
Concen: 48.55 ug/L
RT: 7.330 min Scan# 1000
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 45 Resp: 6491

Ion	Ratio	Lower	Upper
45	100		
46	37.3	8.2	68.2

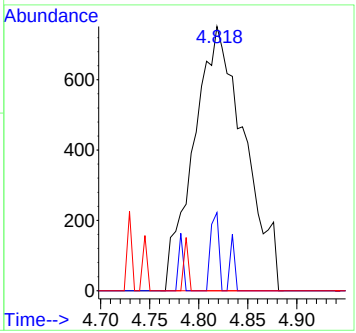


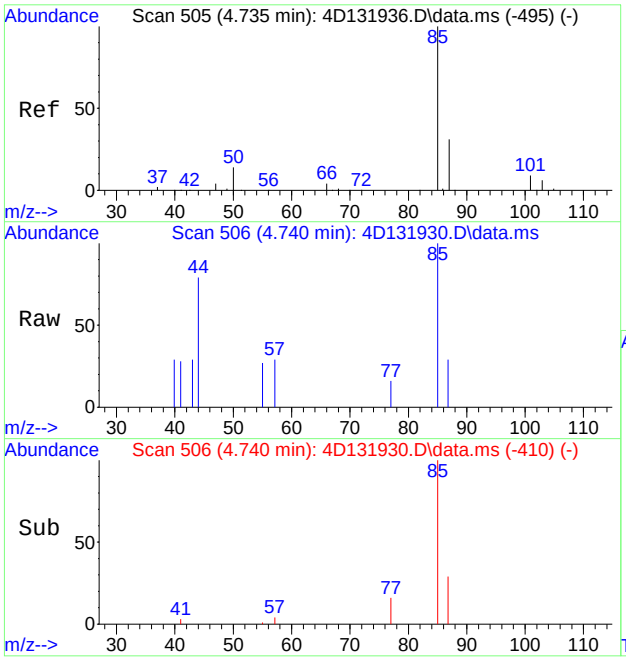


#6
chlorodifluoromethane
Concen: 0.47 ug/L
RT: 4.818 min Scan# 521
Delta R.T. 0.010 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 51 Resp: 2705

Ion	Ratio	Lower	Upper
51	100		
67	29.5	0.0	45.1
50	0.0	0.0	36.9

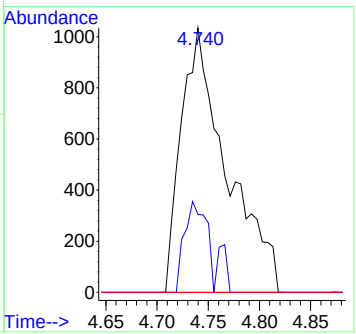


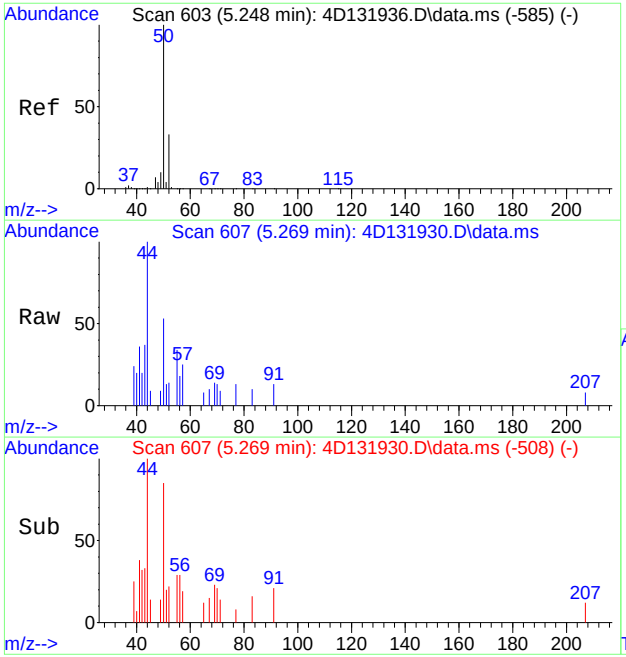


#7
dichlorodifluoromethane
Concen: 0.50 ug/L
RT: 4.740 min Scan# 506
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 85 Resp: 3209

Ion	Ratio	Lower	Upper
85	100		
87	29.5	1.4	61.4
101	0.0	0.0	39.3

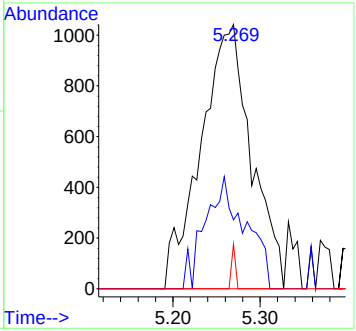


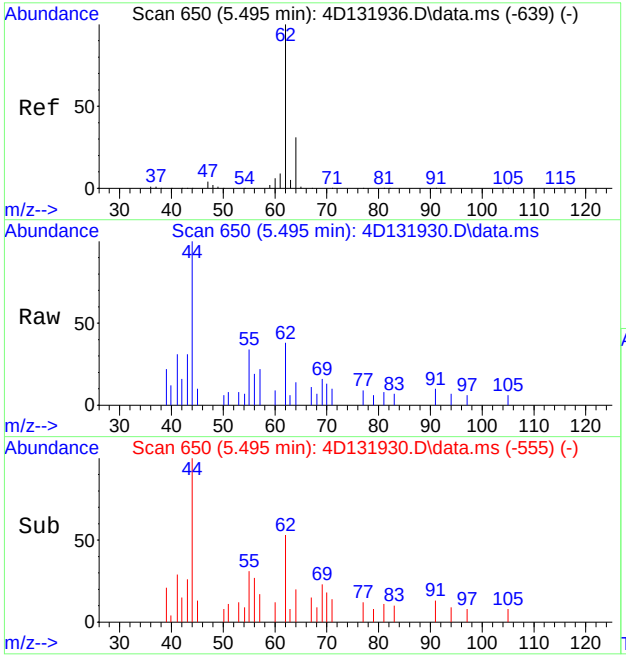


#8
chloromethane
Concen: 0.62 ug/L
RT: 5.269 min Scan# 607
Delta R.T. 0.021 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 50 Resp: 4222

Ion	Ratio	Lower	Upper
50	100		
52	26.1	2.8	62.8
49	16.9	0.0	40.0

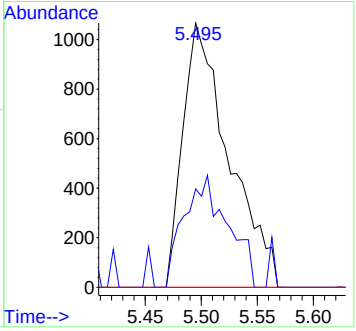


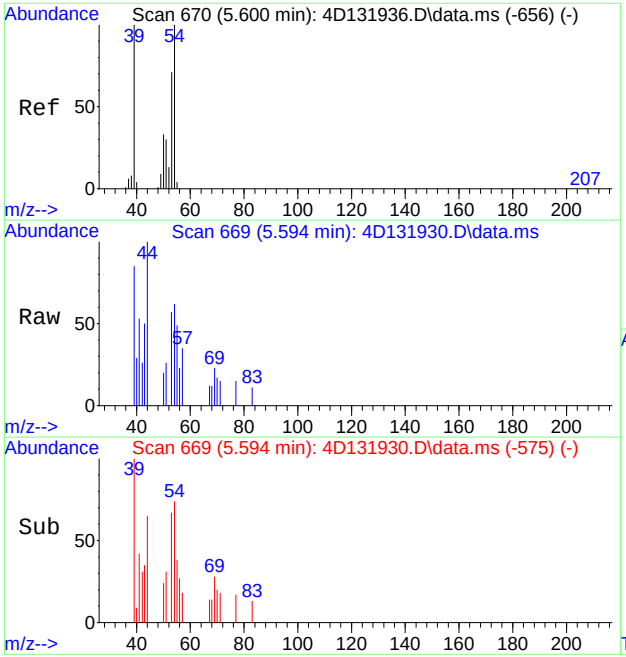


#9
vinyl chloride
Concen: 0.52 ug/L
RT: 5.495 min Scan# 650
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 62 Resp: 3055

Ion	Ratio	Lower	Upper
62	100		
64	37.2	1.2	61.2
61	0.0	0.0	38.7

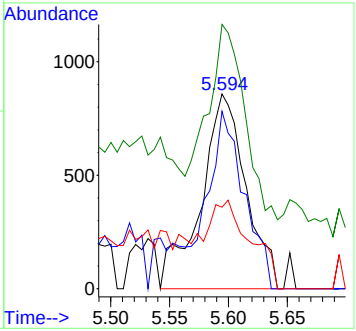


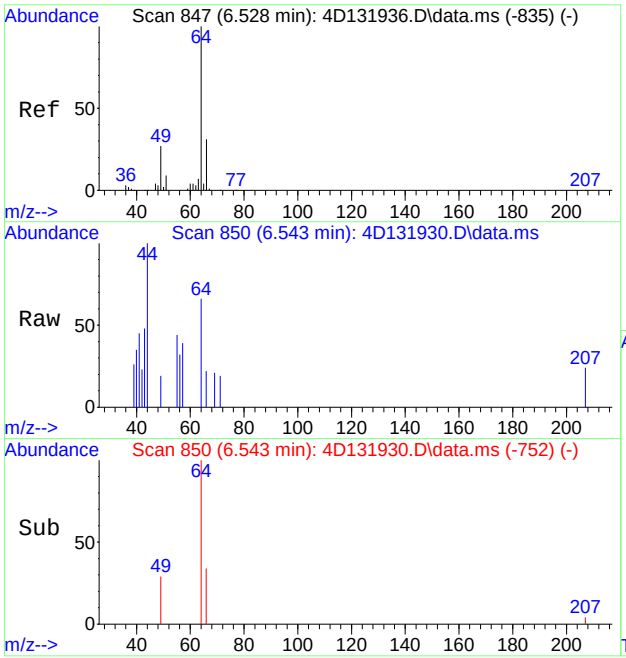


#10
1,3-butadiene
Concen: 0.50 ug/L
RT: 5.594 min Scan# 669
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 54 Resp: 2287

Ion	Ratio	Lower	Upper
54	100		
53	91.1	41.0	101.0
51	41.8	0.0	59.6
39	97.6	79.8	119.8

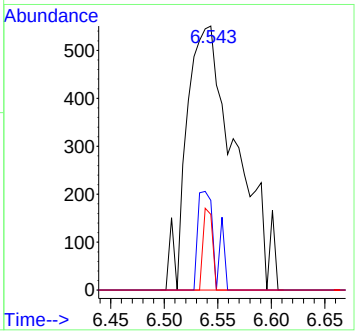


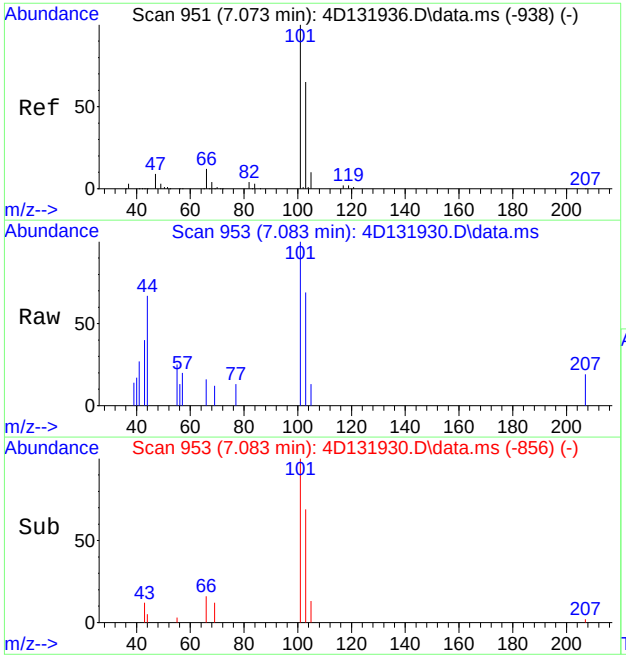


#12
chloroethane
Concen: 0.51 ug/L
RT: 6.543 min Scan# 850
Delta R.T. 0.016 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 64 Resp: 1780

Ion	Ratio	Lower	Upper
64	100		
66	33.9	1.2	61.2
49	28.7	0.0	57.3

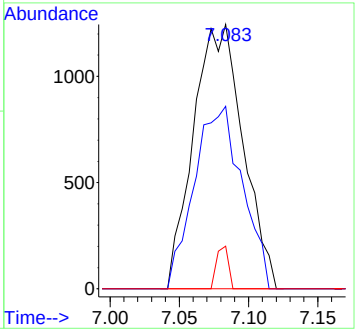


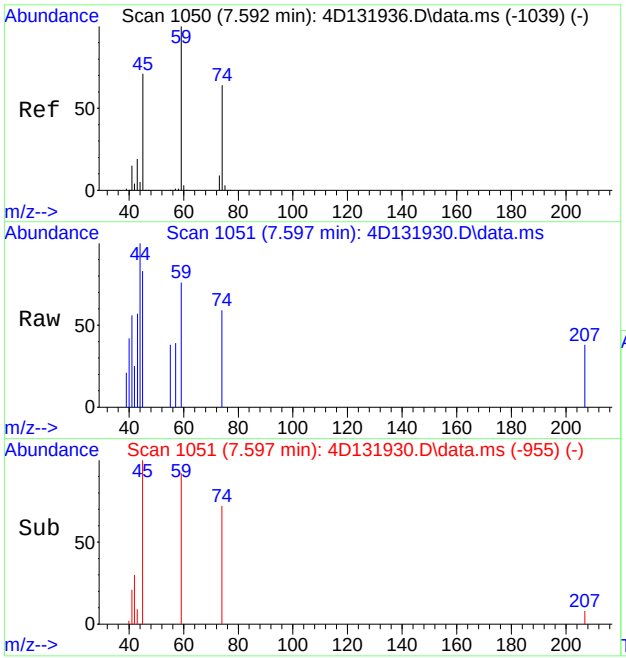


#13
trichlorofluoromethane
Concen: 0.48 ug/L
RT: 7.083 min Scan# 953
Delta R.T. 0.010 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:101 Resp: 3103

Ion	Ratio	Lower	Upper
101	100		
103	69.0	35.1	95.1
66	16.1	0.0	42.2

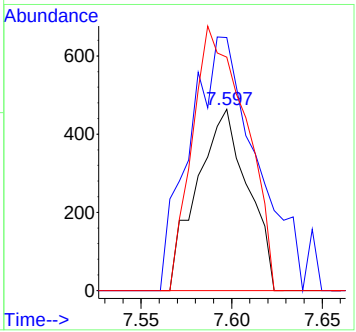


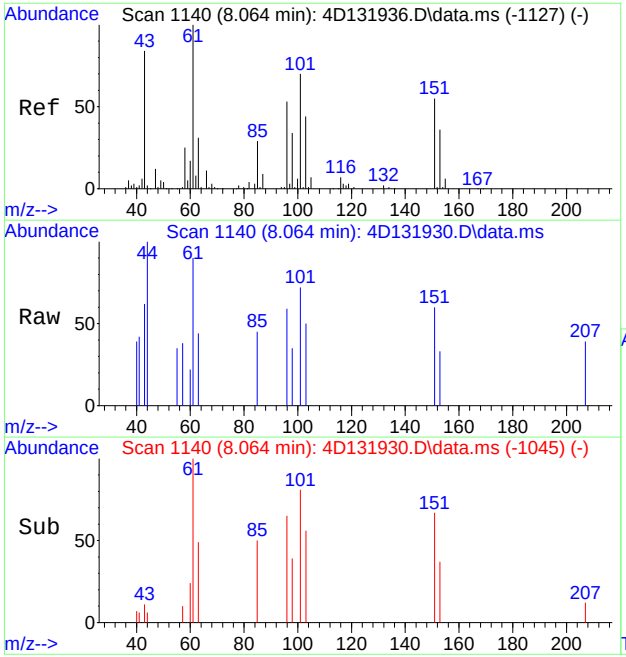


#14
ethyl ether
Concen: 0.42 ug/L
RT: 7.597 min Scan# 1051
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 74 Resp: 907

Ion	Ratio	Lower	Upper
74	100		
45	139.4	89.0	149.0
59	128.7	125.8	185.8

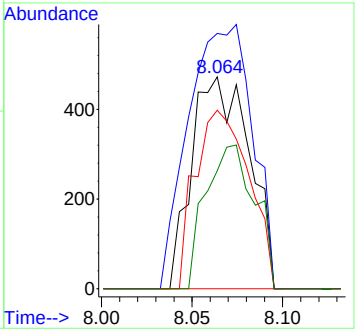


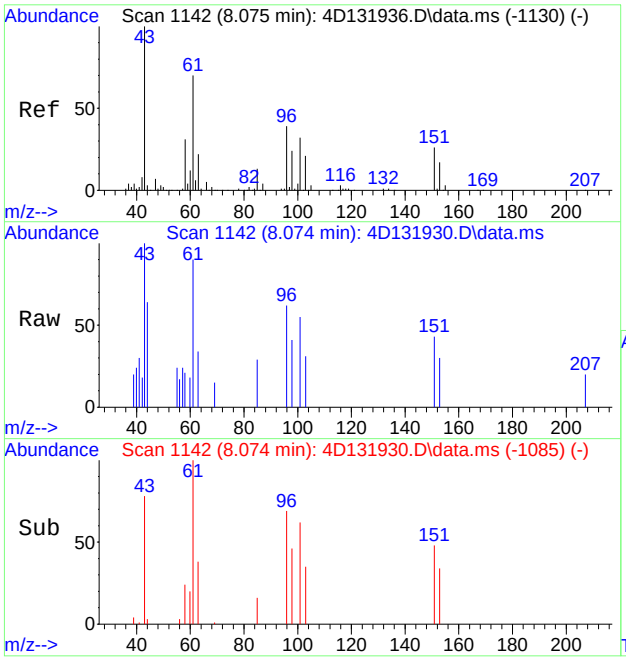


#16
freon 113
Concen: 0.39 ug/L
RT: 8.064 min Scan# 1140
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:151 Resp: 1049

Ion	Ratio	Lower	Upper
151	100		
101	120.5	107.6	147.6
103	84.1	61.2	101.2
153	55.6	45.4	85.4

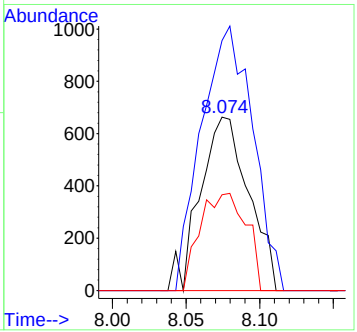


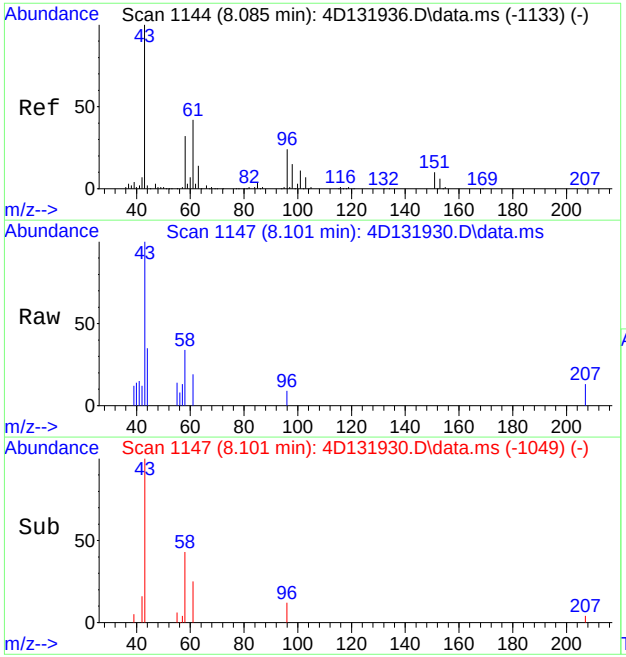


#17
1,1-dichloroethene
Concen: 0.45 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 96 Resp: 1526

Ion	Ratio	Lower	Upper
96	100		
61	144.2	149.0	209.0#
63	55.2	26.1	86.1

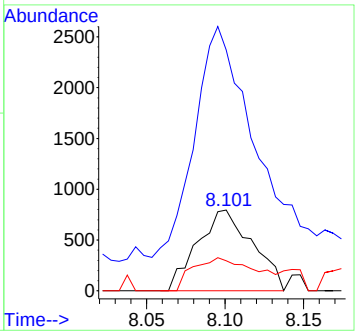


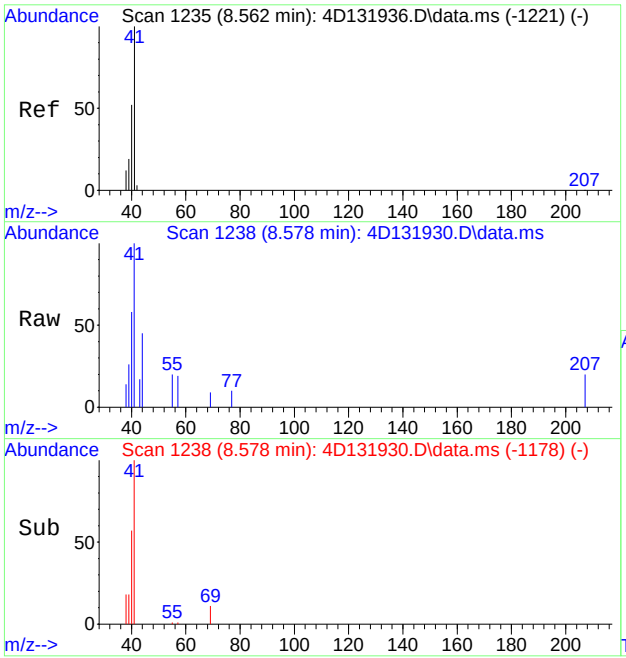


#18
acetone
Concen: 1.98 ug/L
RT: 8.101 min Scan# 1147
Delta R.T. 0.016 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 58 Resp: 1944

Ion	Ratio	Lower	Upper
58	100		
43	245.2	285.1	345.1#
42	37.1	0.0	53.5

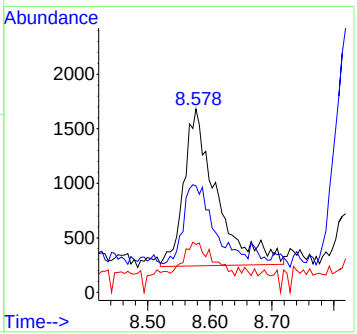


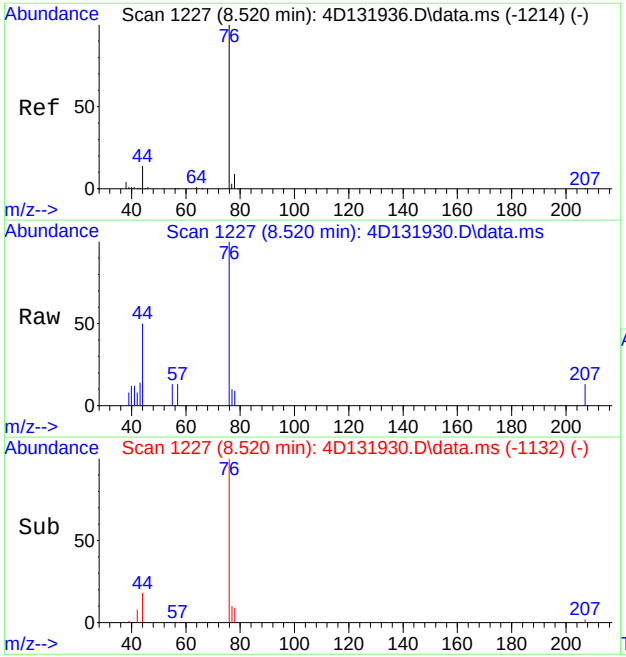


#19
acetonitrile
Concen: 5.07 ug/L
RT: 8.578 min Scan# 1238
Delta R.T. 0.016 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 41 Resp: 5329

Ion	Ratio	Lower	Upper
41	100		
40	49.8	22.4	82.4
39	18.0	0.0	49.2

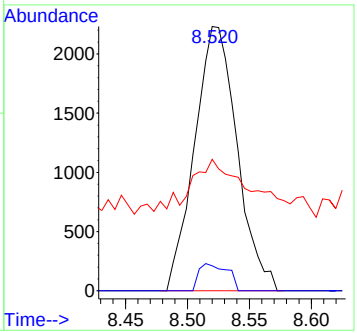


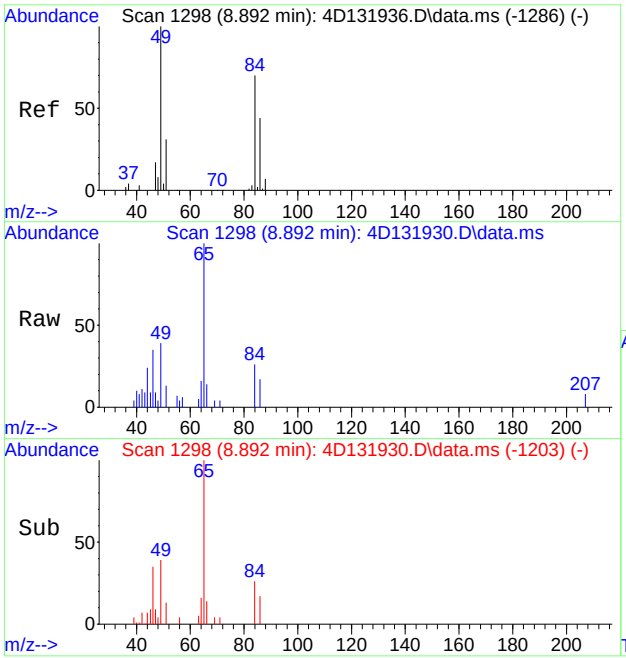


#21
carbon disulfide
Concen: 0.49 ug/L
RT: 8.520 min Scan# 1227
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 76 Resp: 5336

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	39.2
44	15.9	0.0	44.4

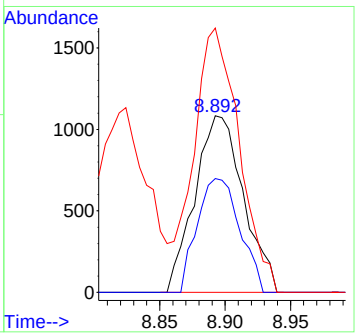


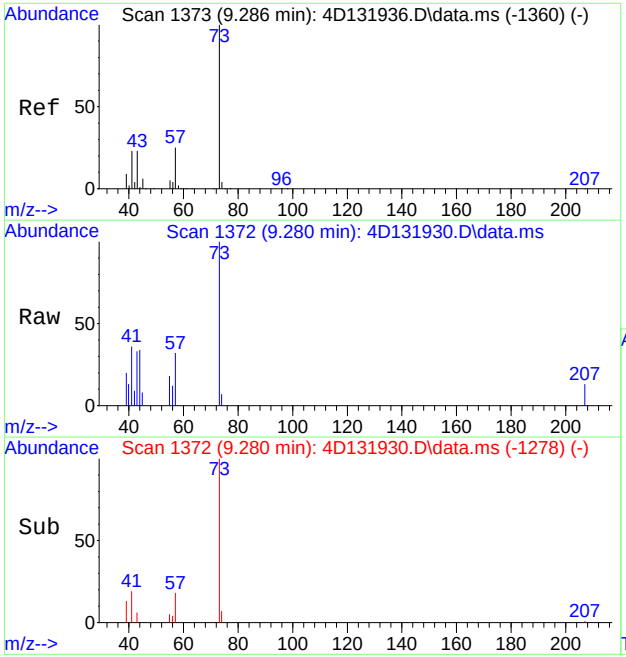


#22
methylene chloride
Concen: 0.57 ug/L
RT: 8.892 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 84 Resp: 2810

Ion	Ratio	Lower	Upper
84	100		
86	64.5	33.7	93.7
49	149.9	114.9	174.9

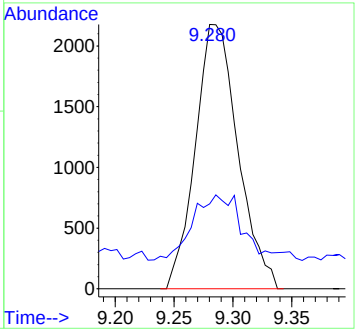


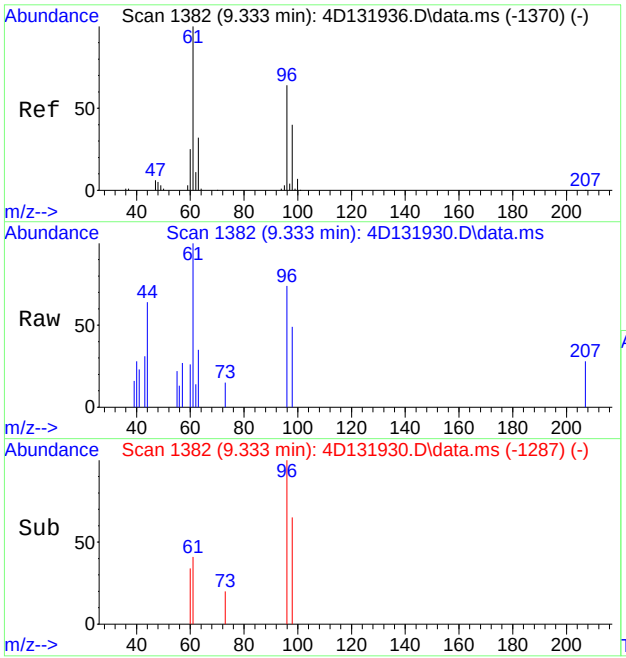


#24
methyl tert butyl ether
Concen: 0.42 ug/L
RT: 9.280 min Scan# 1372
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 73 Resp: 5496

Ion	Ratio	Lower	Upper
73	100		
57	19.8	0.0	224.6

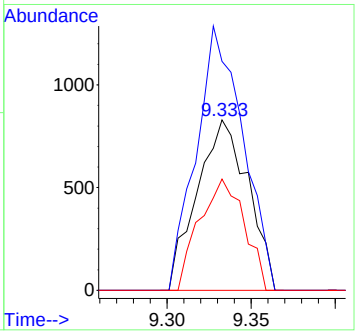


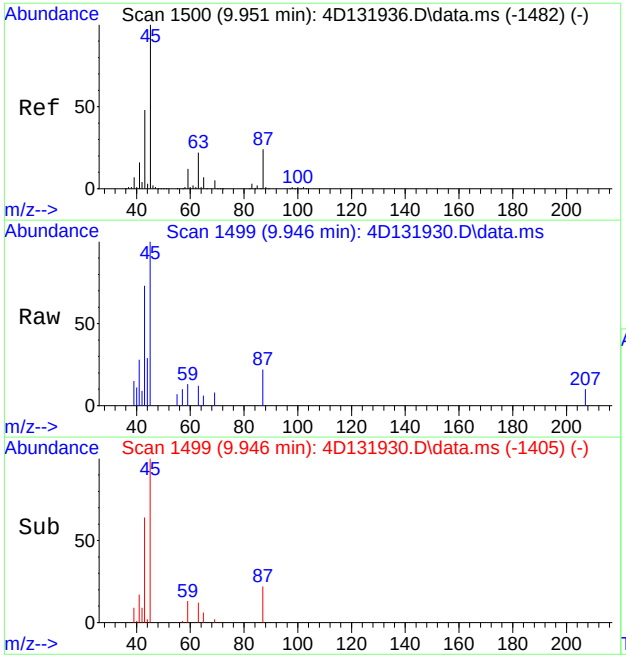


#25
trans-1,2-dichloroethene
Concen: 0.46 ug/L
RT: 9.333 min Scan# 1382
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 96 Resp: 1753

Ion	Ratio	Lower	Upper
96	100		
61	134.4	126.5	186.5
98	65.3	33.3	93.3

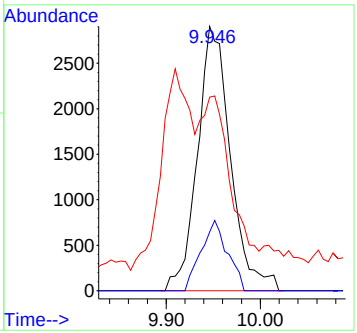


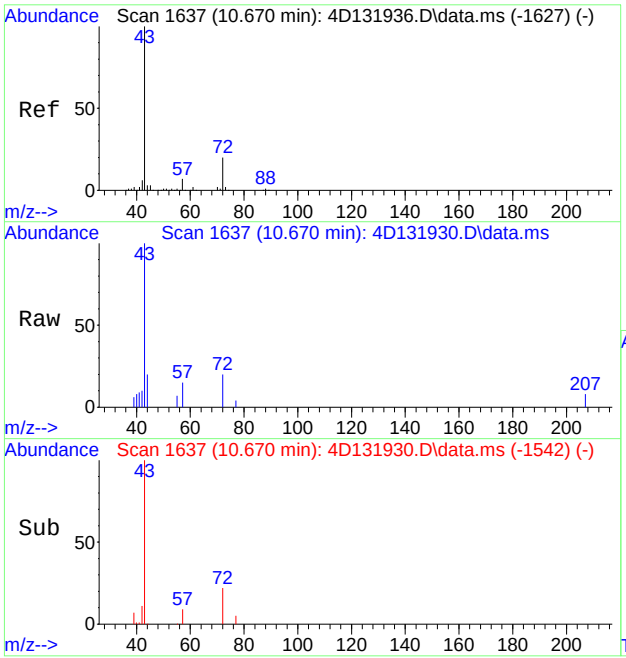


#26
di-isopropyl ether
Concen: 0.45 ug/L
RT: 9.946 min Scan# 1499
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 45 Resp: 7069

Ion	Ratio	Lower	Upper
45	100		
87	22.3	0.0	54.4
43	60.2	18.8	78.8

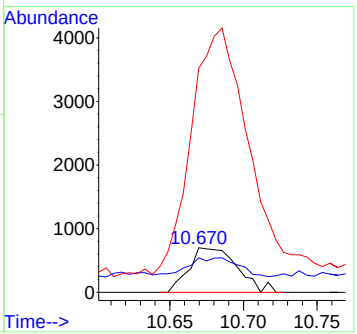


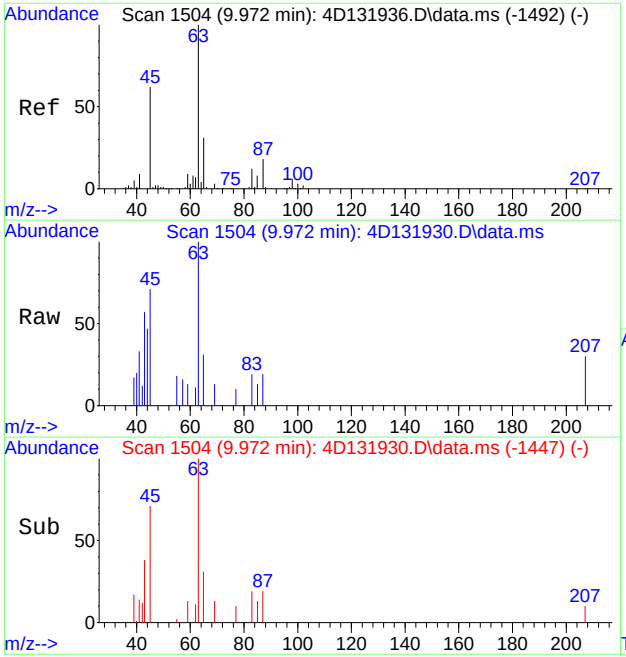


#27
2-butanone
Concen: 1.83 ug/L
RT: 10.670 min Scan# 1637
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 72 Resp: 1592

Ion	Ratio	Lower	Upper
72	100		
57	35.9	3.7	63.7
43	443.9	475.8	535.8#

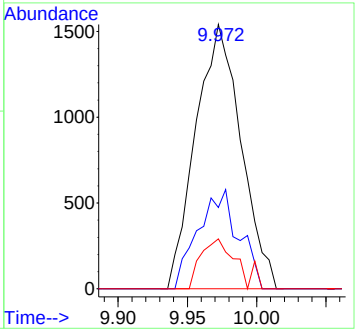


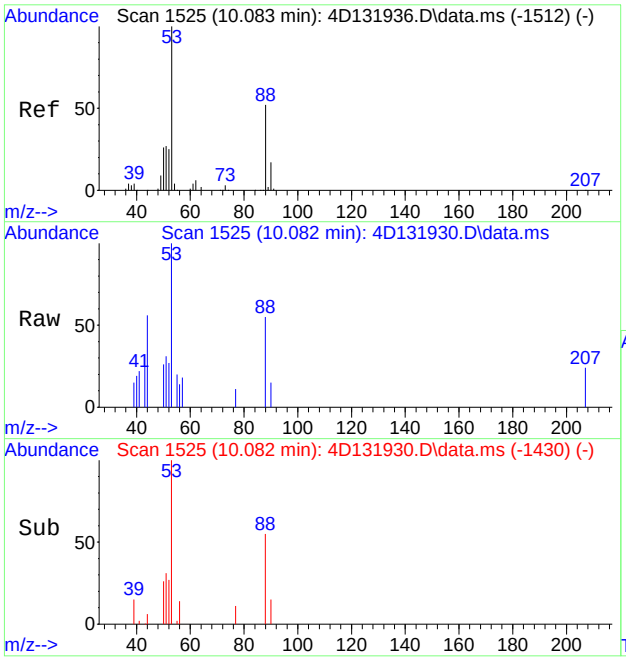


#28
1,1-dichloroethane
Concen: 0.44 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 63 Resp: 3503

Ion	Ratio	Lower	Upper
63	100		
65	30.8	0.9	60.9
83	18.9	0.0	42.3

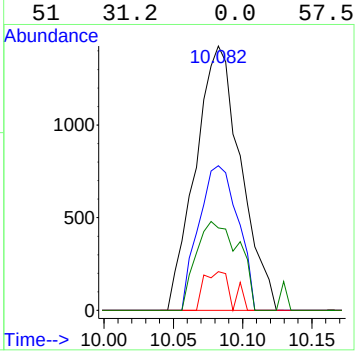


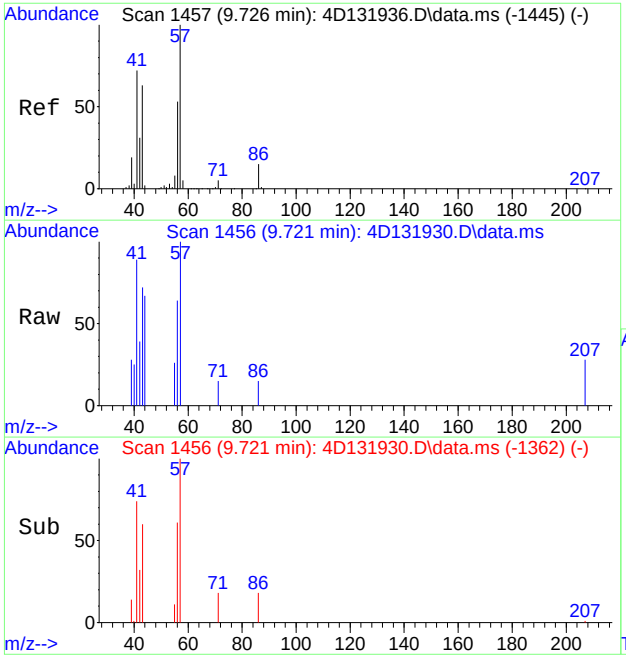


#29
chloroprene
Concen: 0.46 ug/L
RT: 10.082 min Scan# 1525
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 53 Resp: 3247

Ion	Ratio	Lower	Upper
53	100		
88	54.7	21.8	81.8
90	14.6	0.0	47.2
51	31.2	0.0	57.5

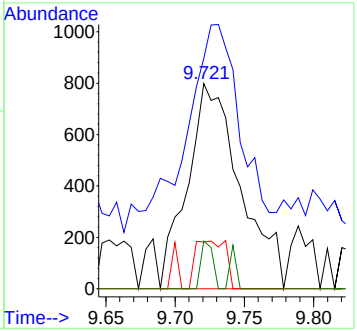


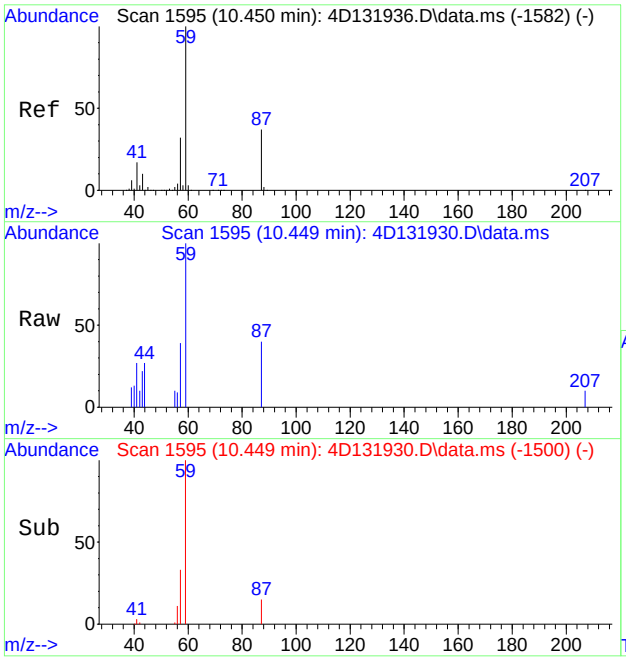


#31
hexane
Concen: 0.61 ug/L
RT: 9.721 min Scan# 1456
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 56 Resp: 2129

Ion	Ratio	Lower	Upper
56	100		
43	68.9	98.5	138.5#
71	22.8	0.0	30.3
86	23.3	7.7	47.7

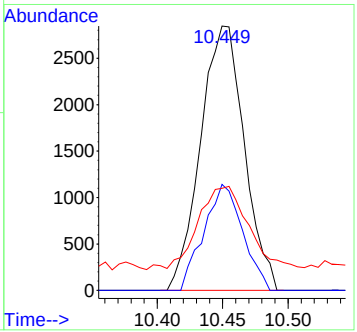


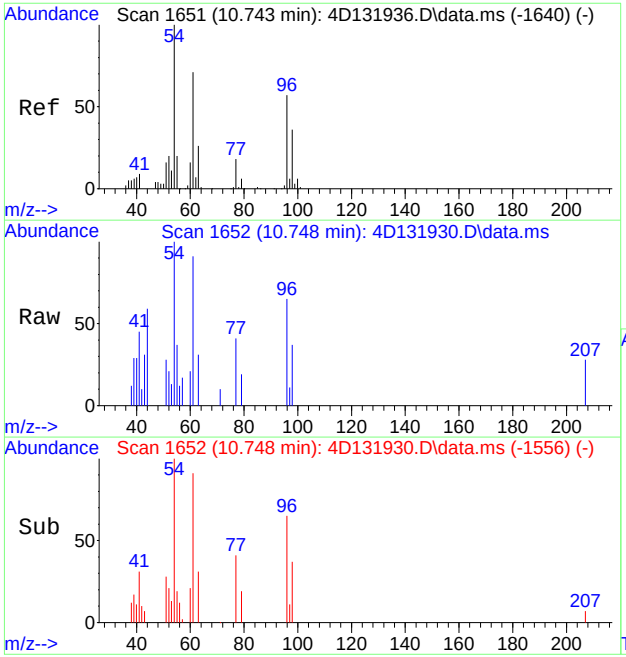


#33
ethyl tert-butyl ether
Concen: 0.44 ug/L
RT: 10.449 min Scan# 1595
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 59 Resp: 6635

Ion	Ratio	Lower	Upper
59	100		
87	40.1	6.6	66.6
57	29.2	2.2	62.2

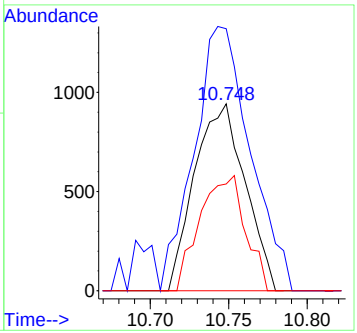


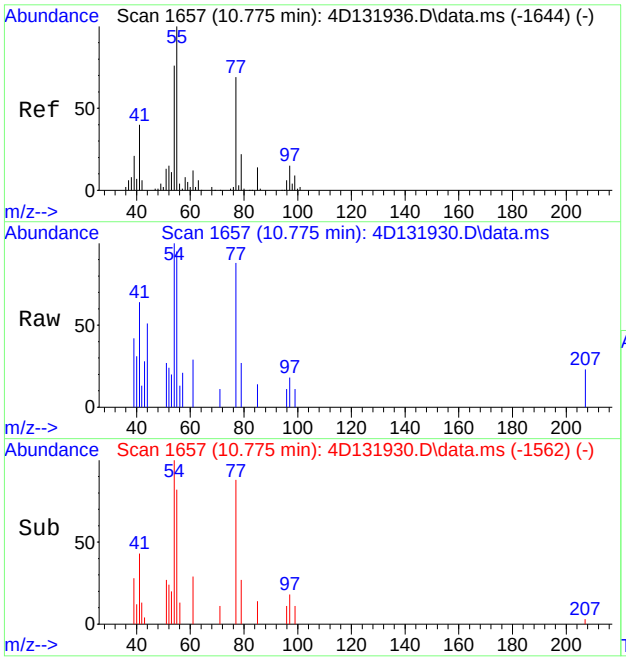


#36
cis-1,2-dichloroethene
Concen: 0.45 ug/L
RT: 10.748 min Scan# 1652
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 96 Resp: 2114

Ion	Ratio	Lower	Upper
96	100		
61	140.2	119.6	179.6
98	57.2	34.3	94.3

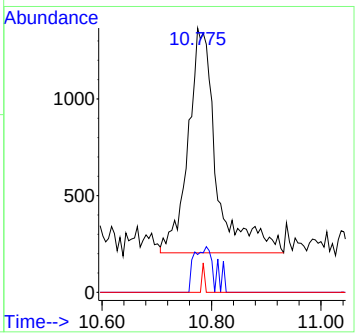


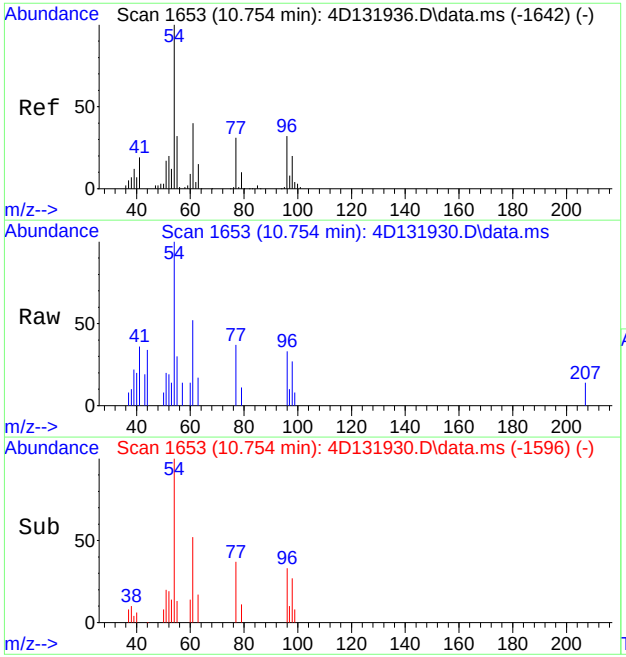


#37
methyl acrylate
Concen: 0.50 ug/L
RT: 10.775 min Scan# 1657
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 55 Resp: 4181

Ion	Ratio	Lower	Upper
55	100		
85	16.9	0.0	43.7
58	0.0	0.0	38.0

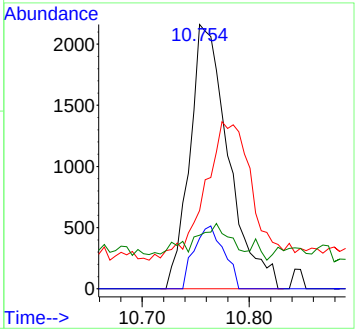


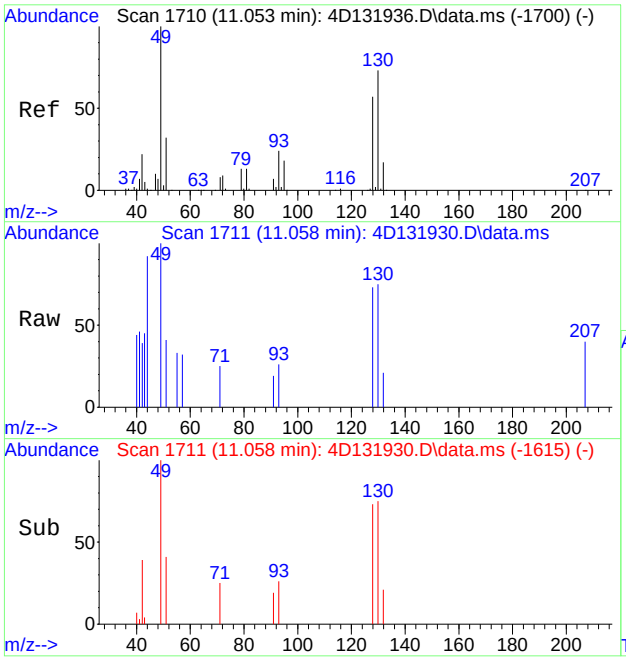


#38
propionitrile
Concen: 4.76 ug/L
RT: 10.754 min Scan# 1653
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 54 Resp: 5438

Ion	Ratio	Lower	Upper
54	100		
52	19.1	0.0	49.8
55	17.9	2.6	62.6
40	7.1	0.0	37.4

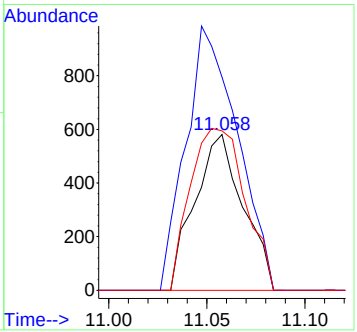


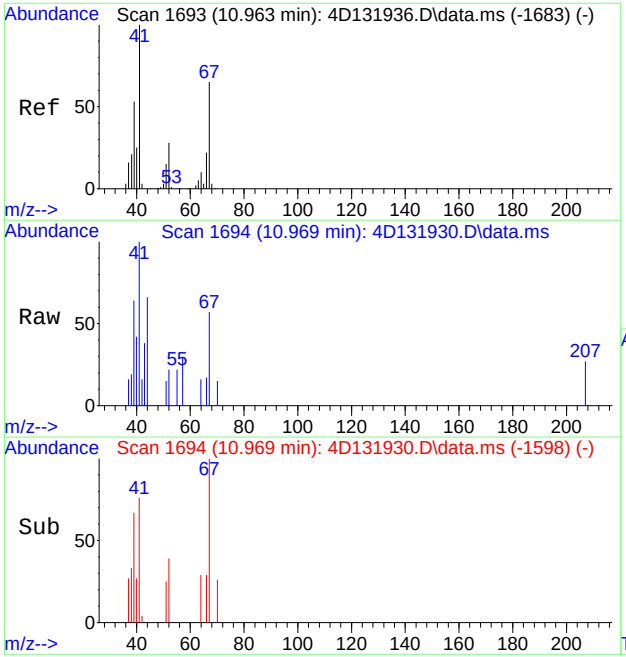


#39
bromochloromethane
Concen: 0.46 ug/L
RT: 11.058 min Scan# 1711
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:128 Resp: 996

Ion	Ratio	Lower	Upper
128	100		
49	136.8	145.9	205.9#
130	102.4	97.8	157.8

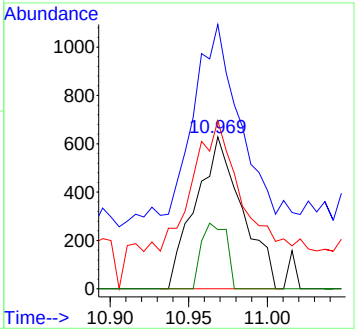


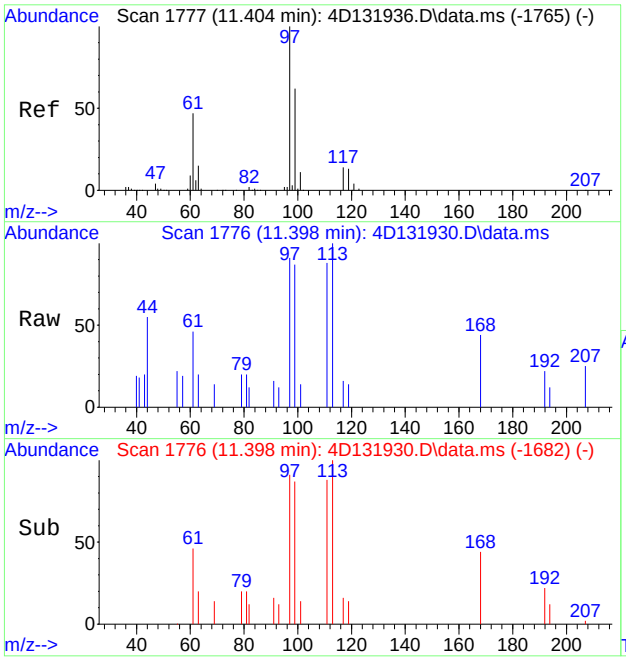


#44
methacrylonitrile
Concen: 0.51 ug/L
RT: 10.969 min Scan# 1694
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 67 Resp: 1295

Ion	Ratio	Lower	Upper
67	100		
41	125.8	123.0	183.0
39	86.0	50.9	110.9
52	39.0	12.9	72.9

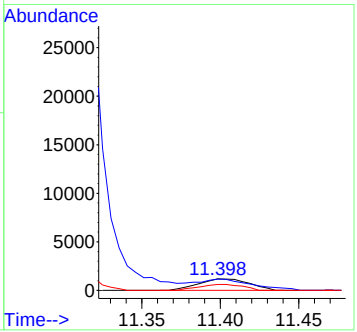


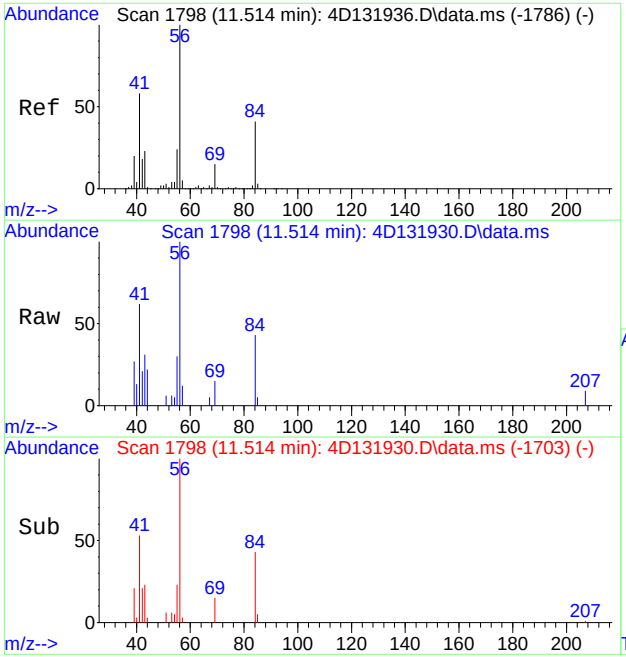


#45
1,1,1-trichloroethane
Concen: 0.45 ug/L
RT: 11.398 min Scan# 1776
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 97 Resp: 2681

Ion	Ratio	Lower	Upper
97	100		
99	76.7	34.4	94.4
61	50.7	16.6	76.6

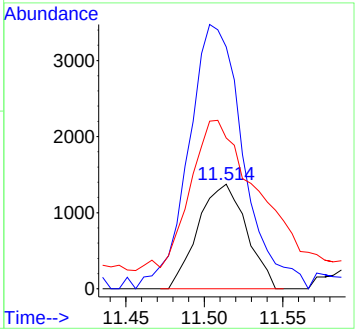


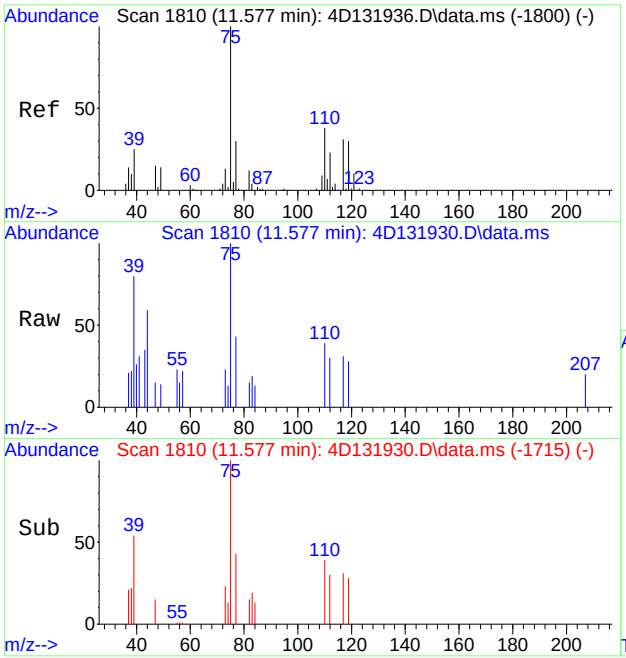


#46
cyclohexane
Concen: 0.52 ug/L
RT: 11.514 min Scan# 1798
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 84 Resp: 2949

Ion	Ratio	Lower	Upper
84	100		
56	210.6	225.3	265.3#
41	123.9	121.5	161.5

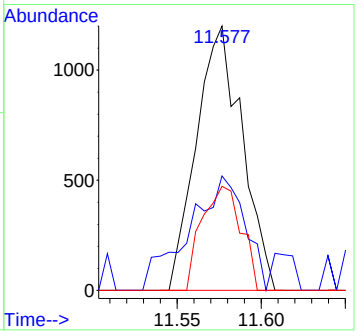


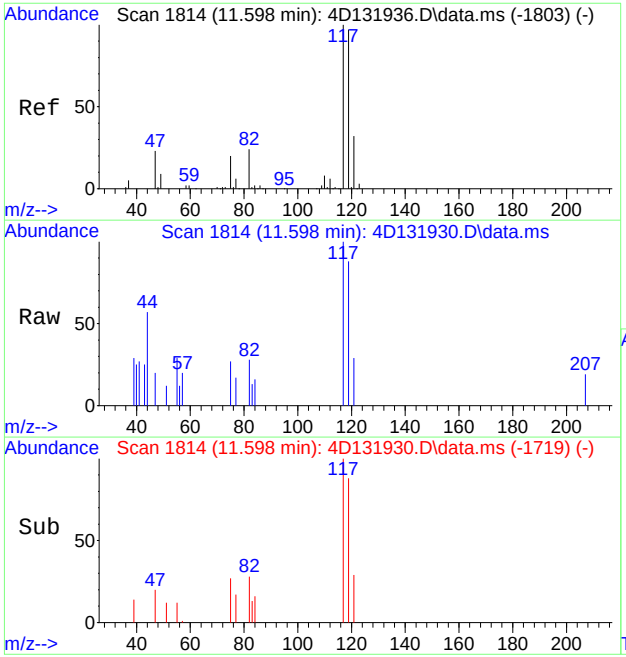


#47
1,1-dichloropropene
Concen: 0.44 ug/L
RT: 11.577 min Scan# 1810
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 75 Resp: 2269

Ion	Ratio	Lower	Upper
75	100		
77	30.3	11.0	51.0
110	39.4	17.6	57.6

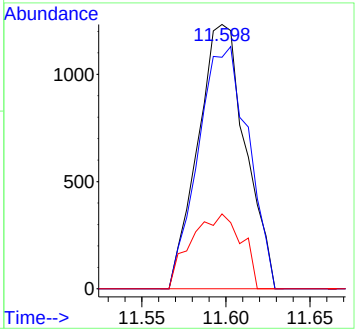


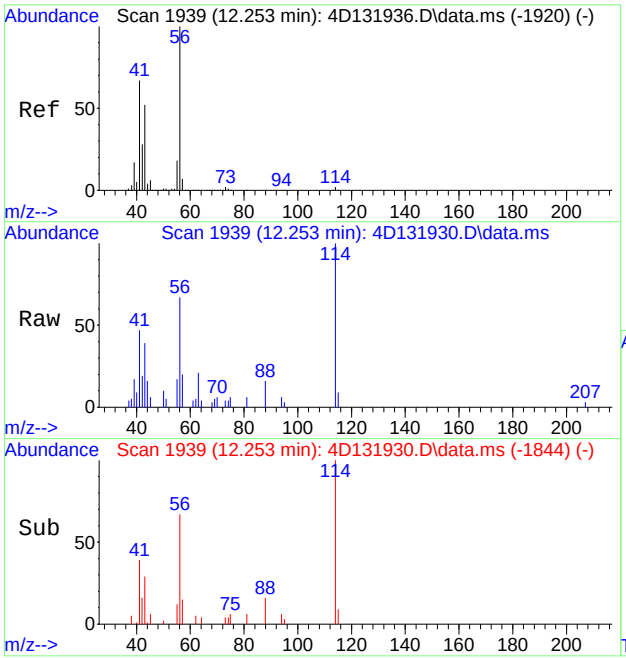


#49
carbon tetrachloride
Concen: 0.47 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:117 Resp: 2426

Ion	Ratio	Lower	Upper
117	100		
119	87.5	77.2	117.2
82	28.3	4.2	44.2

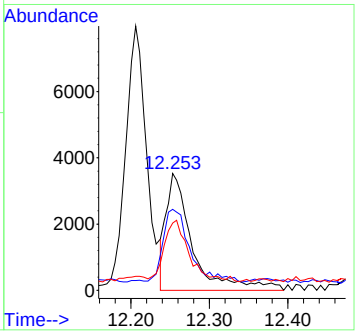


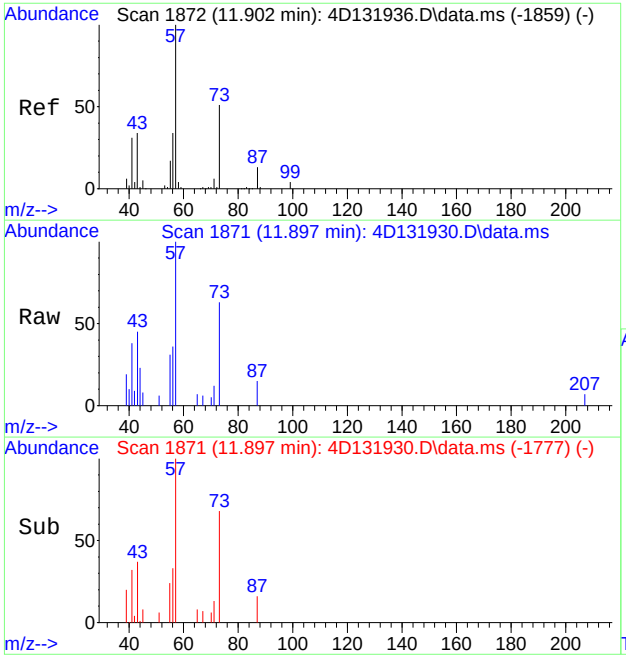


#53
n-butyl alcohol
Concen: 24.04 ug/L
RT: 12.253 min Scan# 1939
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 56 Resp: 8227

Ion	Ratio	Lower	Upper
56	100		
41	60.5	36.6	96.6
43	50.0	22.4	82.4

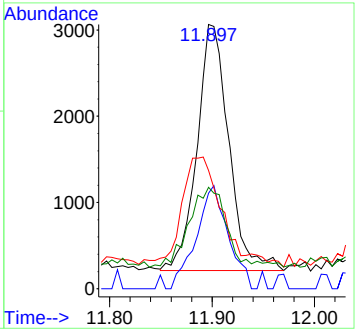


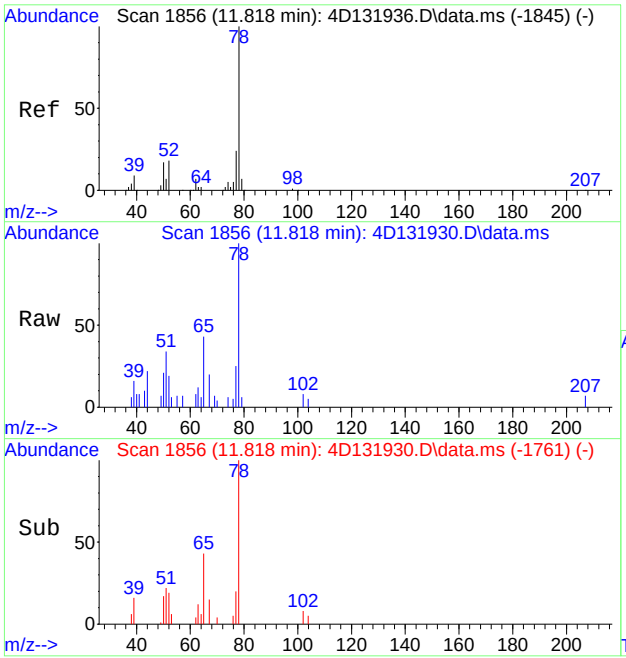


#54
2,2,4-trimethylpentane
Concen: 0.53 ug/L
RT: 11.897 min Scan# 1871
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 57 Resp: 6177

Ion	Ratio	Lower	Upper
57	100		
56	33.3	3.6	63.6
43	39.2	4.6	64.6
41	32.4	0.9	60.9

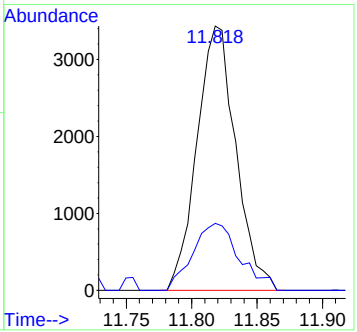


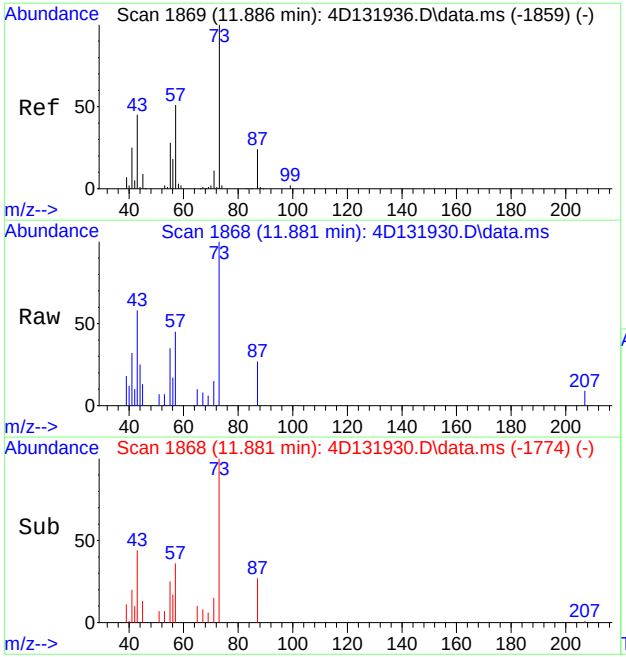


#55
benzene
Concen: 0.46 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 78 Resp: 7112

Ion	Ratio	Lower	Upper
78	100		
77	25.3	0.0	53.7

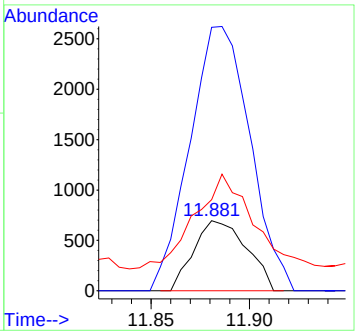


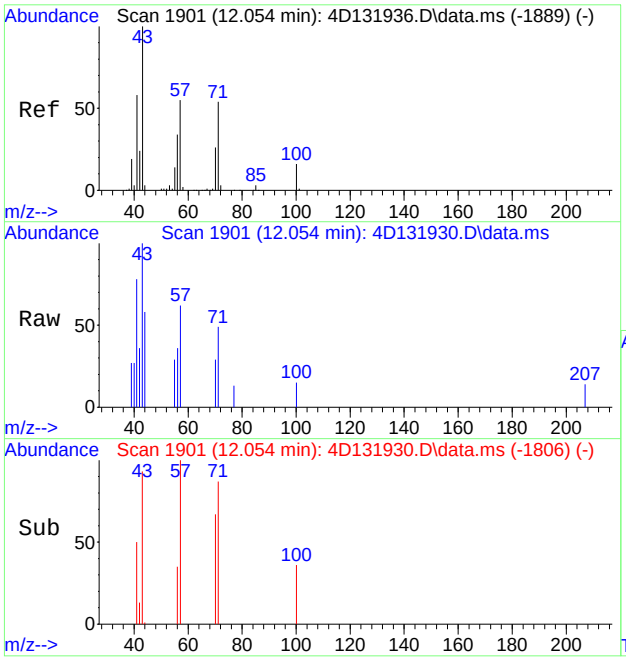


#56
tert-amyl methyl ether
Concen: 0.47 ug/L
RT: 11.881 min Scan# 1868
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 87 Resp: 1304

Ion	Ratio	Lower	Upper
87	100		
73	342.3	382.6	442.6#
55	89.4	85.4	145.4

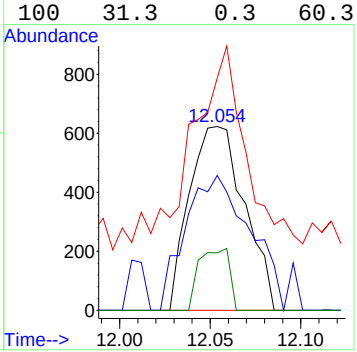


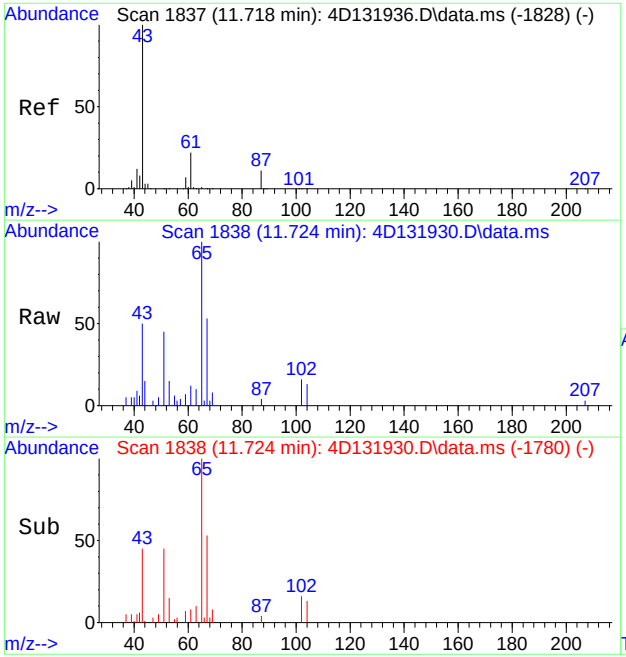


#57
heptane
Concen: 0.52 ug/L
RT: 12.054 min Scan# 1901
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 71 Resp: 1314

Ion	Ratio	Lower	Upper
71	100		
56	73.4	33.0	93.0
57	76.4	72.2	132.2
100	31.3	0.3	60.3

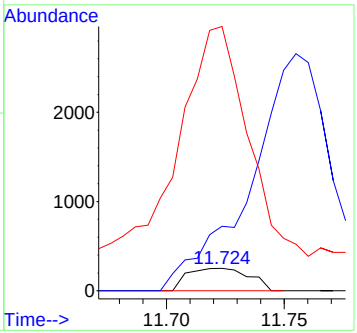


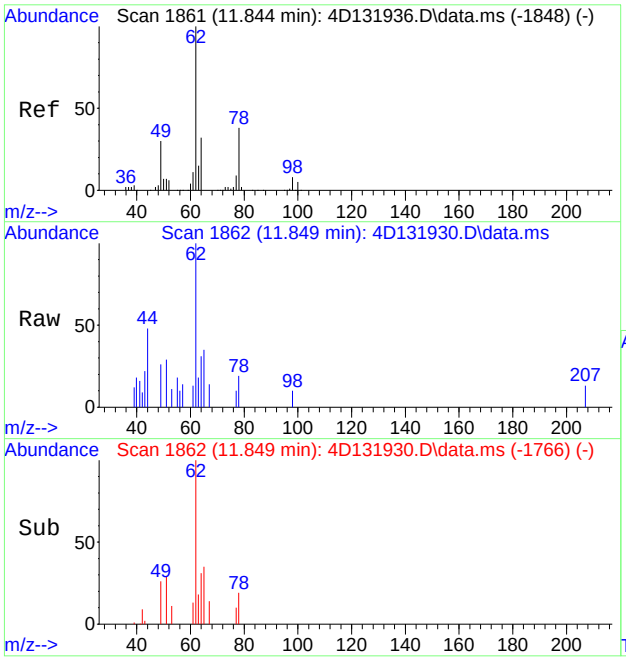


#58
isopropyl acetate
Concen: 0.44 ug/L
RT: 11.724 min Scan# 1838
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 87 Resp: 462

Ion	Ratio	Lower	Upper
87	100		
61	288.0	170.1	230.1#
43	946.2	919.0	979.0

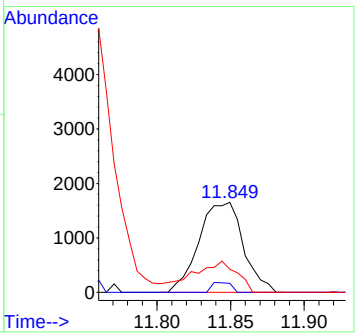


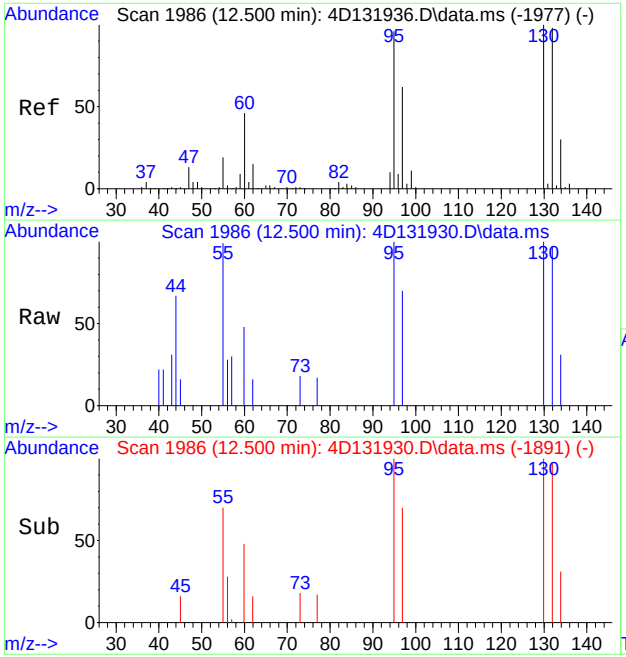


#59
1,2-dichloroethane
Concen: 0.54 ug/L
RT: 11.849 min Scan# 1862
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 62 Resp: 3461

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	38.5
49	25.6	1.1	61.1

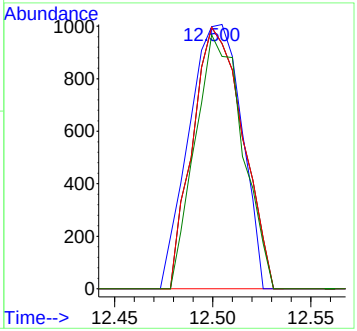


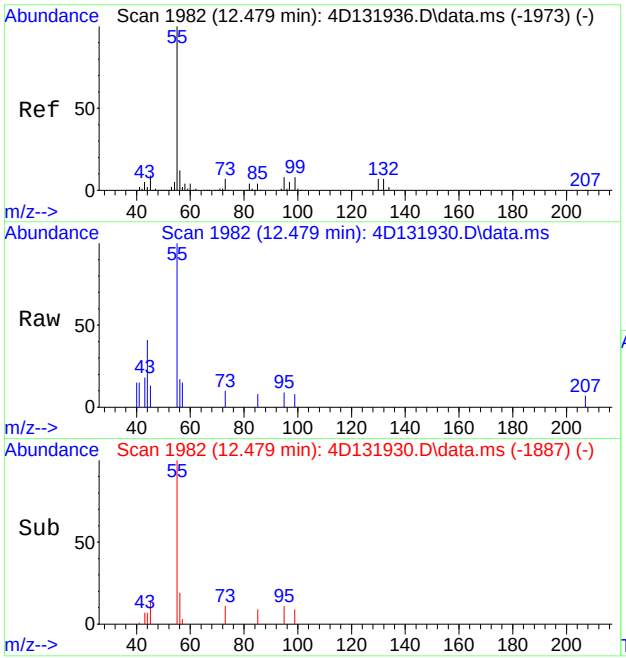


#60
trichloroethene
Concen: 0.43 ug/L
RT: 12.500 min Scan# 1986
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:130 Resp: 1768

Ion	Ratio	Lower	Upper
130	100		
95	100.2	65.8	125.8
130	100.0	70.0	130.0
132	97.1	67.8	127.8

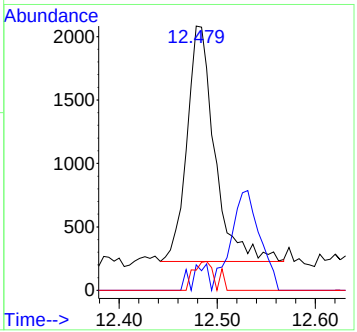


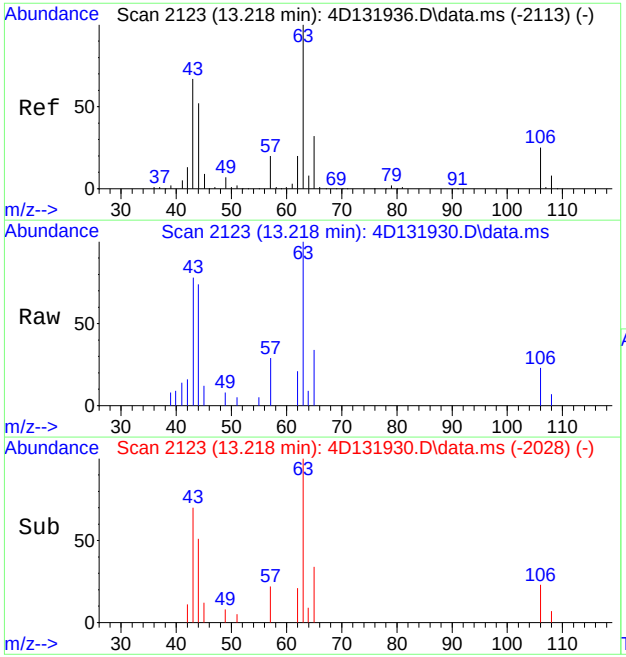


#61
ethyl acrylate
Concen: 0.45 ug/L
RT: 12.479 min Scan# 1982
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 55 Resp: 3664

Ion	Ratio	Lower	Upper
55	100		
73	10.9	0.0	26.5
99	8.5	0.0	27.5

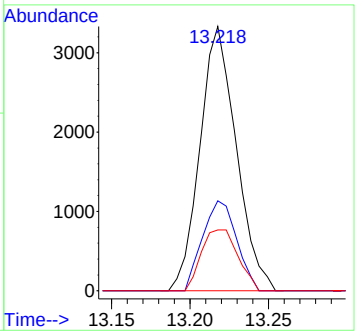


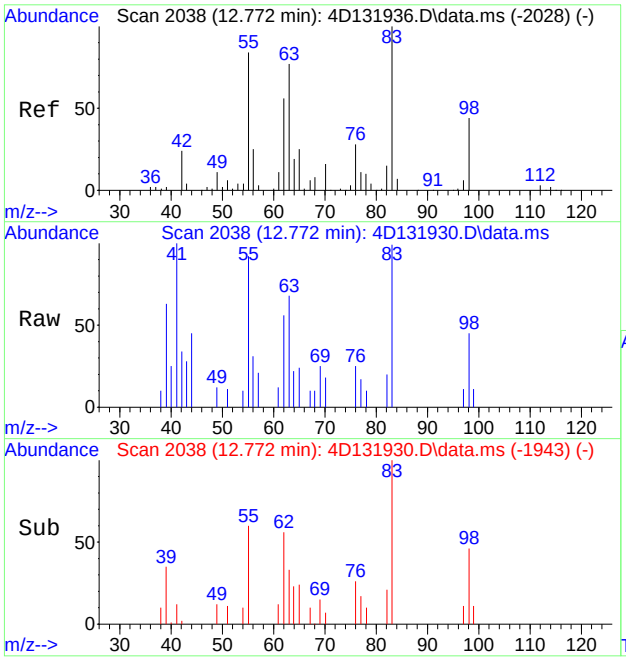


#63
2-chloroethyl vinyl ether
Concen: 2.15 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 63 Resp: 5367

Ion	Ratio	Lower	Upper
63	100		
65	34.1	1.7	61.7
106	23.0	0.0	55.3

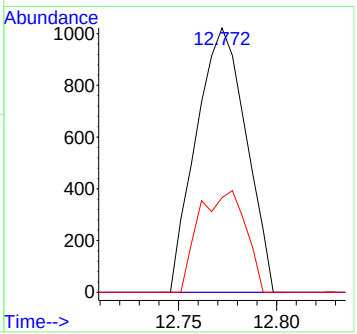


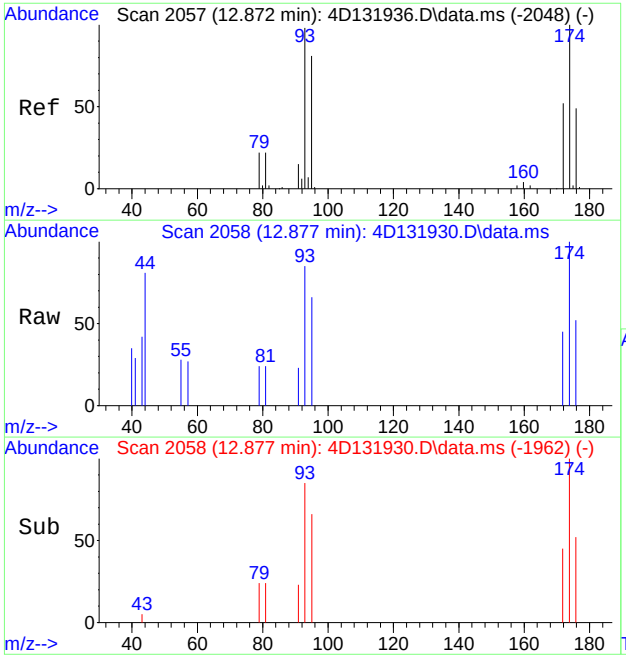


#65
1,2-dichloropropane
Concen: 0.45 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 63 Resp: 1808

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	33.7
65	35.8	1.9	61.9

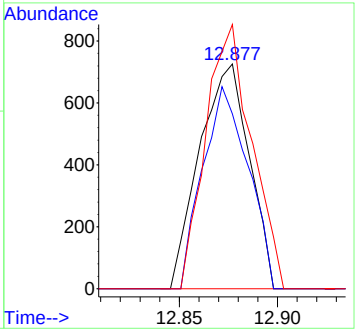


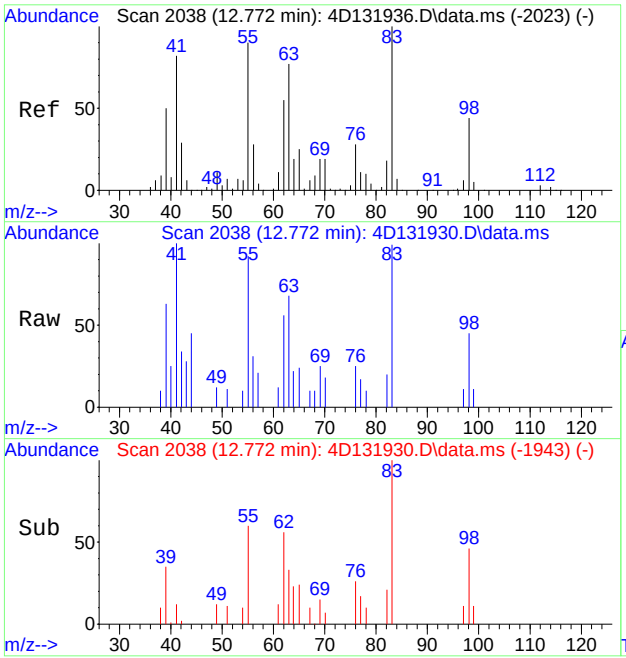


#66
dibromomethane
Concen: 0.48 ug/L
RT: 12.877 min Scan# 2058
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 93 Resp: 1281

Ion	Ratio	Lower	Upper
93	100		
95	77.8	52.6	112.6
174	117.6	72.4	132.4

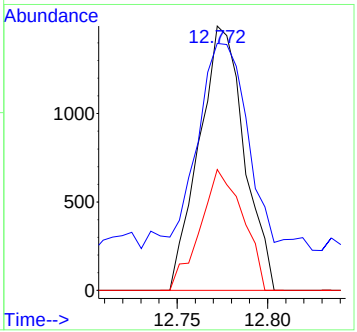


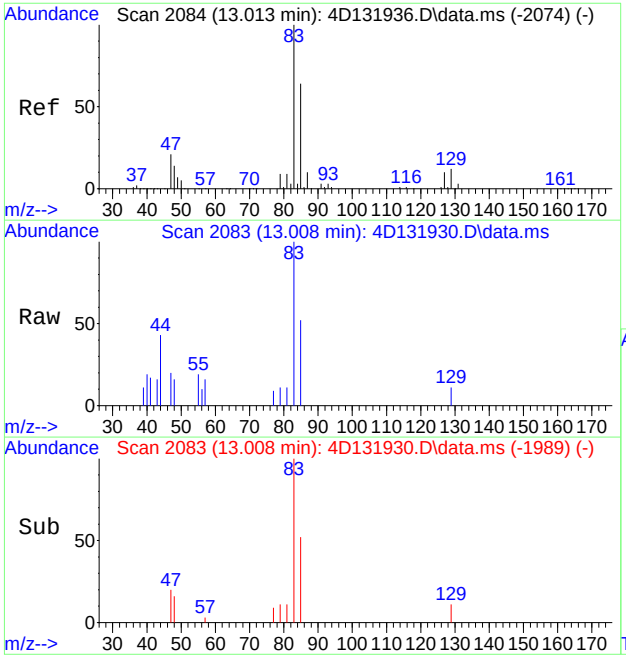


#67
methylcyclohexane
Concen: 0.43 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 83 Resp: 2582

Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.5	120.5
98	45.7	14.1	74.1

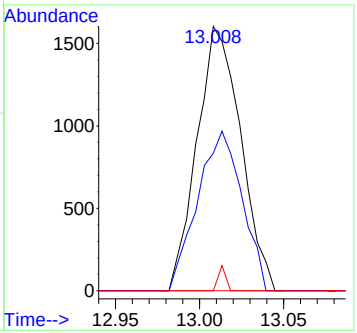


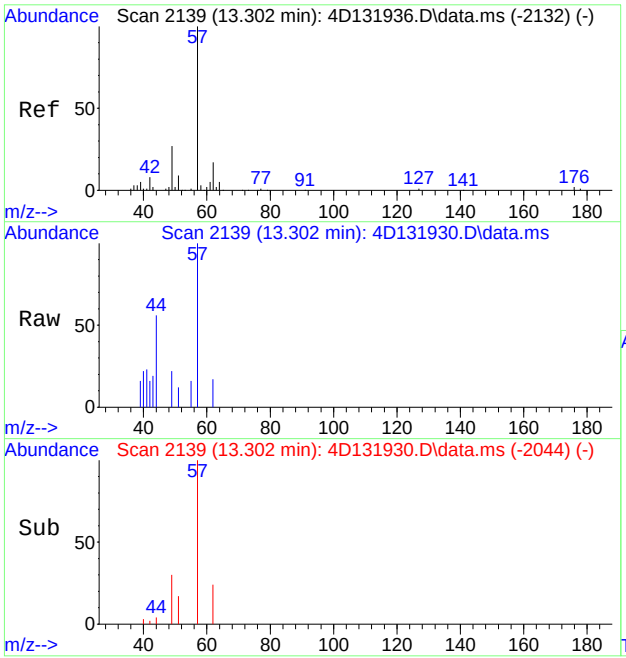


#68
bromodichloromethane
Concen: 0.51 ug/L
RT: 13.008 min Scan# 2083
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 83 Resp: 2900

Ion	Ratio	Lower	Upper
83	100		
85	52.0	34.4	94.4
127	0.0	0.0	39.7

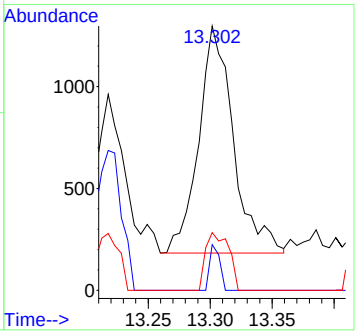


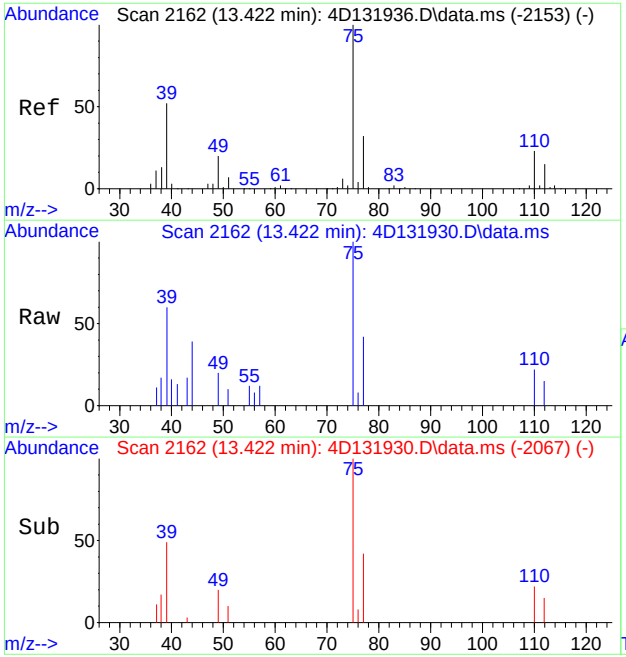


#69
epichlorohydrin
Concen: 2.69 ug/L
RT: 13.302 min Scan# 2139
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 57 Resp: 2175

Ion	Ratio	Lower	Upper
57	100		
62	20.2	0.0	37.4
49	25.5	6.8	46.8

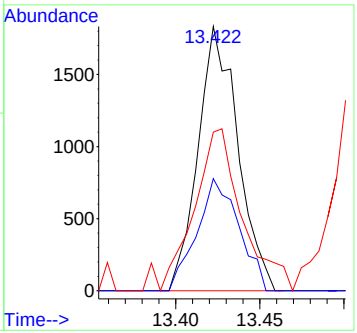


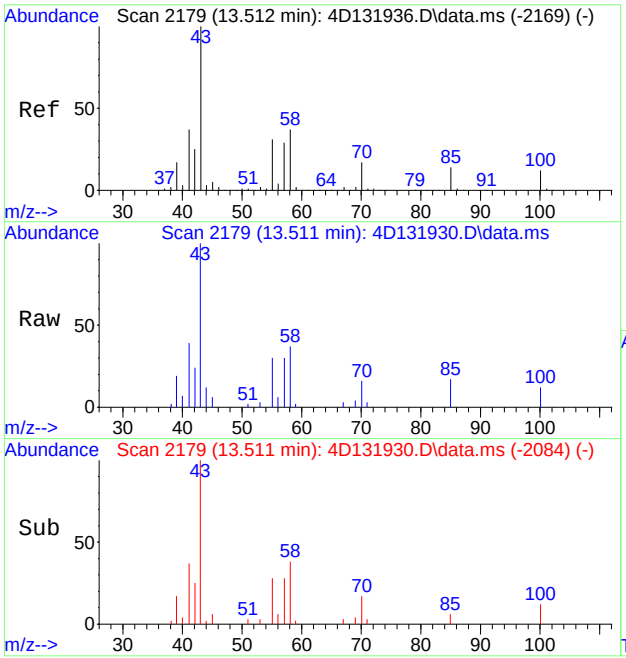


#70
cis-1,3-dichloropropene
Concen: 0.46 ug/L
RT: 13.422 min Scan# 2162
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 75 Resp: 3022

Ion	Ratio	Lower	Upper
75	100		
77	42.4	1.9	61.9
39	60.0	22.1	82.1

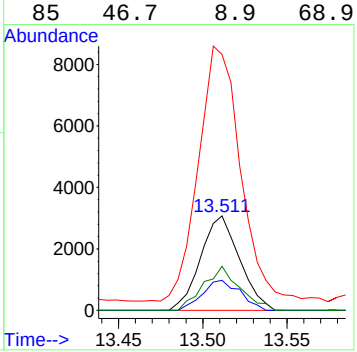


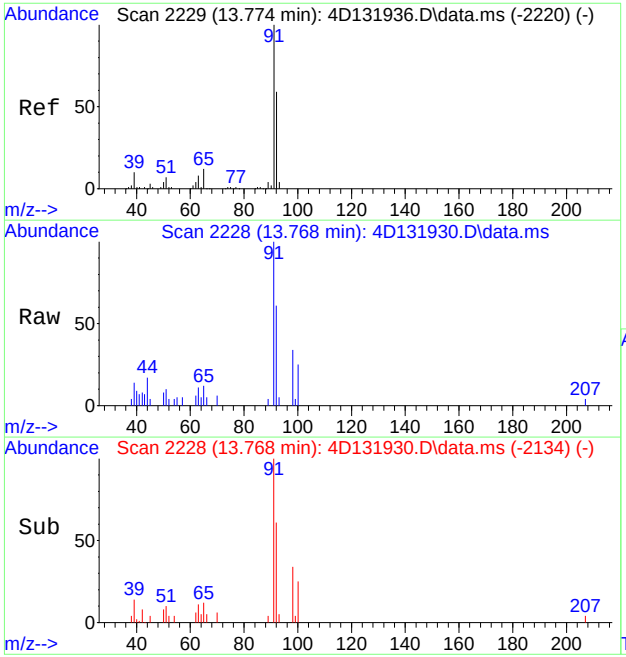


#71
4-methyl-2-pentanone
Concen: 1.96 ug/L
RT: 13.511 min Scan# 2179
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 58 Resp: 4963

Ion	Ratio	Lower	Upper
58	100		
100	31.9	2.6	62.6
43	261.1	244.0	304.0
85	46.7	8.9	68.9

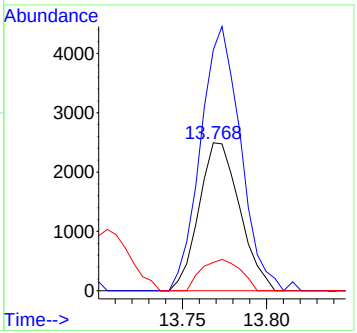


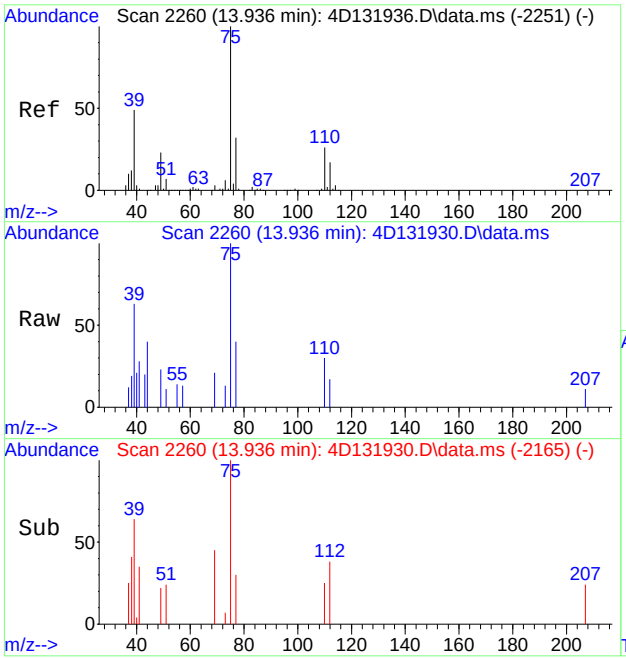


#75
toluene
Concen: 0.45 ug/L
RT: 13.768 min Scan# 2228
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 92 Resp: 4217

Ion	Ratio	Lower	Upper
92	100		
91	162.7	150.1	190.1
65	19.2	0.0	39.8

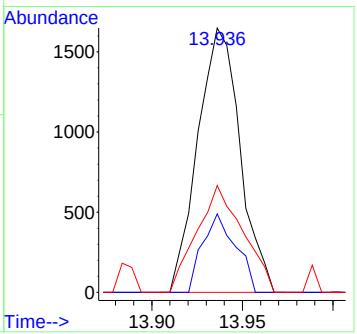


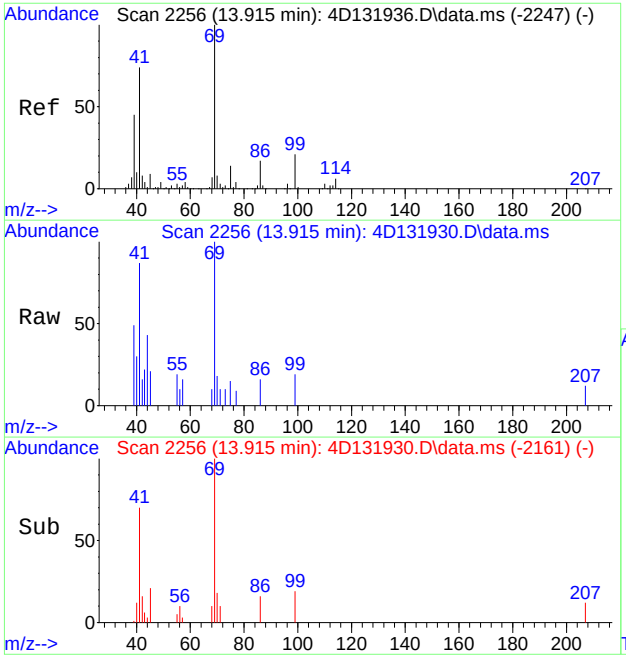


#76
trans-1,3-dichloropropene
Concen: 0.44 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 75 Resp: 2670

Ion	Ratio	Lower	Upper
75	100		
110	29.7	5.6	45.6
77	40.4	12.5	52.5

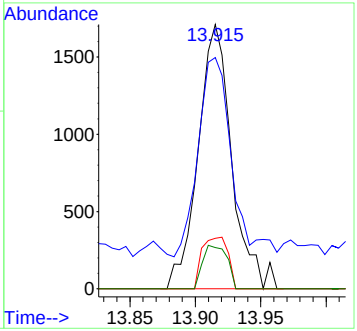


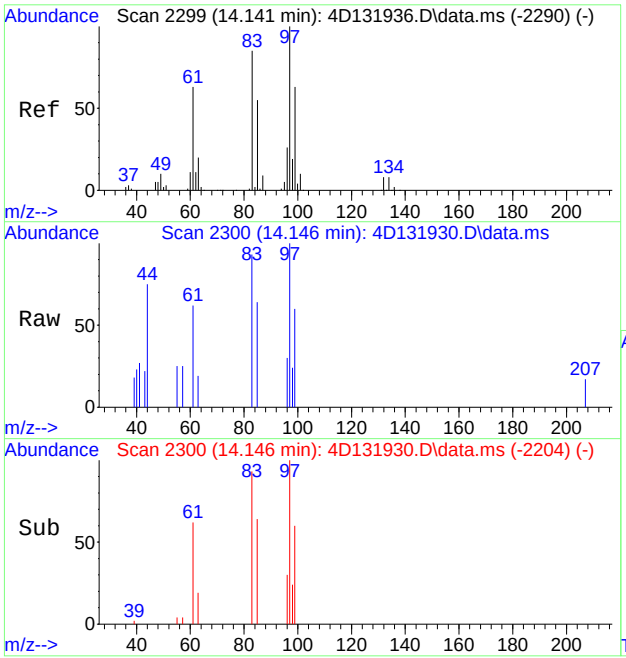


#77
ethyl methacrylate
Concen: 0.51 ug/L
RT: 13.915 min Scan# 2256
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 69 Resp: 3064

Ion	Ratio	Lower	Upper
69	100		
41	72.1	53.7	93.7
99	19.1	0.5	40.5
86	15.7	0.0	36.5

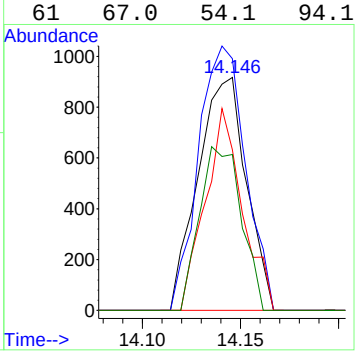


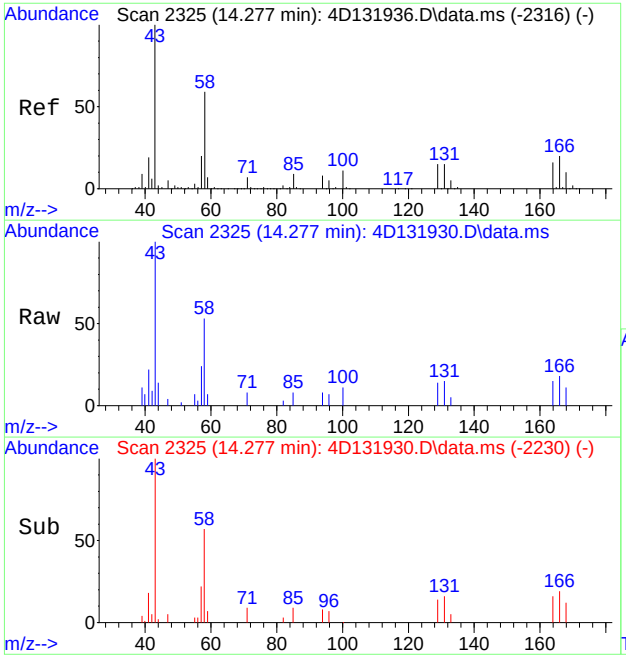


#78
1,1,2-trichloroethane
Concen: 0.50 ug/L
RT: 14.146 min Scan# 2300
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 83 Resp: 1575

Ion	Ratio	Lower	Upper
83	100		
97	108.1	98.0	138.0
85	68.9	44.8	84.8
61	67.0	54.1	94.1

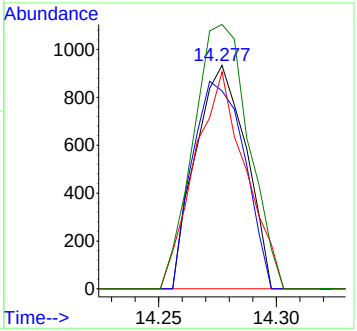


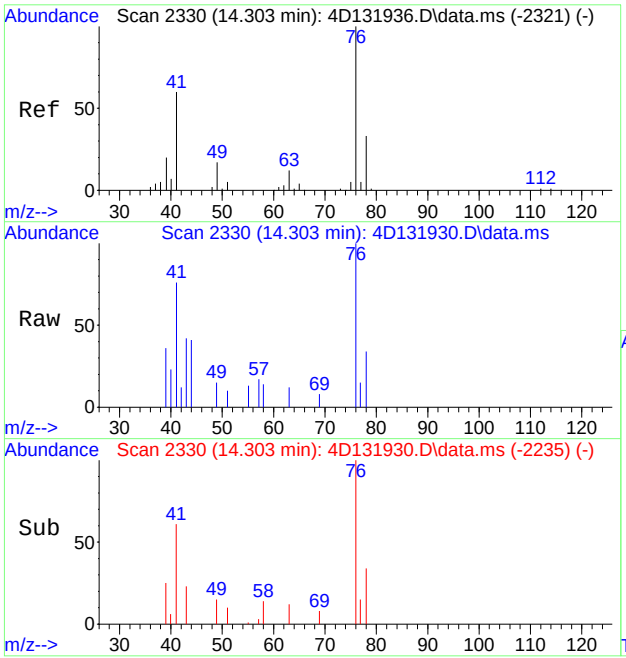


#79
tetrachloroethene
Concen: 0.45 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:164 Resp: 1388

Ion	Ratio	Lower	Upper
164	100		
129	88.5	63.3	123.3
131	97.1	59.8	119.8
166	118.3	95.2	155.2

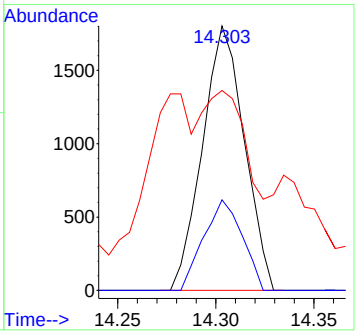


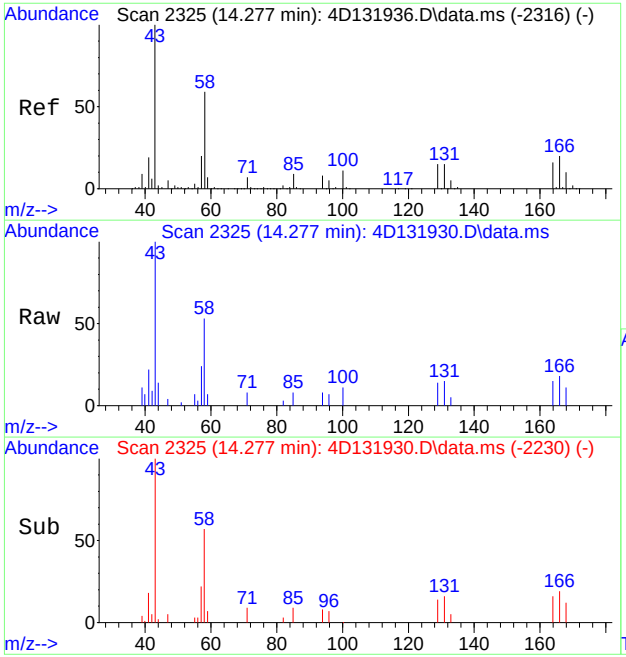


#80
1,3-dichloropropane
Concen: 0.48 ug/L
RT: 14.303 min Scan# 2330
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 76 Resp: 2672

Ion	Ratio	Lower	Upper
76	100		
78	34.2	2.5	62.5
41	32.1	40.0	100.0#

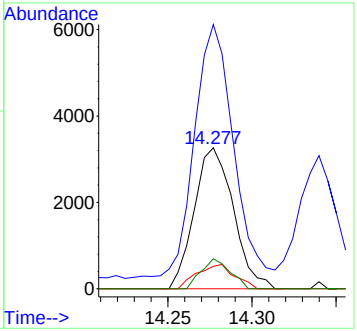


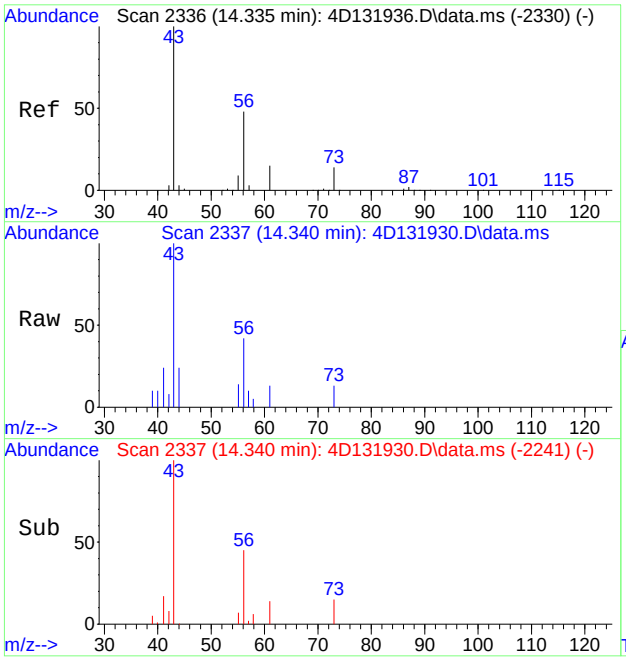


#81
2-hexanone
Concen: 1.94 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 58 Resp: 5285

Ion	Ratio	Lower	Upper
58	100		
43	178.4	149.1	189.1
85	15.9	0.0	34.7
100	21.4	0.0	38.3

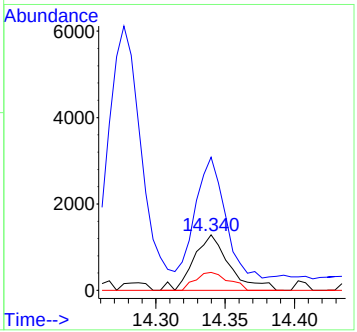


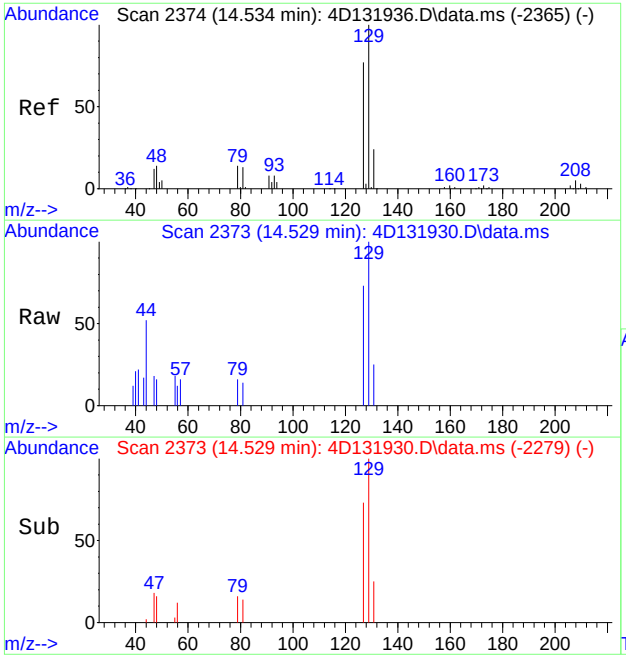


#82
butyl acetate
Concen: 0.61 ug/L
RT: 14.340 min Scan# 2337
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 56 Resp: 2308

Ion	Ratio	Lower	Upper
56	100		
43	212.2	196.2	256.2
73	32.1	0.0	59.9

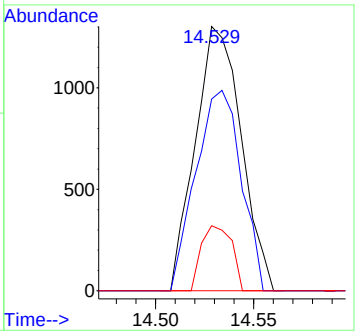


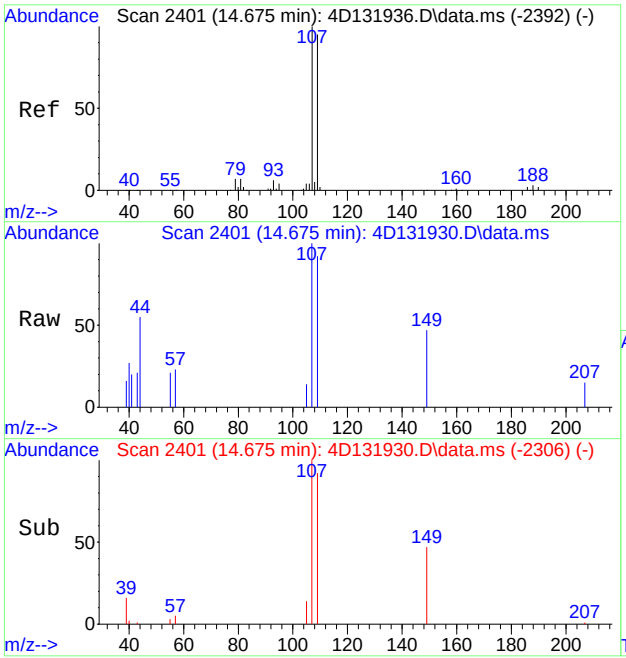


#83
dibromochloromethane
Concen: 0.48 ug/L
RT: 14.529 min Scan# 2373
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:129 Resp: 2125

Ion	Ratio	Lower	Upper
129	100		
127	72.5	47.2	107.2
131	24.6	0.0	54.4

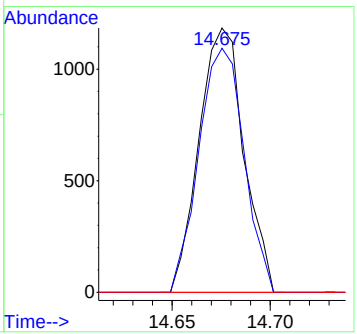


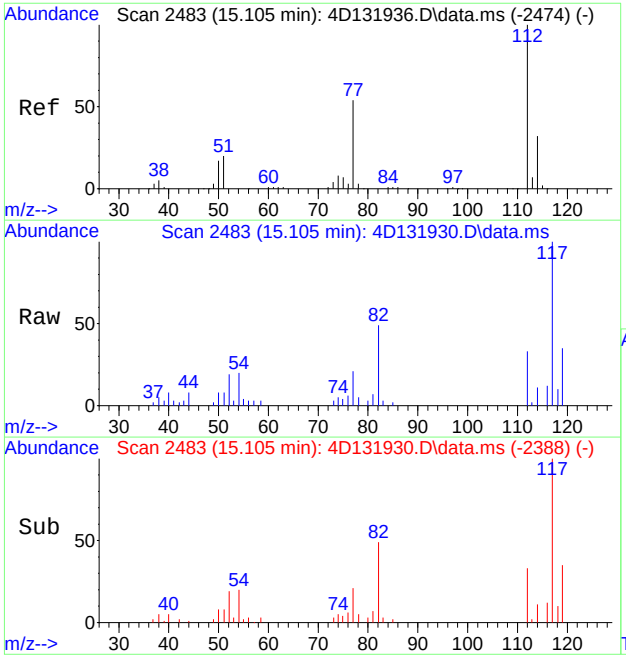


#84
1,2-dibromoethane
Concen: 0.45 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:107 Resp: 1884

Ion	Ratio	Lower	Upper
107	100		
109	92.3	65.1	125.1
188	0.0	0.0	33.2

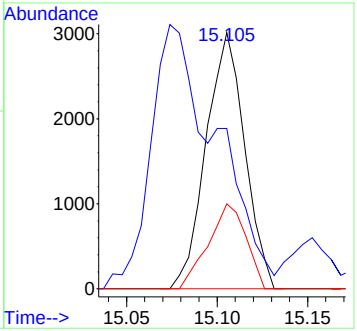


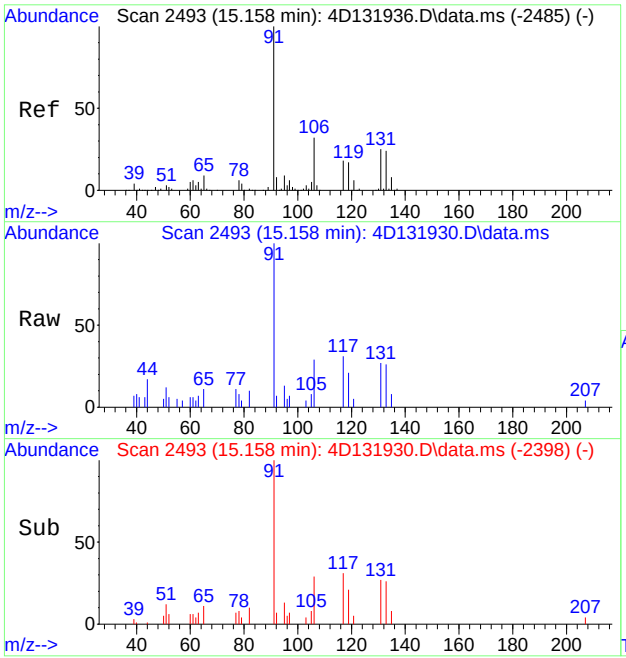


#86
chlorobenzene
Concen: 0.43 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:112 Resp: 4460

Ion	Ratio	Lower	Upper
112	100		
77	52.3	23.8	83.8
114	33.2	2.2	62.2

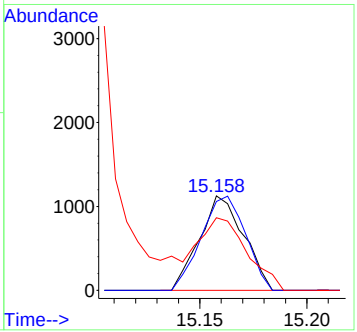


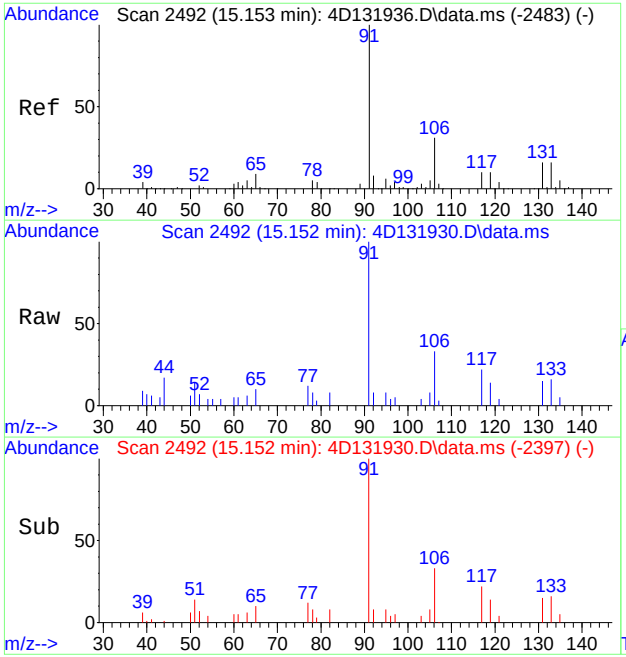


#87
1,1,1,2-tetrachloroethane
Concen: 0.45 ug/L
RT: 15.158 min Scan# 2493
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:131 Resp: 1616

Ion	Ratio	Lower	Upper
131	100		
133	94.0	66.4	126.4
119	76.7	37.8	97.8

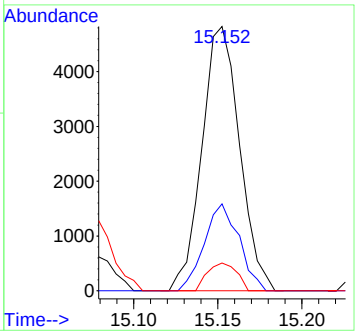


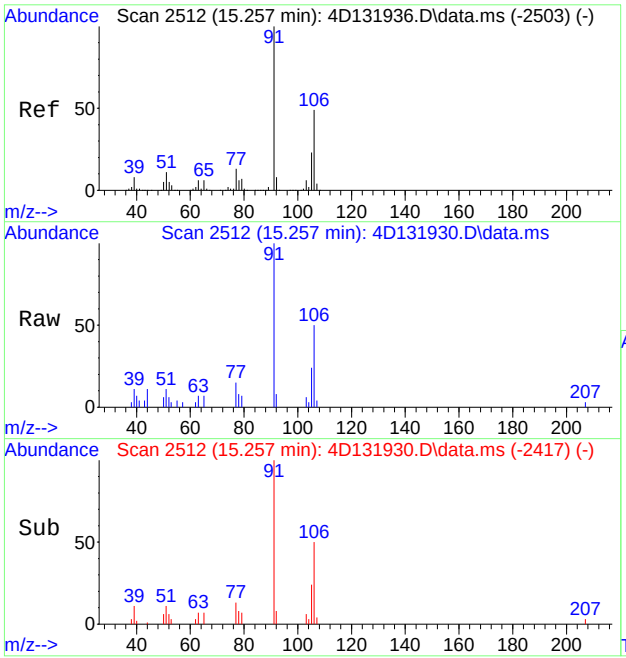


#88
ethylbenzene
Concen: 0.44 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 91 Resp: 7523

Ion	Ratio	Lower	Upper
91	100		
106	32.8	1.3	61.3
65	10.5	0.0	39.1

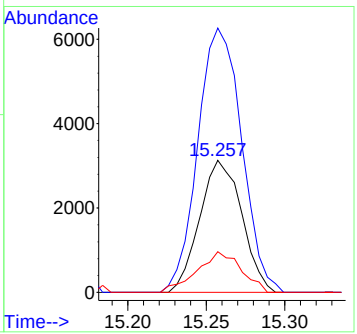


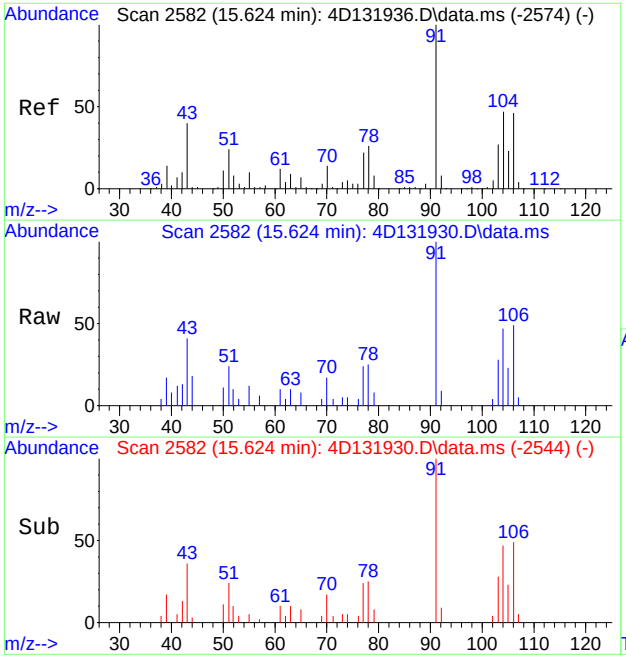


#89
m,p-xylene
Concen: 0.89 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:106 Resp: 5855

Ion	Ratio	Lower	Upper
106	100		
91	200.2	173.6	233.6
77	30.9	5.6	45.6

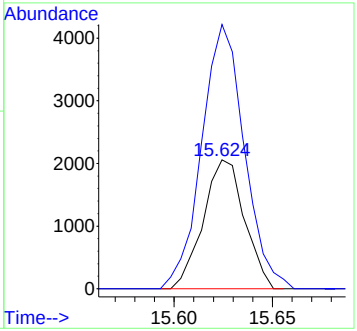


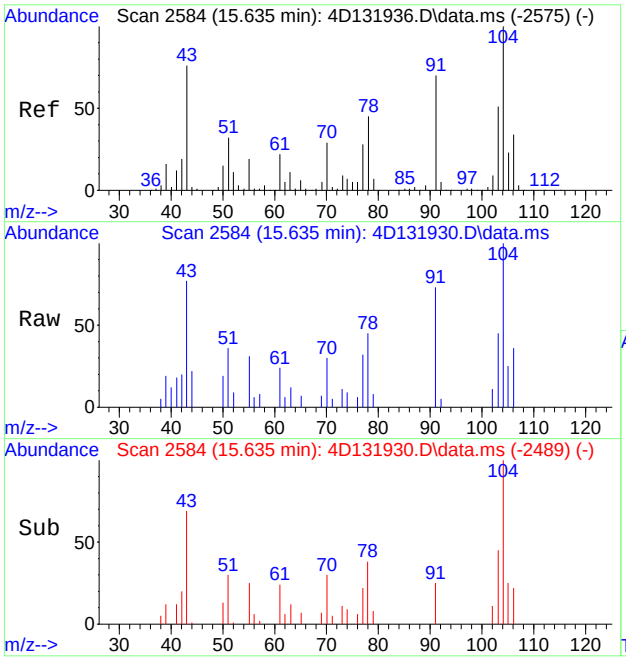


#90
o-xylene
Concen: 0.48 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:106 Resp: 3010

Ion	Ratio	Lower	Upper
106	100		
91	205.2	188.2	248.2

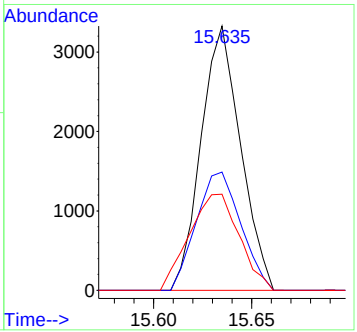




#91
styrene
Concen: 0.43 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

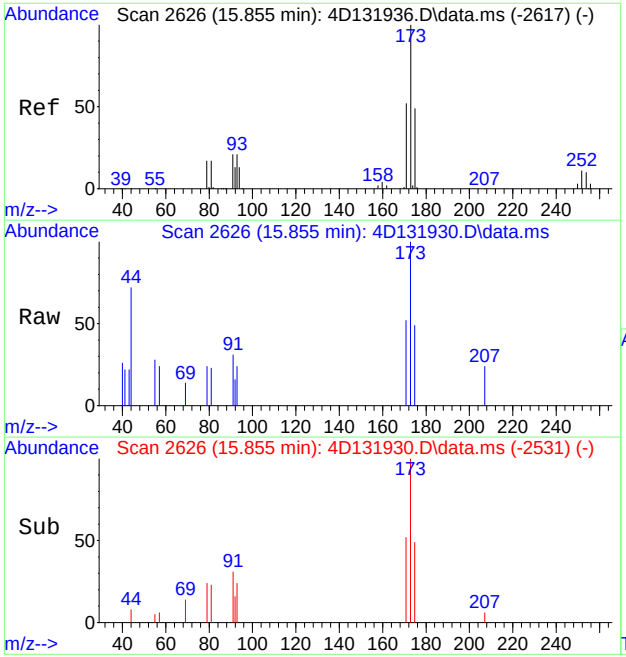
Tgt Ion:104 Resp: 4667

Ion	Ratio	Lower	Upper
104	100		
78	44.7	14.9	74.9
51	36.4	2.1	62.1



7.6.2

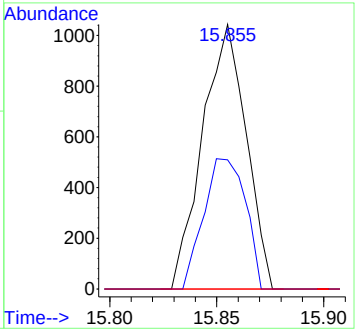
7

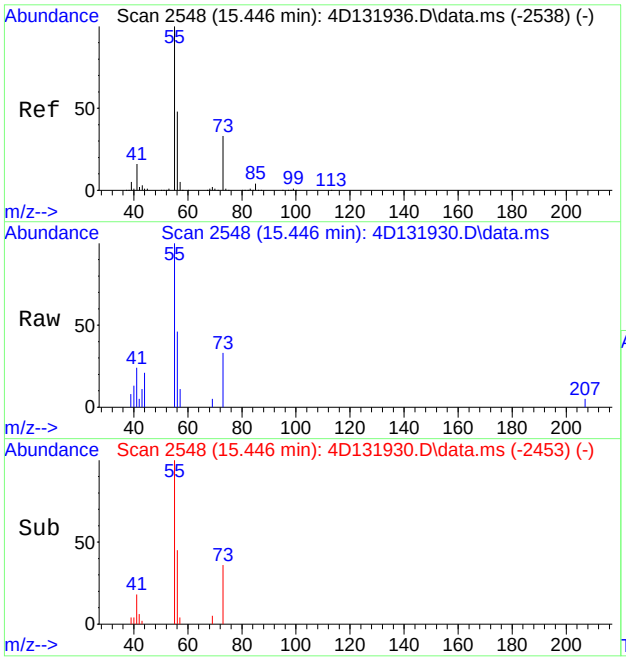


#92
bromoform
Concen: 0.47 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:173 Resp: 1480

Ion	Ratio	Lower	Upper
173	100		
175	48.8	18.7	78.7
254	0.0	0.0	40.1

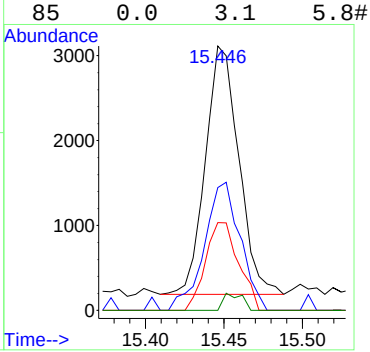


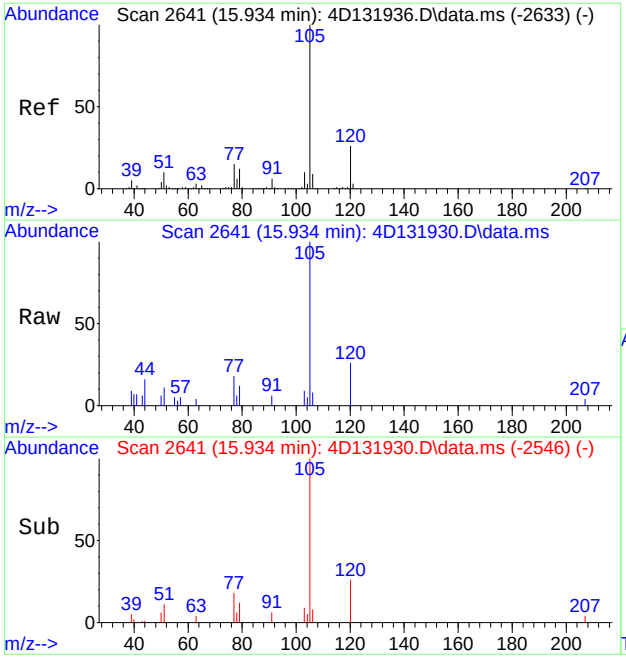


#93
butyl acrylate
Concen: 0.45 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 55 Resp: 4332

Ion	Ratio	Lower	Upper
55	100		
56	49.5	33.5	62.1
73	35.4	23.2	43.2
85	0.0	3.1	5.8#

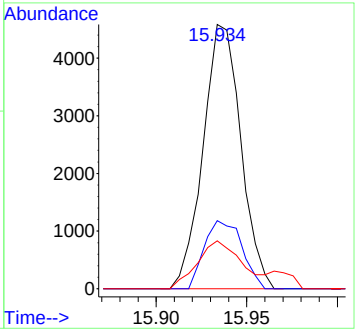


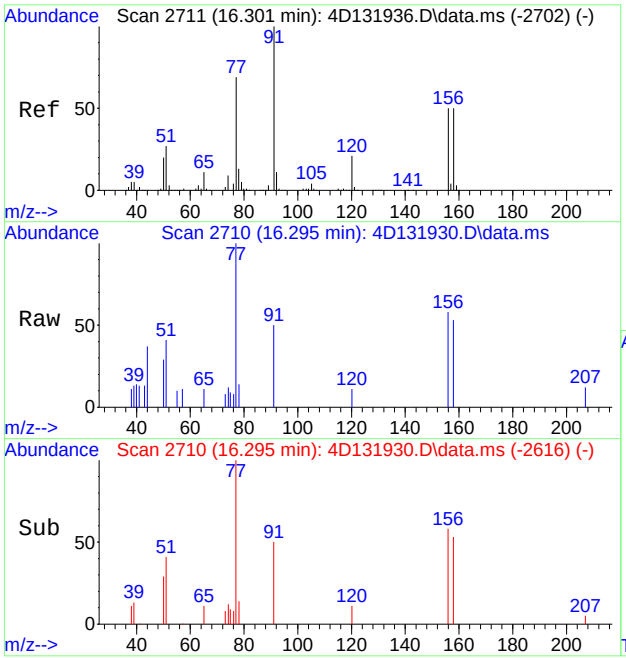


#94
isopropylbenzene
Concen: 0.44 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:105 Resp: 6640

Ion	Ratio	Lower	Upper
105	100		
120	25.8	5.9	45.9
77	18.1	0.0	34.7

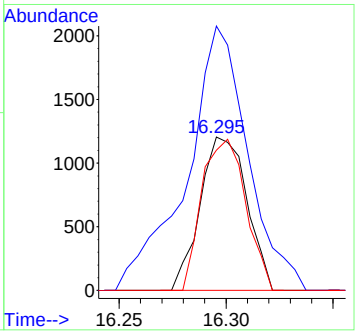


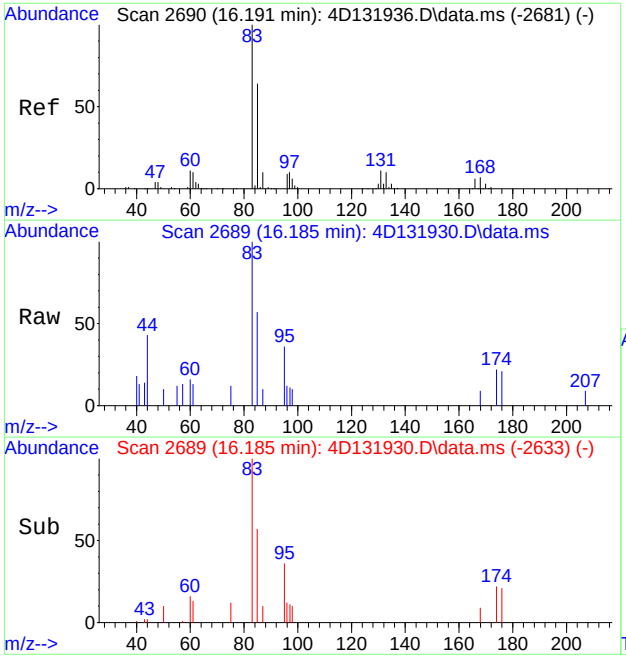


#98
bromobenzene
Concen: 0.46 ug/L
RT: 16.295 min Scan# 2710
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:156 Resp: 1832

Ion	Ratio	Lower	Upper
156	100		
77	151.0	114.1	174.1
158	91.5	69.3	129.3

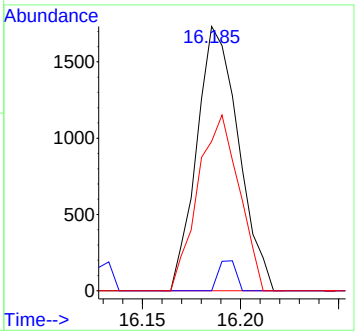


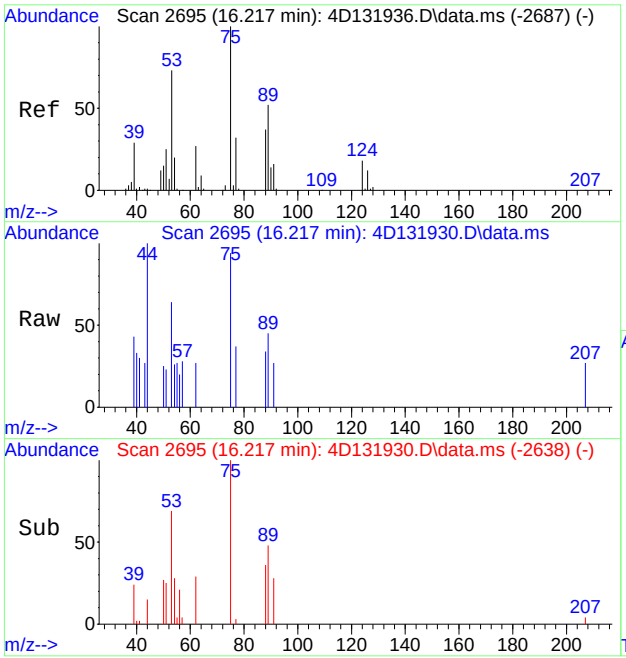


#99
1,1,2,2-tetrachloroethane
Concen: 0.49 ug/L
RT: 16.185 min Scan# 2689
Delta R.T. -0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 83 Resp: 2566

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	40.7
85	56.5	33.7	93.7

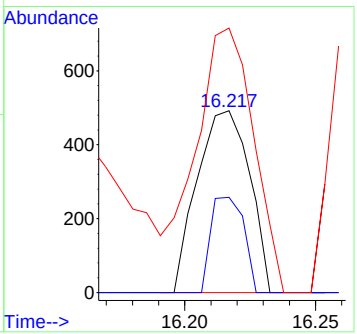


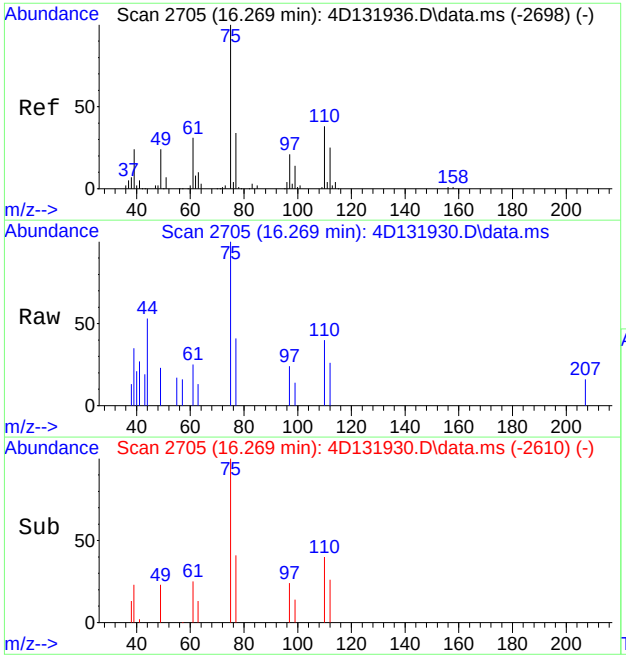


#100
trans-1,4-dichloro-2-butene
Concen: 0.44 ug/L
RT: 16.217 min Scan# 2695
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 53 Resp: 687

Ion	Ratio	Lower	Upper
53	100		
88	52.4	20.8	80.8
75	145.5	106.5	166.5

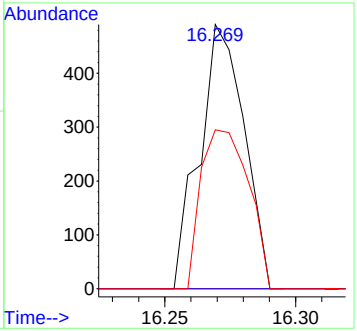


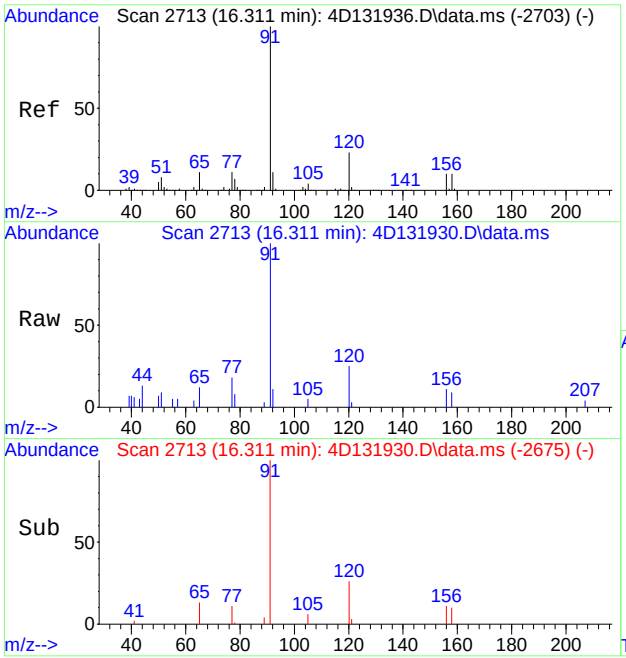


#101
1,2,3-trichloropropane
Concen: 0.43 ug/L
RT: 16.269 min Scan# 2705
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:110 Resp: 585

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	40.4
97	60.1	25.6	85.6

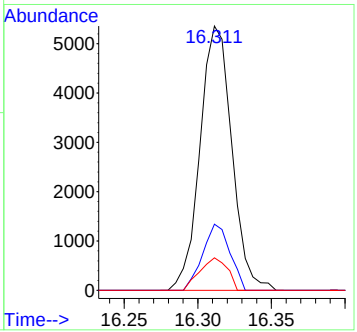


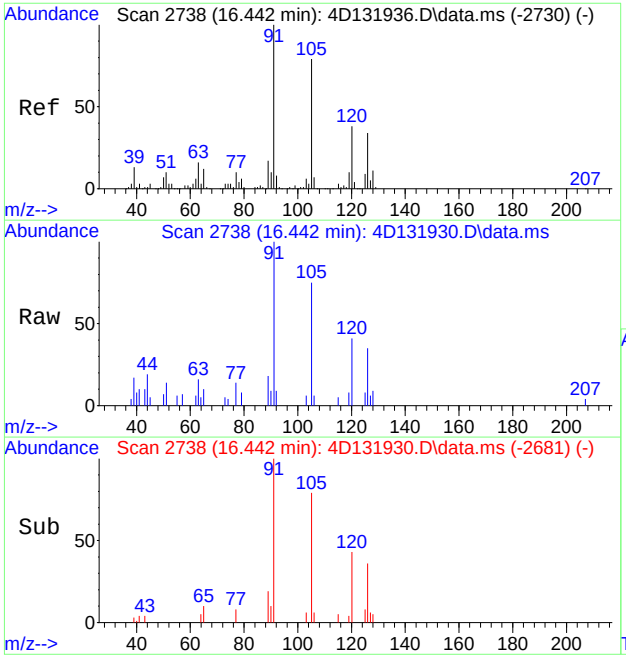


#102
n-propylbenzene
Concen: 0.45 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 91 Resp: 8056

Ion	Ratio	Lower	Upper
91	100		
120	25.0	0.0	53.1
65	12.4	0.0	40.8

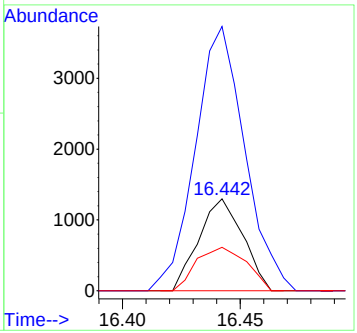


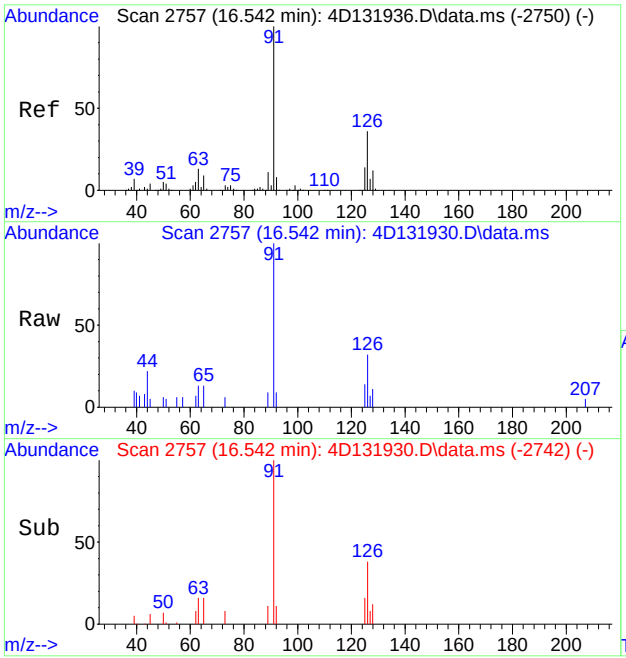


#103
2-chlorotoluene
Concen: 0.45 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:126 Resp: 1695

Ion	Ratio	Lower	Upper
126	100		
91	273.6	265.9	325.9
63	47.4	18.3	78.3

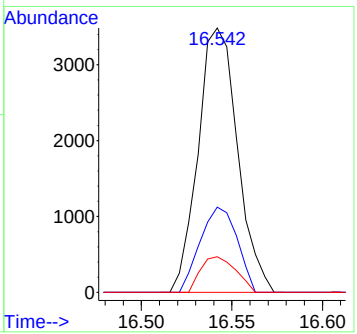


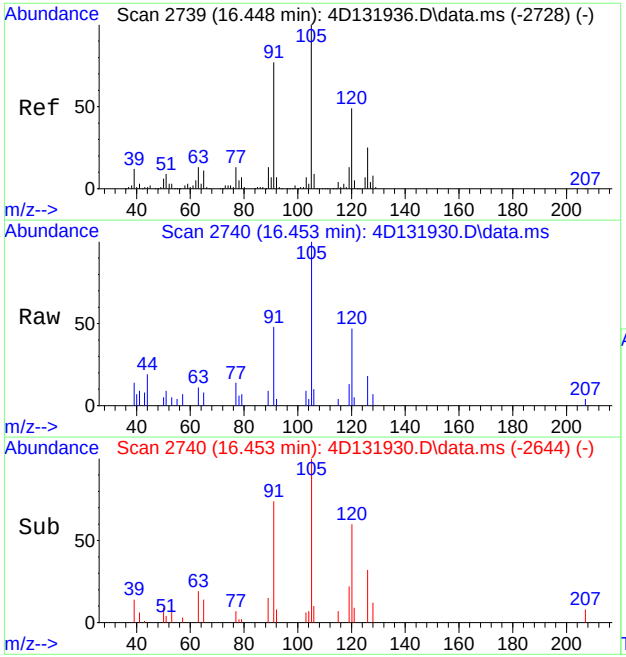


#104
4-chlorotoluene
Concen: 0.43 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 91 Resp: 5264

Ion	Ratio	Lower	Upper
91	100		
126	32.2	5.5	65.5
63	13.5	0.0	42.5

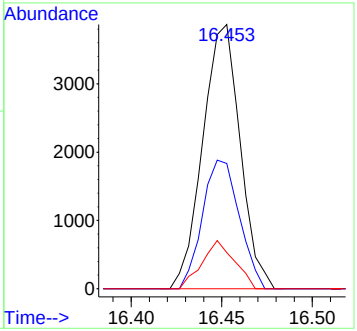


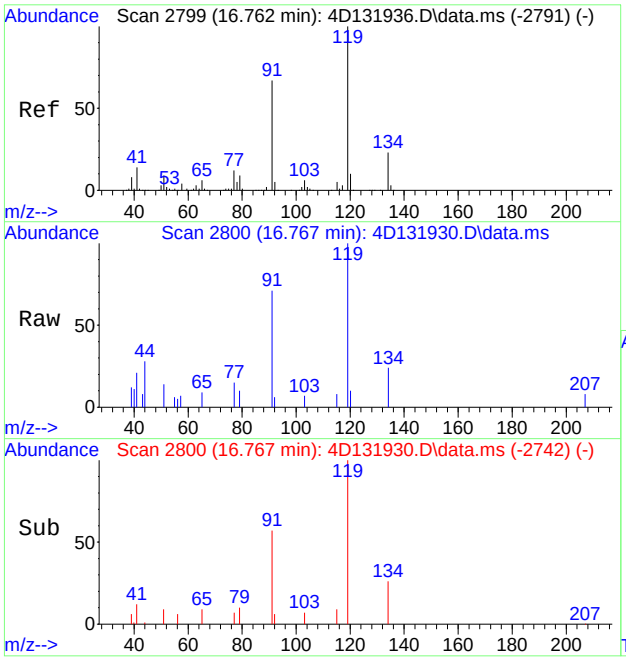


#105
1,3,5-trimethylbenzene
Concen: 0.45 ug/L
RT: 16.453 min Scan# 2740
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:105 Resp: 5544

Ion	Ratio	Lower	Upper
105	100		
120	47.4	19.3	79.3
77	13.6	0.0	42.7

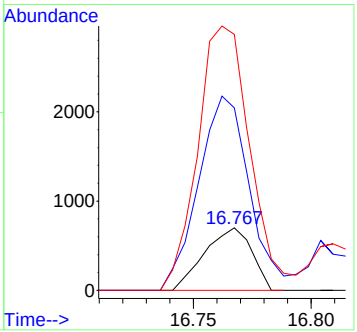


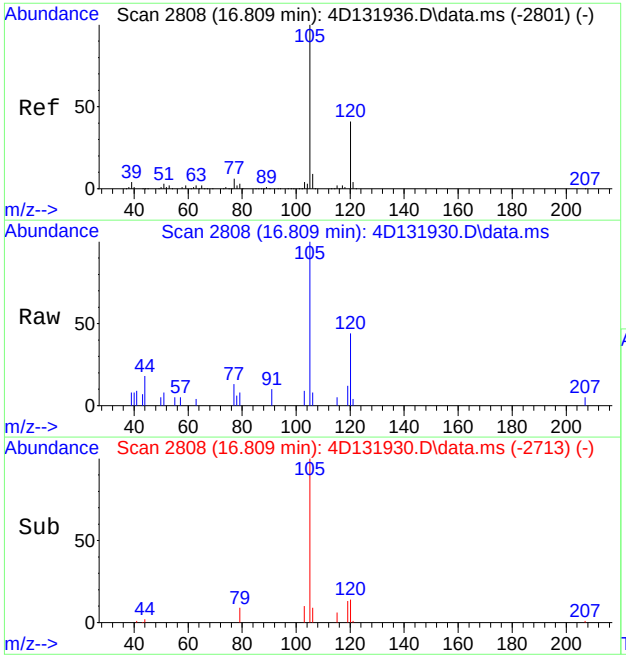


#106
tert-butylbenzene
Concen: 0.46 ug/L
RT: 16.767 min Scan# 2800
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:134 Resp: 978

Ion	Ratio	Lower	Upper
134	100		
91	291.5	266.0	326.0
119	408.4	410.0	470.0#

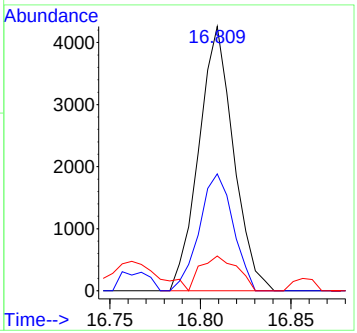


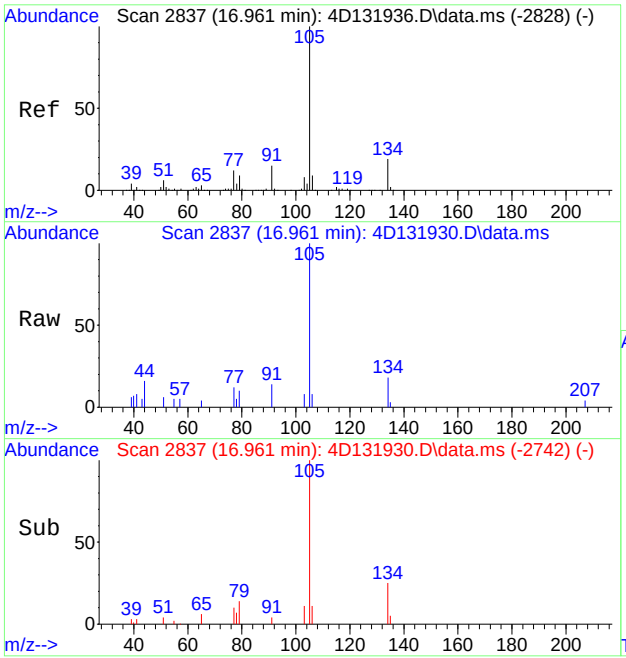


#107
1,2,4-trimethylbenzene
Concen: 0.48 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:105 Resp: 5663

Ion	Ratio	Lower	Upper
105	100		
120	44.2	15.8	75.8
77	13.2	0.0	41.4

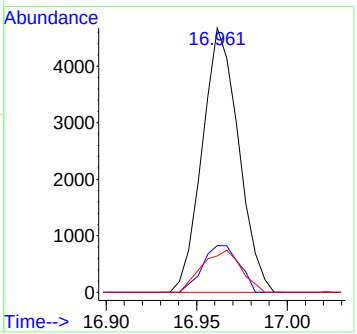


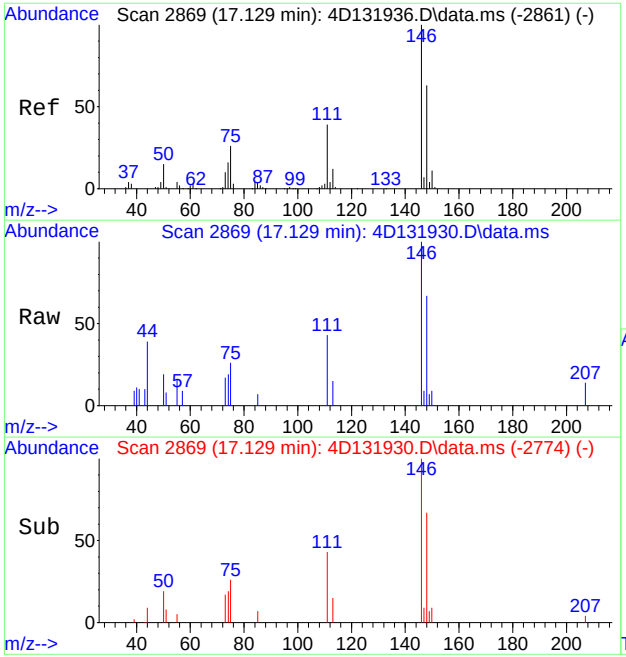


#108
sec-butylbenzene
Concen: 0.45 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:105 Resp: 6495

Ion	Ratio	Lower	Upper
105	100		
134	17.7	0.0	48.6
91	13.8	0.0	45.4

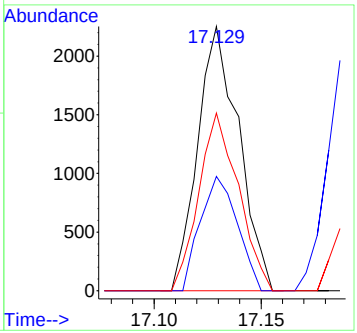


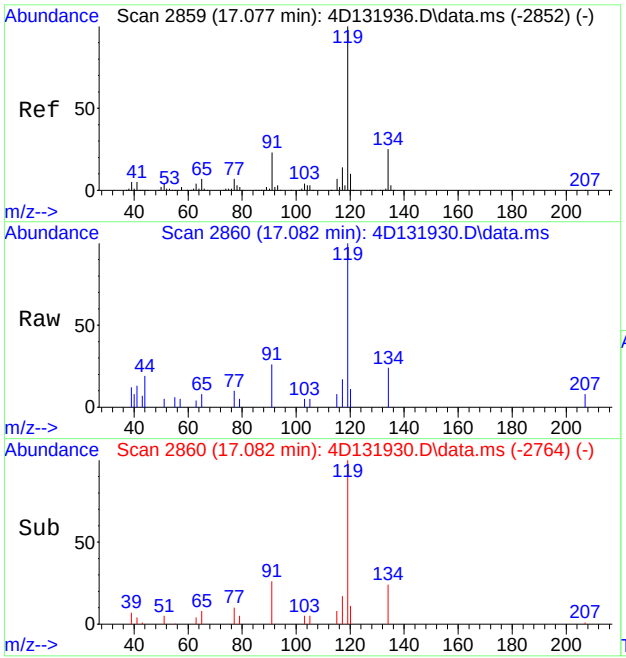


#109
1,3-dichlorobenzene
Concen: 0.42 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:146 Resp: 3011

Ion	Ratio	Lower	Upper
146	100		
111	43.3	9.4	69.4
148	67.2	33.3	93.3

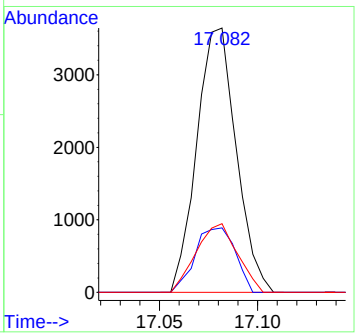


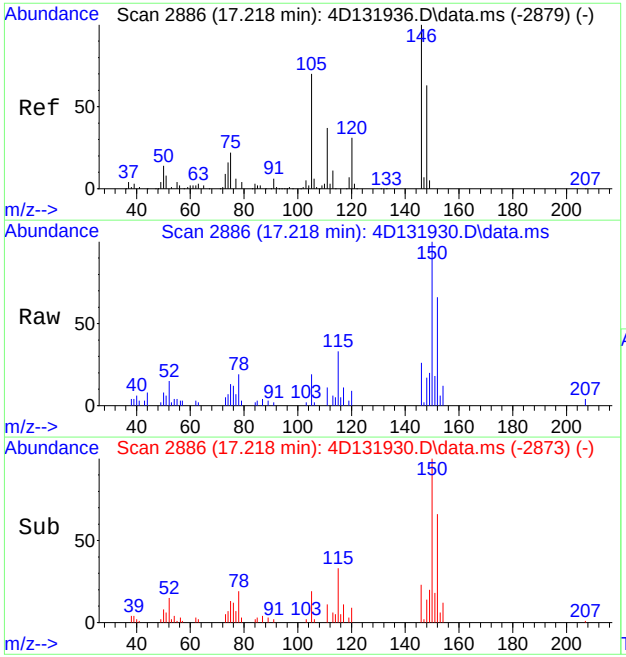


#110
p-isopropyltoluene
Concen: 0.43 ug/L
RT: 17.082 min Scan# 2860
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:119 Resp: 5102

Ion	Ratio	Lower	Upper
119	100		
134	24.4	0.0	55.5
91	26.0	0.0	53.2

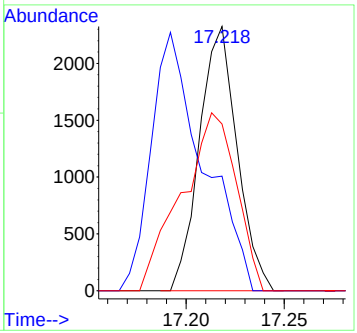


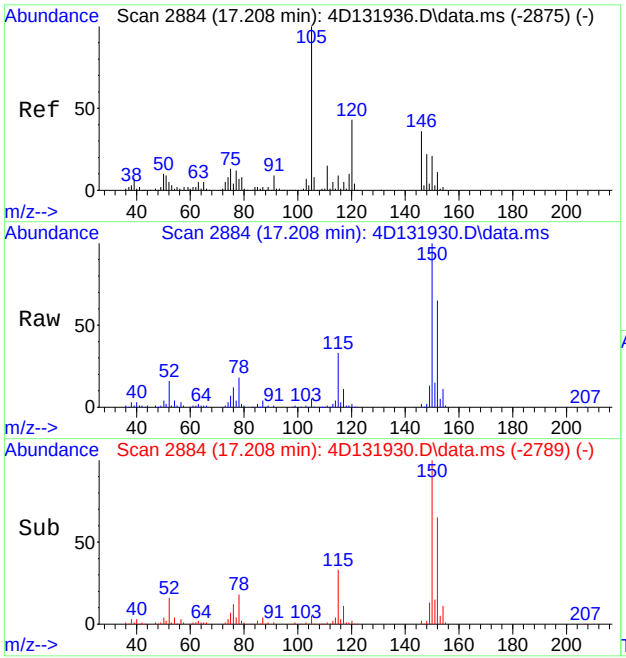


#111
1,4-dichlorobenzene
Concen: 0.47 ug/L
RT: 17.218 min Scan# 2886
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:146 Resp: 3113

Ion	Ratio	Lower	Upper
146	100		
111	43.3	7.6	67.6
148	63.1	33.6	93.6

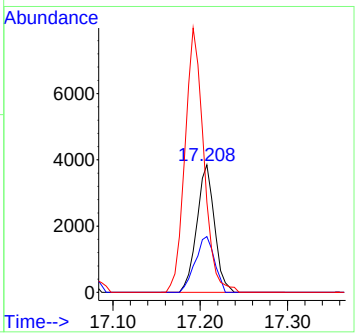


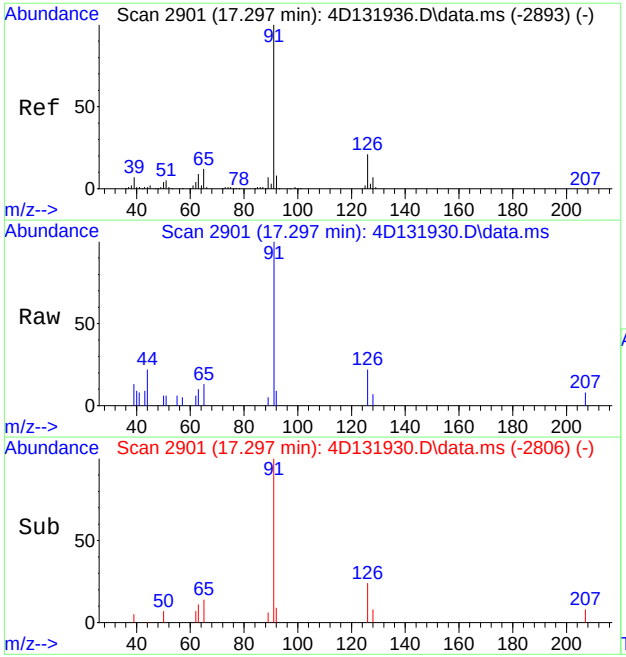


#112
1,2,3-trimethylbenzene
Concen: 0.47 ug/L m
RT: 17.208 min Scan# 2884
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:105 Resp: 5412

Ion	Ratio	Lower	Upper
105	100		
120	43.7	12.6	72.6
77	70.8	0.0	42.2#

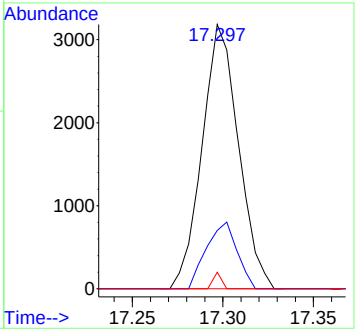


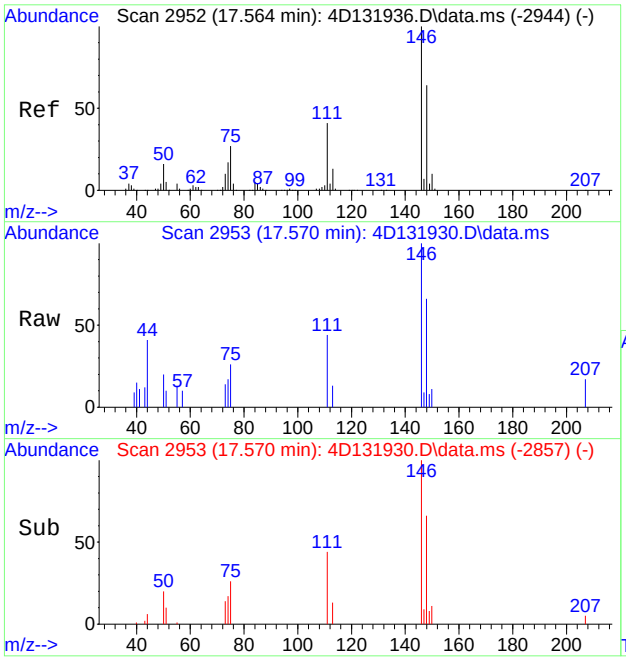


#113
benzyl chloride
Concen: 0.49 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 91 Resp: 4437

Ion	Ratio	Lower	Upper
91	100		
126	22.0	0.0	51.2
62	6.3	0.0	34.2

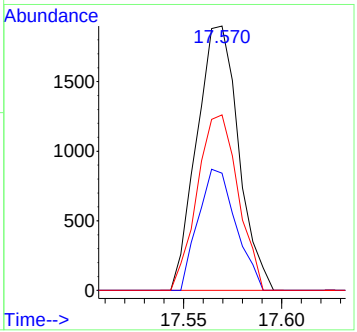


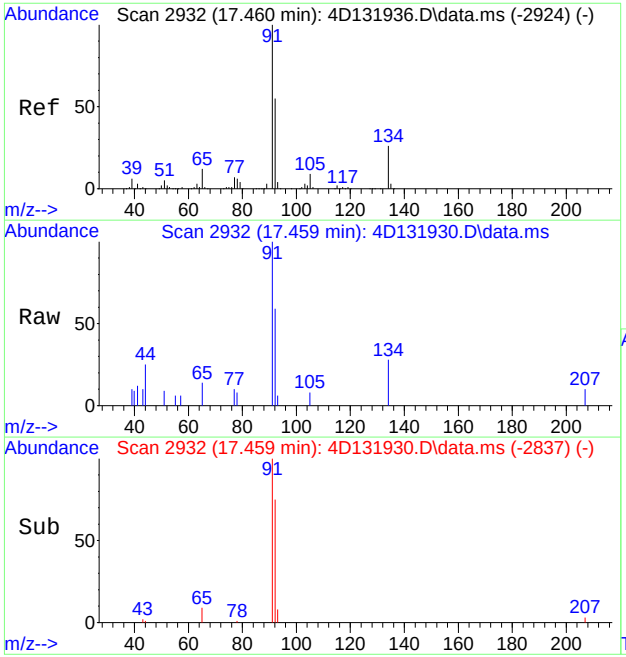


#114
1,2-dichlorobenzene
Concen: 0.42 ug/L
RT: 17.570 min Scan# 2953
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:146 Resp: 2817

Ion	Ratio	Lower	Upper
146	100		
111	44.4	11.4	71.4
148	66.3	33.6	93.6

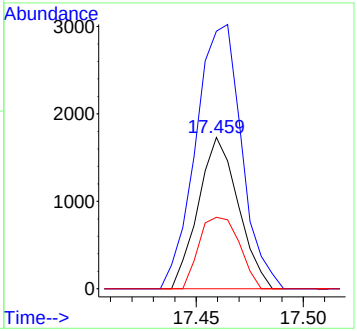


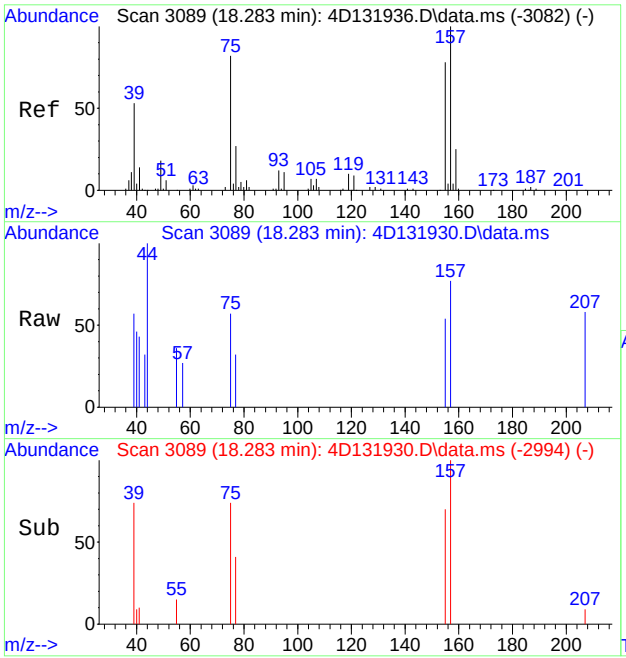


#115
n-butylbenzene
Concen: 0.43 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion: 92 Resp: 2257

Ion	Ratio	Lower	Upper
92	100		
91	170.1	151.4	211.4
134	47.3	16.5	76.5

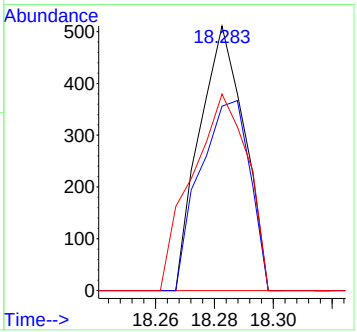


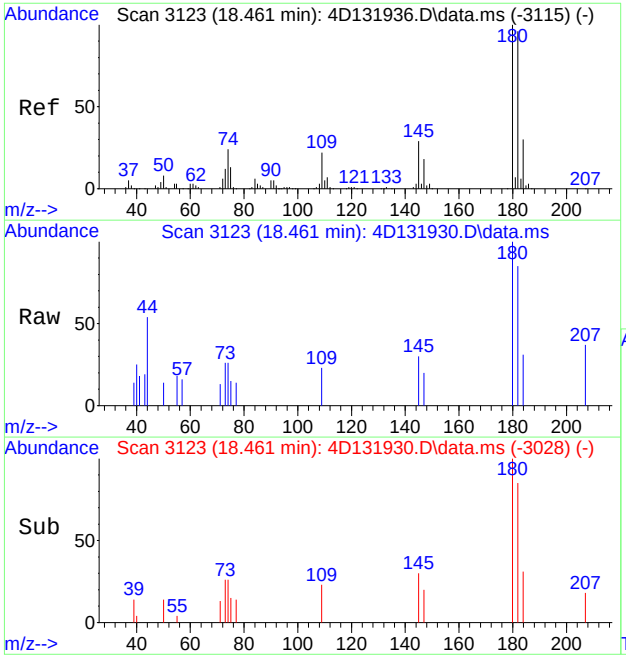


#116
1,2-dibromo-3-chloropropane
Concen: 0.34 ug/L
RT: 18.283 min Scan# 3089
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:157 Resp: 542

Ion	Ratio	Lower	Upper
157	100		
155	69.7	48.1	108.1
75	74.2	52.3	112.3

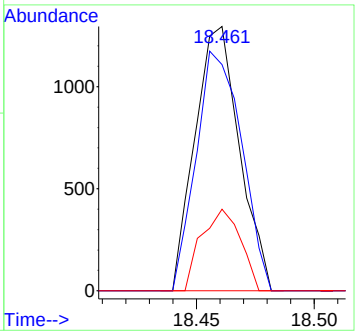


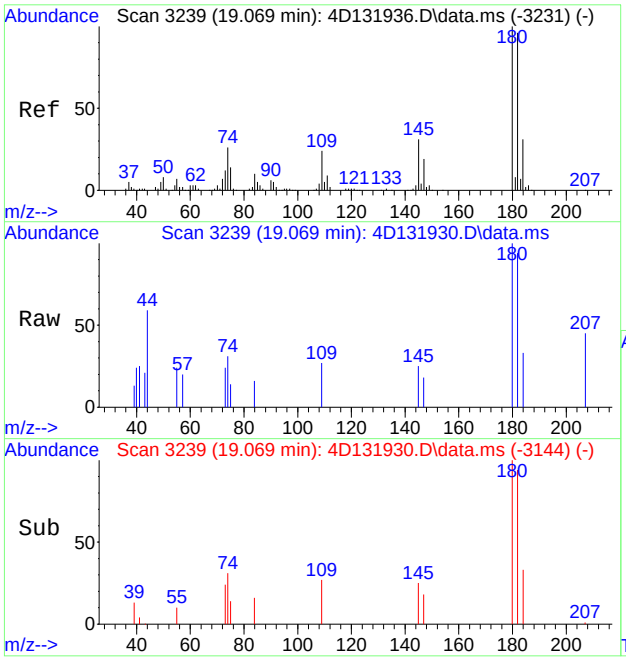


#117
1,3,5-trichlorobenzene
Concen: 0.42 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:180 Resp: 1705

Ion	Ratio	Lower	Upper
180	100		
182	85.5	66.1	126.1
184	30.9	0.3	60.3

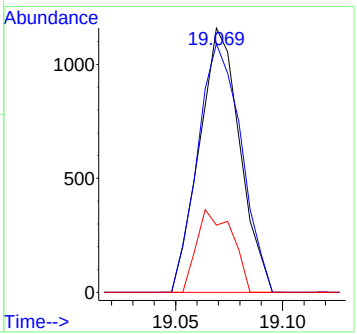


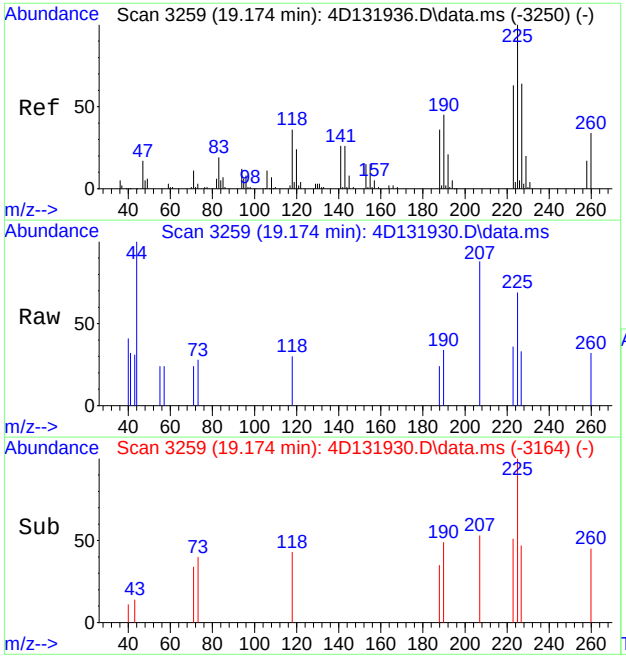


#118
1,2,4-trichlorobenzene
Concen: 0.44 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:180 Resp: 1535

Ion	Ratio	Lower	Upper
180	100		
182	94.0	65.6	125.6
145	25.4	0.8	60.8

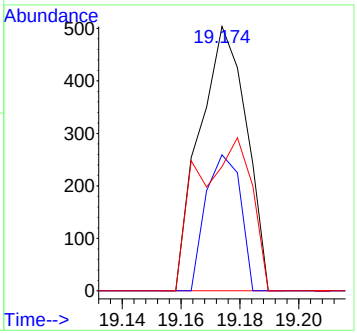


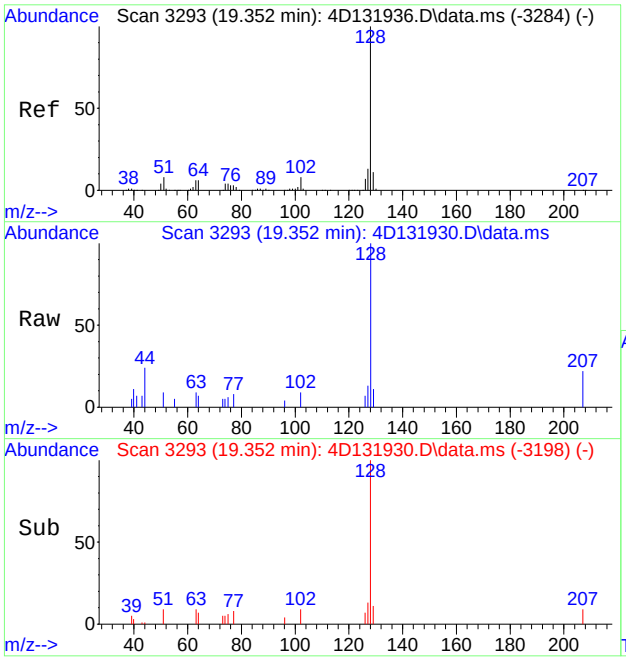


#119
hexachlorobutadiene
Concen: 0.41 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:225 Resp: 558

Ion	Ratio	Lower	Upper
225	100		
223	51.4	33.3	93.3
227	47.0	33.8	93.8

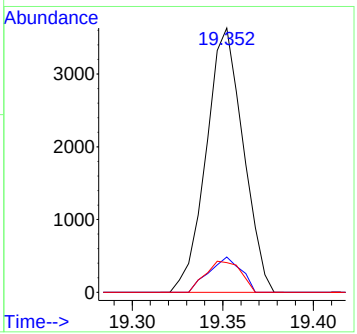


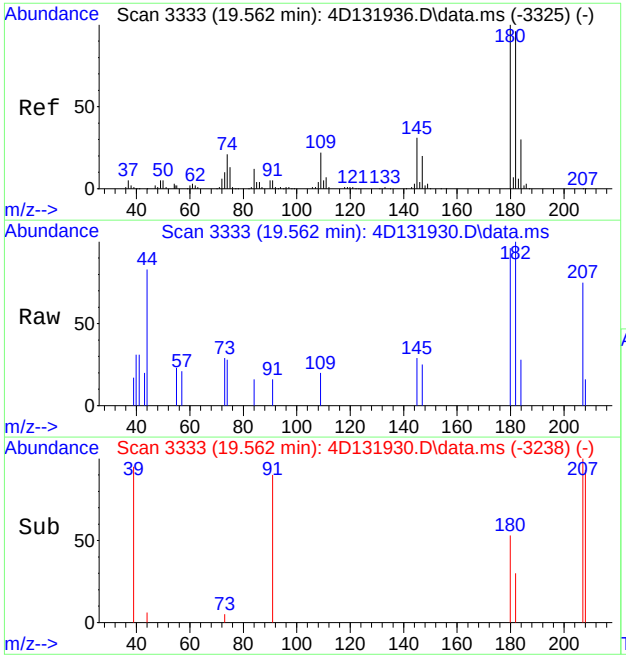


#120
naphthalene
Concen: 0.45 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:128 Resp: 5143

Ion	Ratio	Lower	Upper
128	100		
127	13.3	0.0	42.5
129	11.2	0.0	41.0

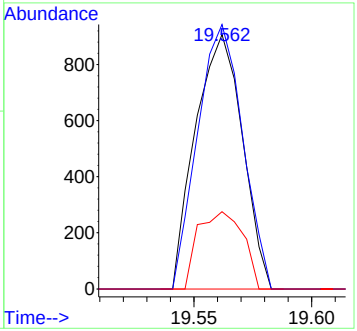


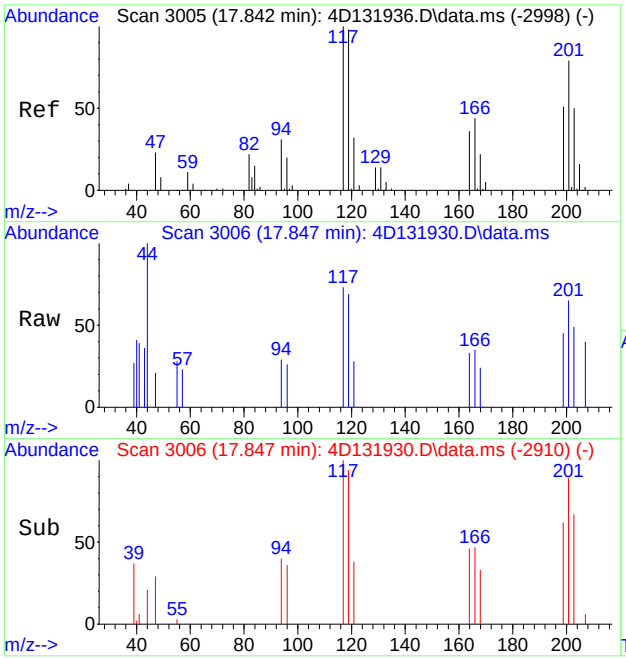


#121
1,2,3-trichlorobenzene
Concen: 0.40 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:180 Resp: 1259

Ion	Ratio	Lower	Upper
180	100		
182	104.0	66.3	126.3
145	30.3	1.3	61.3

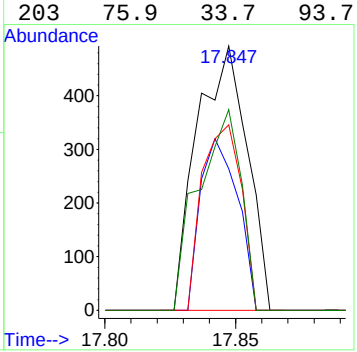


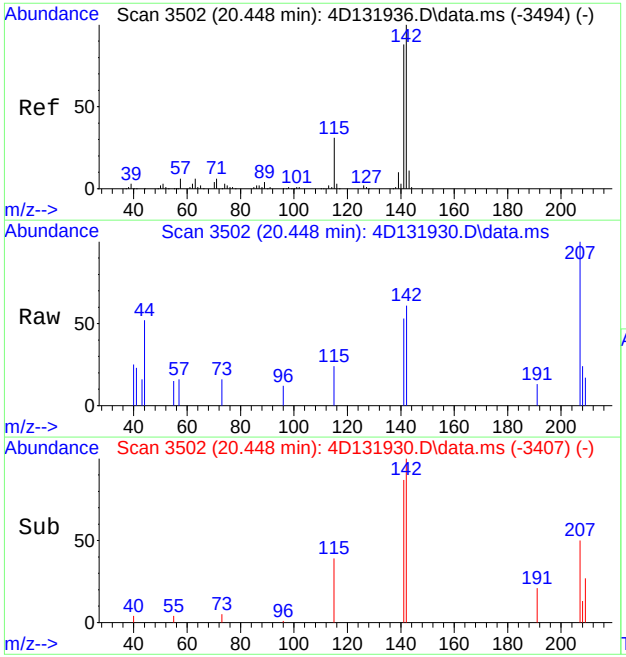


#122
hexachloroethane
Concen: 0.40 ug/L
RT: 17.847 min Scan# 3006
Delta R.T. 0.005 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:201 Resp: 659

Ion	Ratio	Lower	Upper
201	100		
166	53.5	26.1	86.1
199	70.2	33.8	93.8
203	75.9	33.7	93.7

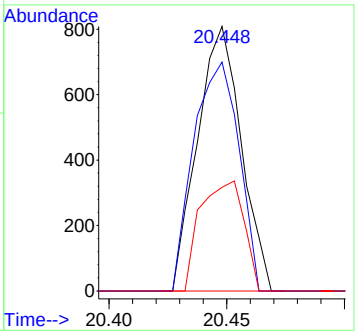




#123
2-methylnaphthalene
Concen: 0.21 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. -0.000 min
Lab File: 4D131930.D
Acq: 6 Oct 2023 4:06 pm

Tgt Ion:142 Resp: 1045

Ion	Ratio	Lower	Upper
142	100		
141	86.5	67.9	107.9
115	39.2	10.8	50.8



Manual Integration Approval Summary

Sample Number:	V4D5842-IC5842	**Method:**	SW846 8260D
Lab FileID:	4D131930.D	**Analyst approved:**	10/10/23 15:02 MoHui Huang
Injection Time:	10/06/23 16:06	**Supervisor approved:**	10/10/23 15:08 Mei Chen

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2,3-Trimethylbenzene	526-73-8		17.21	Missed peak

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131931.D
Acq On : 6 Oct 2023 4:35 pm
Operator : nickw
Sample : ic5842-1
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:20:09 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:16:16 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.819	65	434973	500.00	ug/L	-0.01
5) pentafluorobenzene	11.299	168	413095	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	680496	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	542279	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	239699	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.299	168	413095	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	239699	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.336	113	219281	50.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.18%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	255501	51.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.12%			
74) toluene-d8 (s)	13.705	98	728716	50.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.66%			
97) 4-bromofluorobenzene (s)	16.122	95	251748	49.92	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.84%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.955	59	8366	6.13	ug/L	97
3) ethanol	7.325	45	16247	126.39	ug/L	98
6) chlorodifluoromethane	4.813	51	6763	1.22	ug/L	92
7) dichlorodifluoromethane	4.740	85	7794	1.25	ug/L	95
8) chloromethane	5.243	50	8861	1.20	ug/L	93
9) vinyl chloride	5.495	62	6895	1.21	ug/L	92
10) 1,3-butadiene	5.594	54	5191	1.17	ug/L	93
11) bromomethane	6.297	94	4144	1.37	ug/L	85
12) chloroethane	6.538	64	4172	1.24	ug/L	97
13) trichlorofluoromethane	7.078	101	8215	1.30	ug/L	91
14) ethyl ether	7.587	74	2701	1.29	ug/L	88
16) freon 113	8.064	151	3436	1.32	ug/L	96
17) 1,1-dichloroethene	8.074	96	4078	1.24	ug/L	96
18) acetone	8.090	58	3860	4.07	ug/L	94
19) acetonitrile	8.567	41	11284	11.09	ug/L	94
21) carbon disulfide	8.525	76	13001	1.24	ug/L	95
22) methylene chloride	8.897	84	5915	1.23	ug/L	100
23) methyl acetate	8.625	74	1118	1.02	ug/L #	83
24) methyl tert butyl ether	9.285	73	14948	1.19	ug/L	97
25) trans-1,2-dichloroethene	9.333	96	4712	1.28	ug/L	93
26) di-isopropyl ether	9.951	45	18068	1.18	ug/L	98
27) 2-butanone	10.675	72	3967	4.72	ug/L	98
28) 1,1-dichloroethane	9.972	63	9113	1.19	ug/L	94
29) chloroprene	10.082	53	8308	1.20	ug/L	96
30) acrylonitrile	9.228	53	2858	1.05	ug/L	97
31) hexane	9.726	56	4405	1.17	ug/L	93
32) vinyl acetate	9.909	86	1045	1.16	ug/L #	87
33) ethyl tert-butyl ether	10.449	59	17902	1.21	ug/L	96
34) ethyl acetate	10.691	70	1071	1.33	ug/L #	83
35) 2,2-dichloropropane	10.769	77	8320	1.26	ug/L	91
36) cis-1,2-dichloroethene	10.743	96	5408	1.18	ug/L	93
37) methyl acrylate	10.780	55	9683	1.21	ug/L	93
38) propionitrile	10.759	54	14250	12.86	ug/L	96
39) bromochloromethane	11.058	128	2702	1.29	ug/L	94
40) tetrahydrofuran	11.068	72	1068	1.10	ug/L #	61
41) chloroform	11.142	85	8099	1.20	ug/L	96
44) methacrylonitrile	10.968	67	3106	1.25	ug/L	97
45) 1,1,1-trichloroethane	11.404	97	7439	1.30	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131931.D
Acq On : 6 Oct 2023 4:35 pm
Operator : nickw
Sample : ic5842-1
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:20:09 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:16:16 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cyclohexane	11.509	84	7407	1.32	ug/L		96
47) 1,1-dichloropropene	11.571	75	6222	1.25	ug/L		98
48) isobutyl alcohol	11.545	74	556	11.02	ug/L	#	32
49) carbon tetrachloride	11.598	117	6285	1.25	ug/L		98
53) n-butyl alcohol	12.253	56	21260	65.23	ug/L		95
54) 2,2,4-trimethylpentane	11.897	57	15146	1.35	ug/L		95
55) benzene	11.818	78	17922	1.19	ug/L		100
56) tert-amyl methyl ether	11.886	87	3403	1.26	ug/L		98
57) heptane	12.049	71	3306	1.36	ug/L		87
58) isopropyl acetate	11.723	87	1361	1.32	ug/L	#	77
59) 1,2-dichloroethane	11.844	62	7762	1.24	ug/L		96
60) trichloroethene	12.505	130	4737	1.19	ug/L		98
61) ethyl acrylate	12.478	55	9688	1.29	ug/L		96
63) 2-chloroethyl vinyl ether	13.218	63	12867	5.57	ug/L		98
64) methyl methacrylate	12.725	100	1541	1.06	ug/L	#	92
65) 1,2-dichloropropane	12.772	63	5229	1.34	ug/L		98
66) dibromomethane	12.872	93	3333	1.29	ug/L		94
67) methylcyclohexane	12.777	83	7278	1.25	ug/L		94
68) bromodichloromethane	13.013	83	6656	1.21	ug/L		97
69) epichlorohydrin	13.302	57	4865	5.97	ug/L		97
70) cis-1,3-dichloropropene	13.427	75	7984	1.24	ug/L		99
71) 4-methyl-2-pentanone	13.511	58	12734	5.18	ug/L		94
75) toluene	13.774	92	10509	1.16	ug/L		94
76) trans-1,3-dichloropropene	13.936	75	7340	1.27	ug/L		96
77) ethyl methacrylate	13.915	69	7442	1.30	ug/L		97
78) 1,1,2-trichloroethane	14.141	83	3881	1.28	ug/L		93
79) tetrachloroethene	14.277	164	3820	1.29	ug/L		93
80) 1,3-dichloropropane	14.303	76	6912	1.30	ug/L		80
81) 2-hexanone	14.277	58	13385	5.12	ug/L		94
82) butyl acetate	14.340	56	5129	1.27	ug/L		95
83) dibromochloromethane	14.528	129	5263	1.24	ug/L		95
84) 1,2-dibromoethane	14.675	107	4784	1.18	ug/L		98
86) chlorobenzene	15.105	112	11455	1.15	ug/L		89
87) 1,1,1,2-tetrachloroethane	15.163	131	4215	1.21	ug/L		98
88) ethylbenzene	15.152	91	19116	1.16	ug/L		99
89) m,p-xylene	15.263	106	14724	2.34	ug/L		95
90) o-xylene	15.624	106	7254	1.20	ug/L		95
91) styrene	15.635	104	11983	1.16	ug/L		98
92) bromoform	15.855	173	3642	1.21	ug/L		91
93) butyl acrylate	15.446	55	11915	1.36	ug/L		99
94) isopropylbenzene	15.934	105	16330	1.14	ug/L		97
95) cis-1,4-dichloro-2-butene	15.965	88	1998	1.07	ug/L		90
98) bromobenzene	16.301	156	4736	1.25	ug/L		99
99) 1,1,2,2-tetrachloroethane	16.191	83	6496	1.29	ug/L		99
100) trans-1,4-dichloro-2-b...	16.212	53	1819	1.22	ug/L		95
101) 1,2,3-trichloropropane	16.274	110	1703	1.30	ug/L		95
102) n-propylbenzene	16.311	91	19341	1.12	ug/L		94
103) 2-chlorotoluene	16.442	126	4187	1.15	ug/L		98
104) 4-chlorotoluene	16.542	91	12614	1.09	ug/L		97
105) 1,3,5-trimethylbenzene	16.447	105	13757	1.16	ug/L		99
106) tert-butylbenzene	16.767	134	2637	1.29	ug/L	#	67
107) 1,2,4-trimethylbenzene	16.809	105	14184	1.25	ug/L		96
108) sec-butylbenzene	16.961	105	15816	1.14	ug/L		96
109) 1,3-dichlorobenzene	17.129	146	8110	1.19	ug/L		98
110) p-isopropyltoluene	17.077	119	13036	1.15	ug/L		98
111) 1,4-dichlorobenzene	17.213	146	7975	1.25	ug/L		94
112) 1,2,3-trimethylbenzene	17.208	105	13687	1.26	ug/L		86
113) benzyl chloride	17.297	91	10904	1.25	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131931.D
Acq On : 6 Oct 2023 4:35 pm
Operator : nickw
Sample : ic5842-1
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:20:09 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:16:16 2023
Response via : Initial Calibration

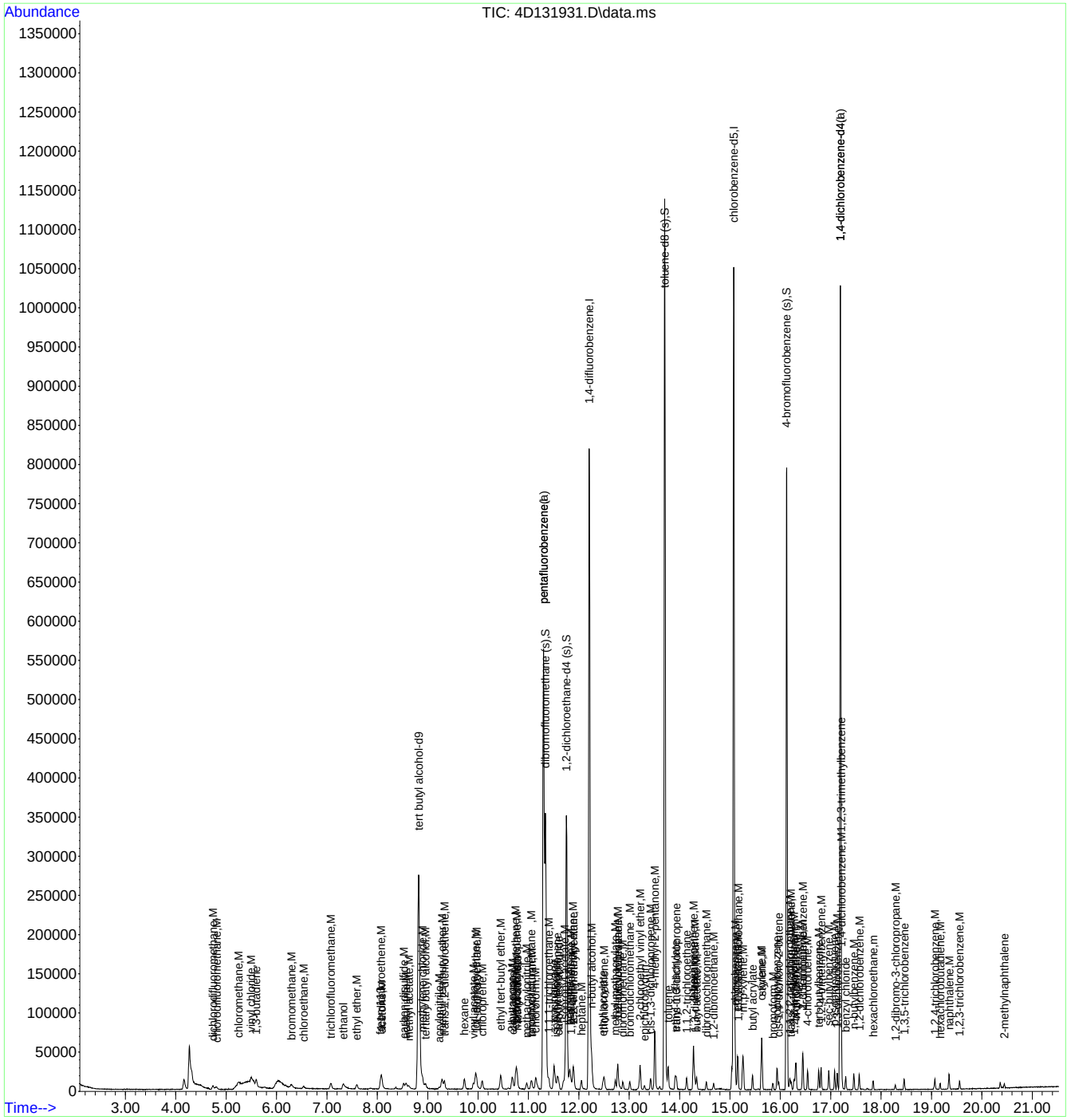
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114) 1,2-dichlorobenzene	17.569	146	7347	1.14	ug/L	99
115) n-butylbenzene	17.459	92	5747	1.14	ug/L	99
116) 1,2-dibromo-3-chloropr...	18.288	157	1571	1.15	ug/L	88
117) 1,3,5-trichlorobenzene	18.461	180	4428	1.13	ug/L	98
118) 1,2,4-trichlorobenzene	19.069	180	3839	1.15	ug/L	98
119) hexachlorobutadiene	19.174	225	1525	1.18	ug/L	93
120) naphthalene	19.352	128	13448	1.24	ug/L	98
121) 1,2,3-trichlorobenzene	19.557	180	3494	1.17	ug/L	92
122) hexachloroethane	17.847	201	1776	1.12	ug/L	94
123) 2-methylnaphthalene	20.448	142	2562	0.53	ug/L	96

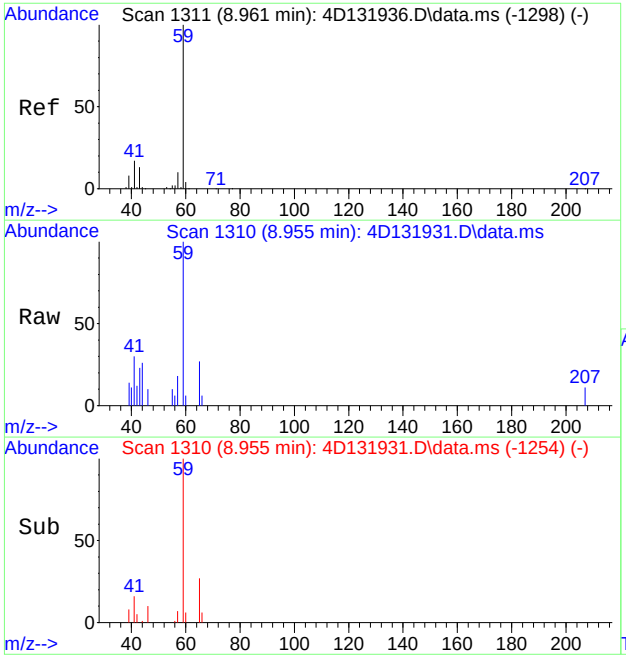
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131931.D
Acq On : 6 Oct 2023 4:35 pm
Operator : nickw
Sample : ic5842-1
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 15:20:09 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:16:16 2023
Response via : Initial Calibration

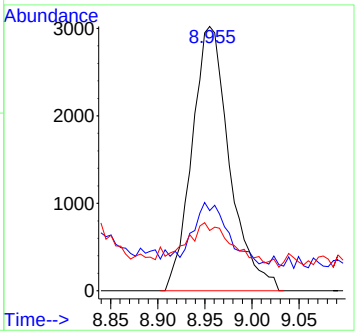


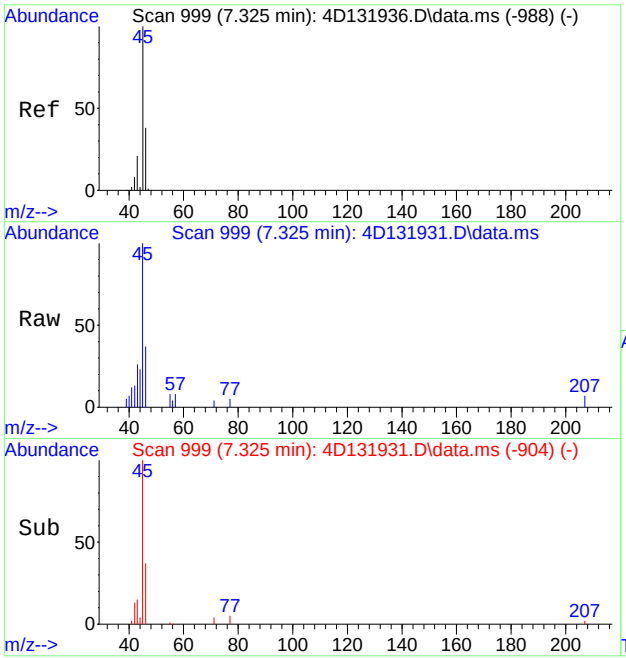


#2
tertiary butyl alcohol
Concen: 6.13 ug/L
RT: 8.955 min Scan# 1310
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 59 Resp: 8366

Ion	Ratio	Lower	Upper
59	100		
41	21.0	0.0	49.8
43	12.0	0.0	43.7

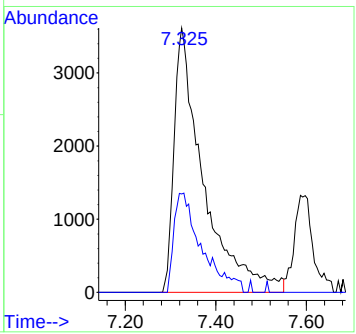


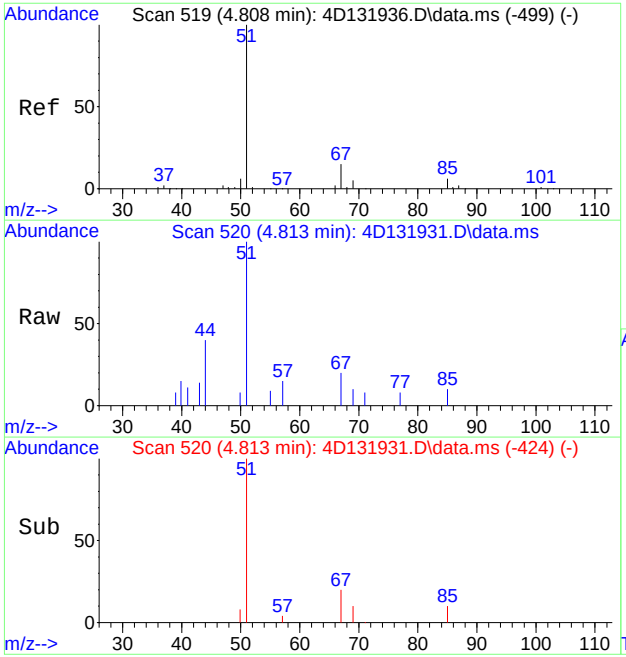


#3
ethanol
Concen: 126.39 ug/L
RT: 7.325 min Scan# 999
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 45 Resp: 16247

Ion	Ratio	Lower	Upper
45	100		
46	37.3	8.2	68.2

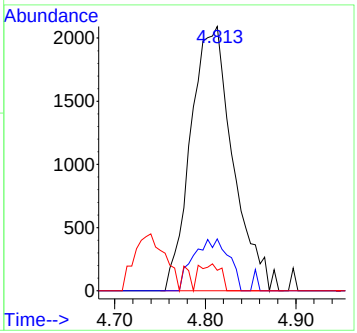


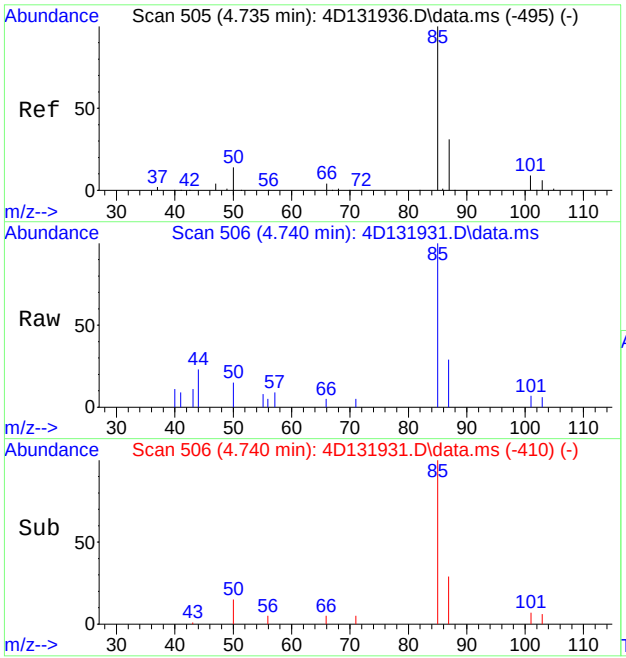


#6
chlorodifluoromethane
Concen: 1.22 ug/L
RT: 4.813 min Scan# 520
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 51 Resp: 6763

Ion	Ratio	Lower	Upper
51	100		
67	19.6	0.0	45.1
50	7.8	0.0	36.9

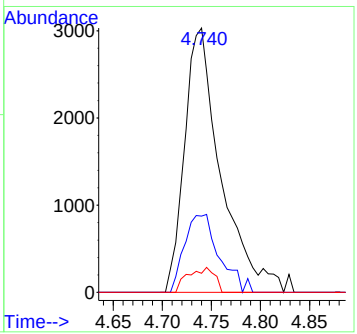


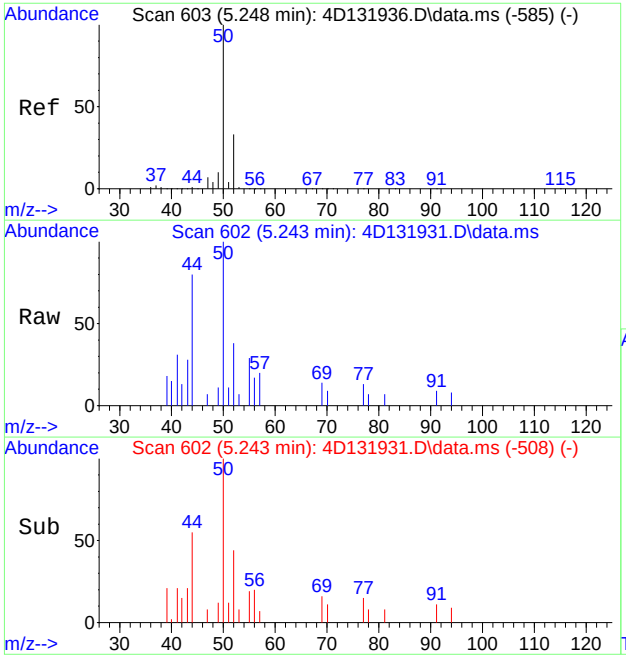


#7
dichlorodifluoromethane
Concen: 1.25 ug/L
RT: 4.740 min Scan# 506
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 85 Resp: 7794

Ion	Ratio	Lower	Upper
85	100		
87	28.8	1.4	61.4
101	7.2	0.0	39.3

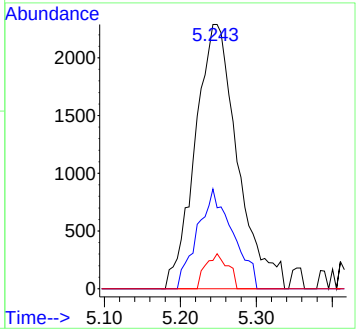


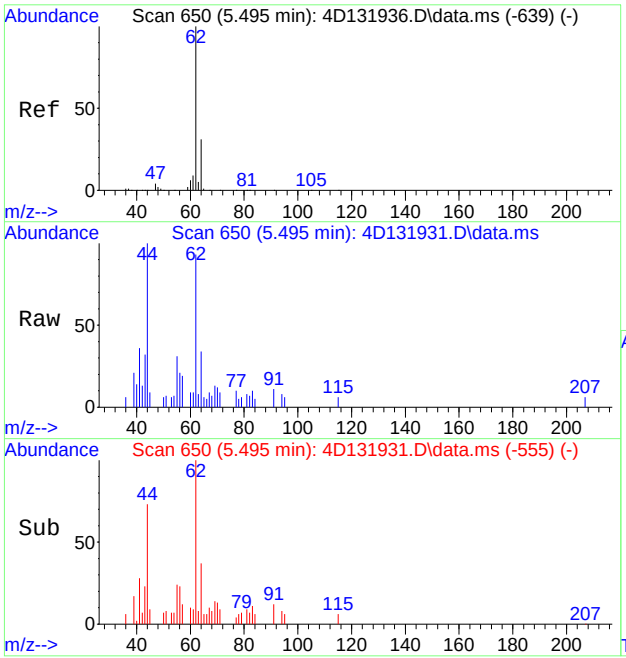


#8
chloromethane
Concen: 1.20 ug/L
RT: 5.243 min Scan# 602
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 50 Resp: 8861

Ion	Ratio	Lower	Upper
50	100		
52	37.8	2.8	62.8
49	10.7	0.0	40.0

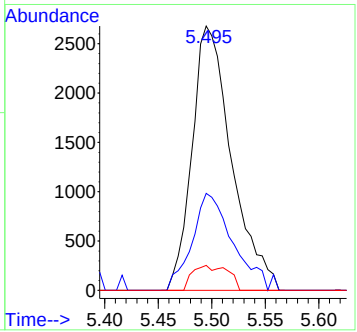


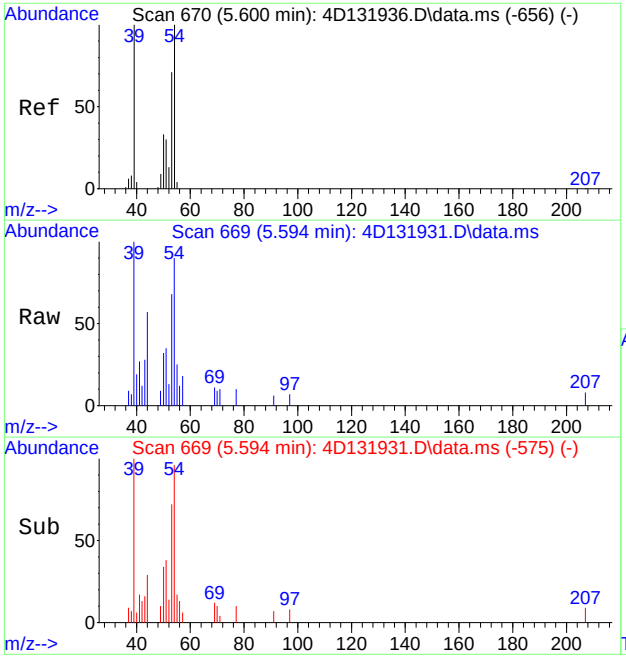


#9
vinyl chloride
Concen: 1.21 ug/L
RT: 5.495 min Scan# 650
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 62 Resp: 6895

Ion	Ratio	Lower	Upper
62	100		
64	36.7	1.2	61.2
61	9.4	0.0	38.7

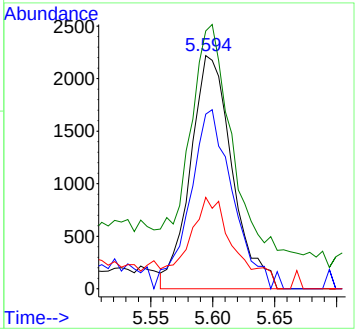


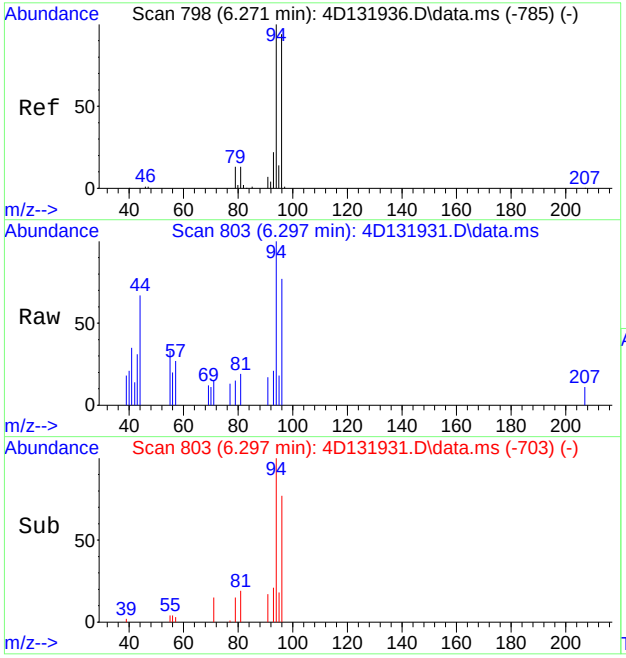


#10
1,3-butadiene
Concen: 1.17 ug/L
RT: 5.594 min Scan# 669
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 54 Resp: 5191

Ion	Ratio	Lower	Upper
54	100		
53	74.9	41.0	101.0
51	39.2	0.0	59.6
39	93.9	79.8	119.8

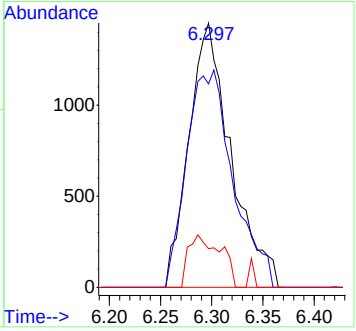


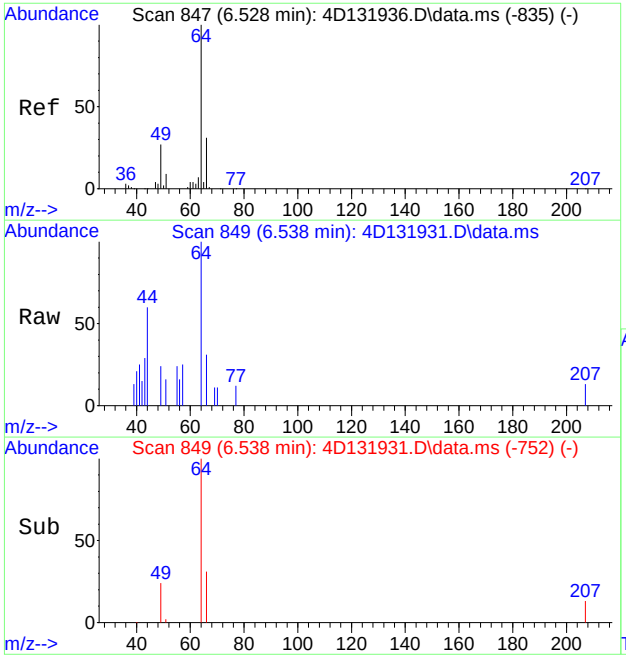


#11
bromomethane
Concen: 1.37 ug/L
RT: 6.297 min Scan# 803
Delta R.T. 0.026 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 94 Resp: 4144

Ion	Ratio	Lower	Upper
94	100		
96	77.0	63.6	123.6
79	14.6	0.0	43.4

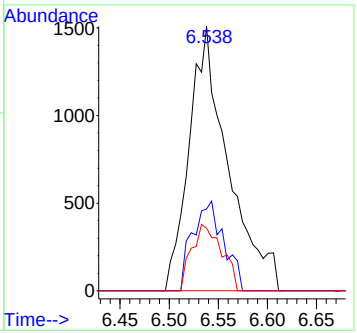


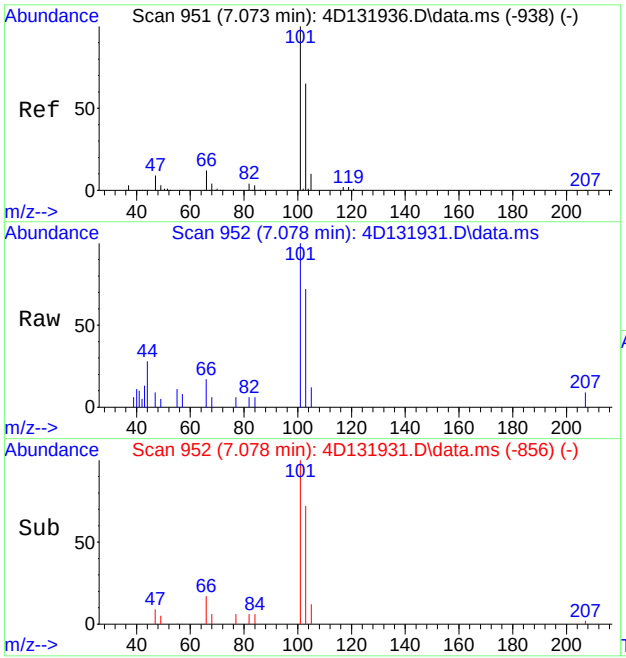


#12
chloroethane
Concen: 1.24 ug/L
RT: 6.538 min Scan# 849
Delta R.T. 0.010 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 64 Resp: 4172

Ion	Ratio	Lower	Upper
64	100		
66	31.0	1.2	61.2
49	23.7	0.0	57.3

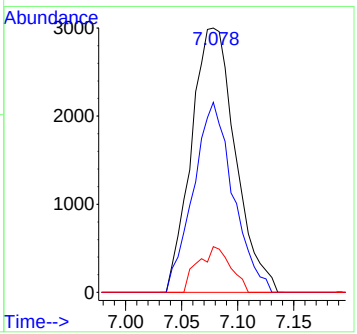


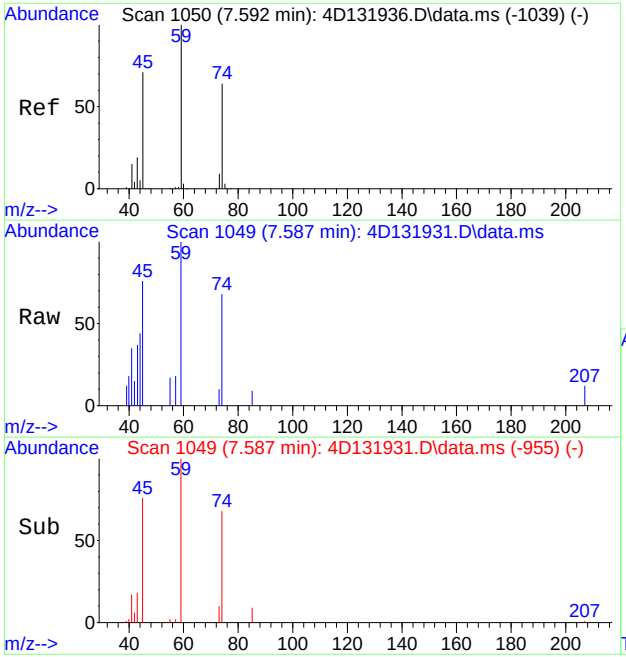


#13
trichlorofluoromethane
Concen: 1.30 ug/L
RT: 7.078 min Scan# 952
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:101 Resp: 8215

Ion	Ratio	Lower	Upper
101	100		
103	71.9	35.1	95.1
66	17.3	0.0	42.2

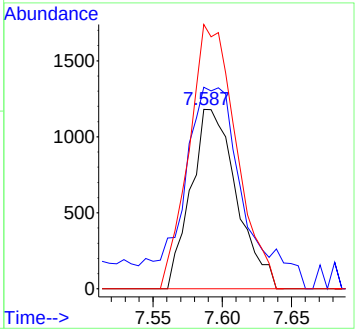


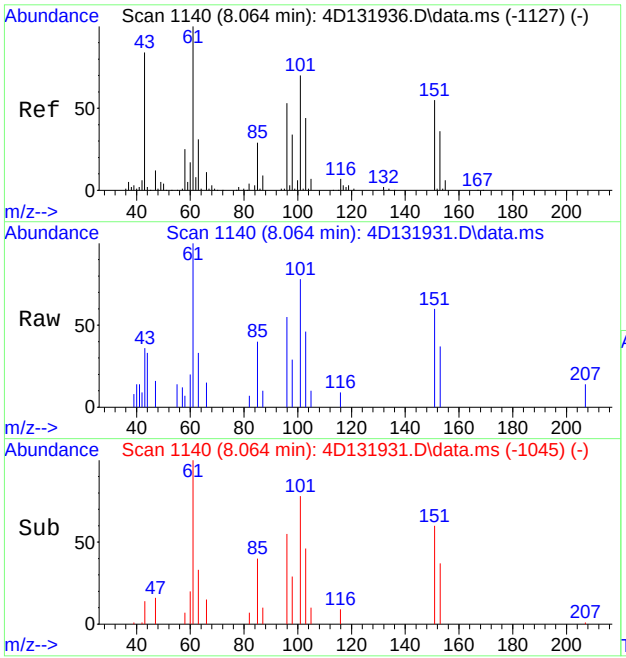


#14
ethyl ether
Concen: 1.29 ug/L
RT: 7.587 min Scan# 1049
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 74 Resp: 2701

Ion	Ratio	Lower	Upper
74	100		
45	97.9	89.0	149.0
59	147.3	125.8	185.8

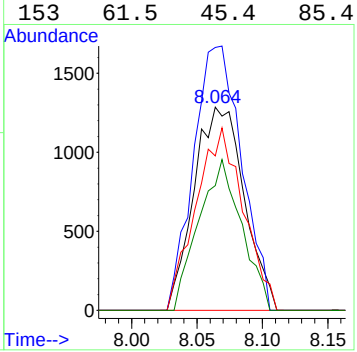




#16
freon 113
Concen: 1.32 ug/L
RT: 8.064 min Scan# 1140
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

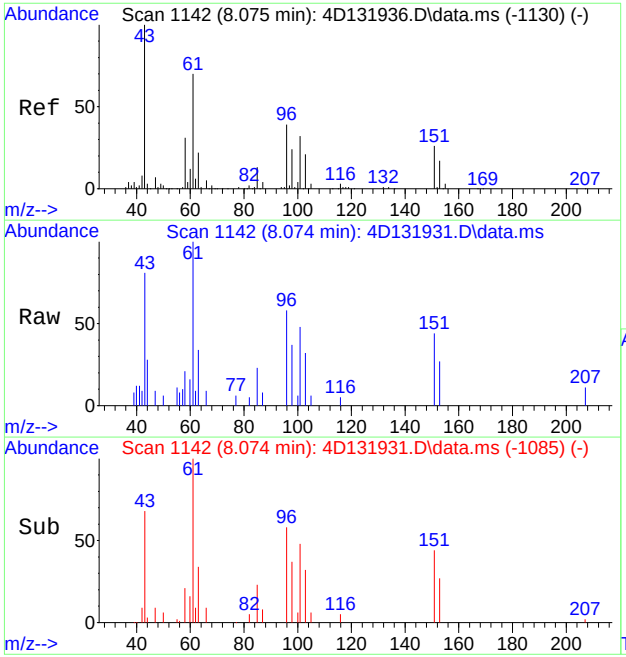
Tgt Ion:151 Resp: 3436

Ion	Ratio	Lower	Upper
151	100		
101	129.5	107.6	147.6
103	76.0	61.2	101.2
153	61.5	45.4	85.4



7.6.3

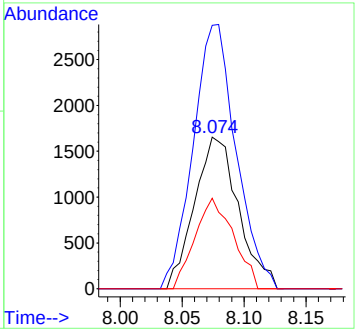
7

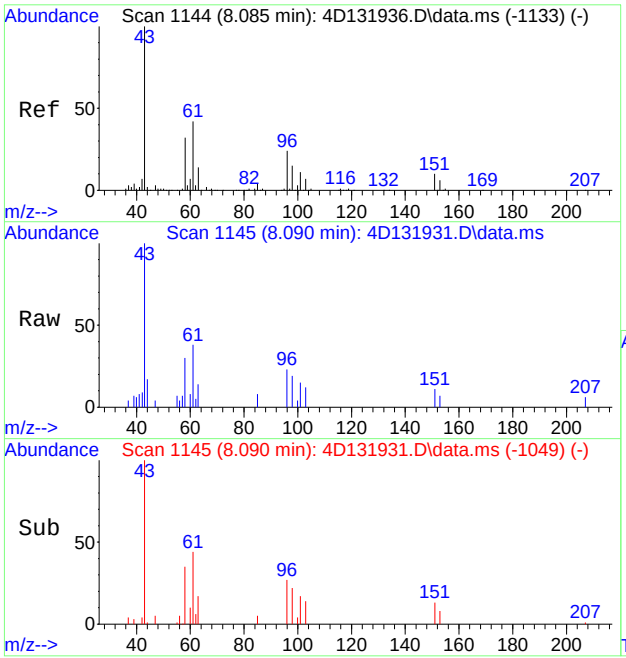


#17
1,1-dichloroethene
Concen: 1.24 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 96 Resp: 4078

Ion	Ratio	Lower	Upper
96	100		
61	173.7	149.0	209.0
63	59.7	26.1	86.1

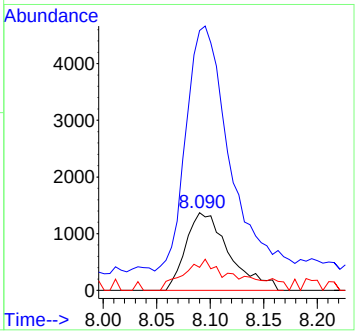


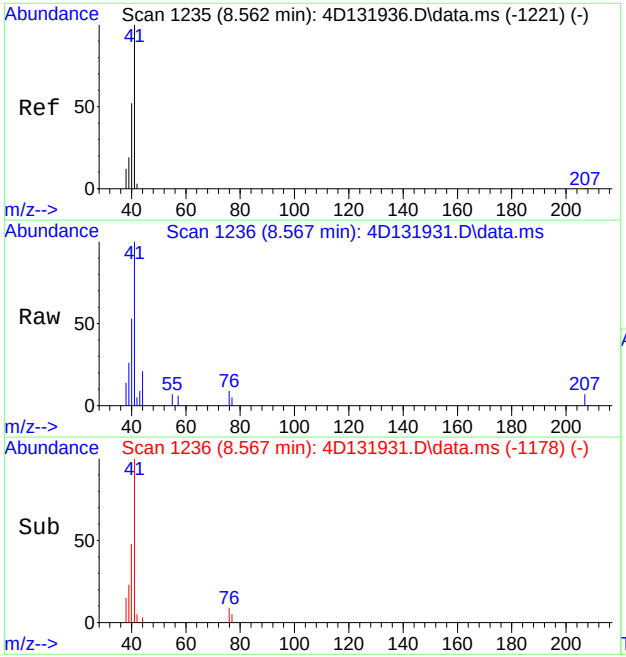


#18
acetone
Concen: 4.07 ug/L
RT: 8.090 min Scan# 1145
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 58 Resp: 3860

Ion	Ratio	Lower	Upper
58	100		
43	303.5	285.1	345.1
42	29.6	0.0	53.5

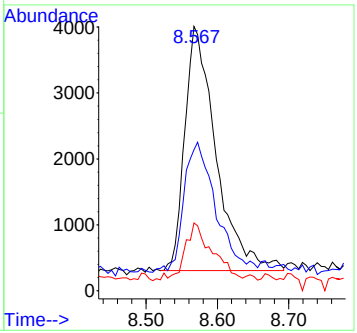


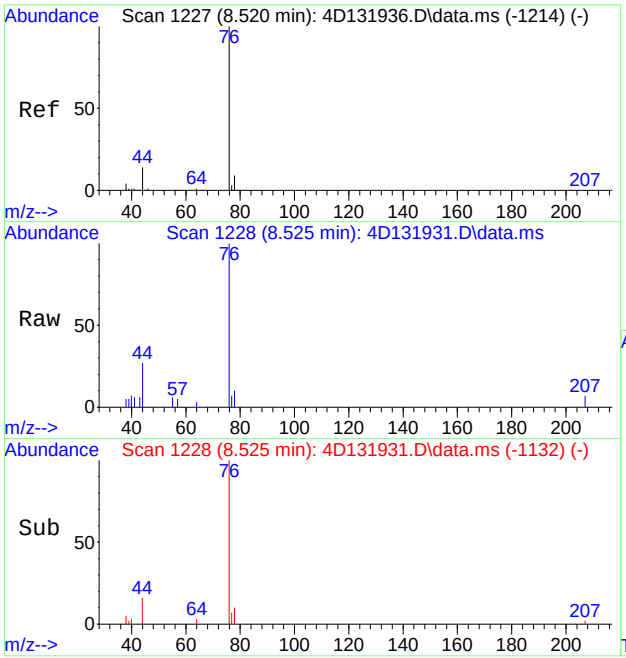


#19
acetonitrile
Concen: 11.09 ug/L
RT: 8.567 min Scan# 1236
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 41 Resp: 11284

Ion	Ratio	Lower	Upper
41	100		
40	48.6	22.4	82.4
39	23.4	0.0	49.2

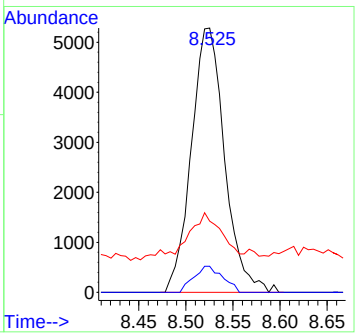


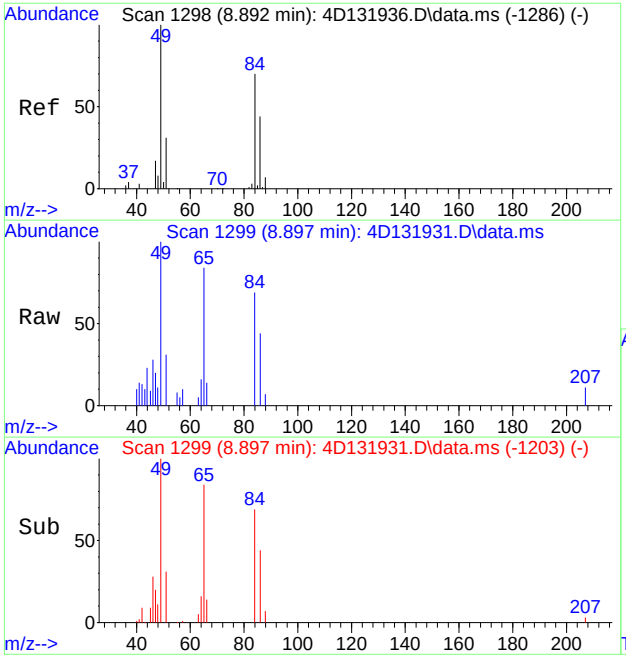


#21
carbon disulfide
Concen: 1.24 ug/L
RT: 8.525 min Scan# 1228
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 76 Resp: 13001

Ion	Ratio	Lower	Upper
76	100		
78	9.9	0.0	39.2
44	11.4	0.0	44.4

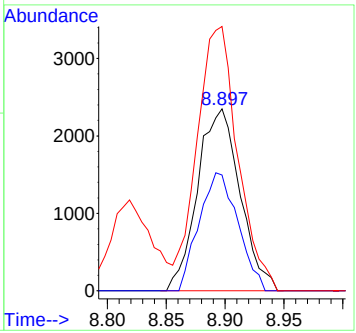


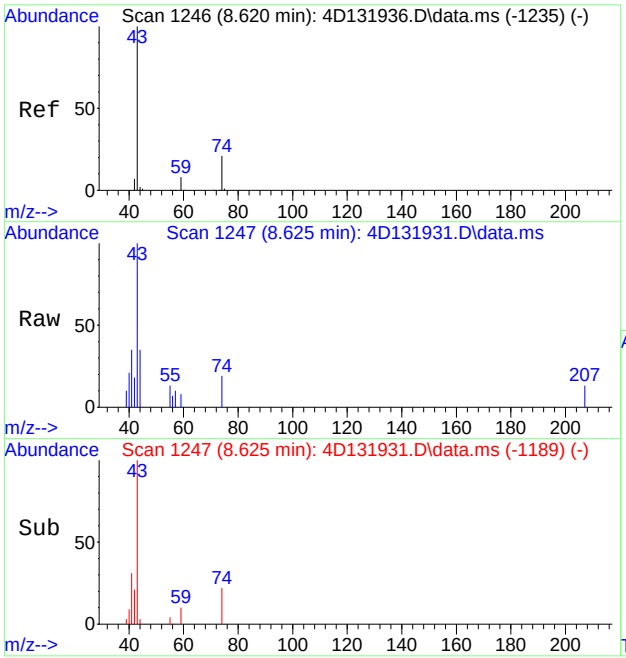


#22
methylene chloride
Concen: 1.23 ug/L
RT: 8.897 min Scan# 1299
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 84 Resp: 5915

Ion	Ratio	Lower	Upper
84	100		
86	63.6	33.7	93.7
49	145.4	114.9	174.9

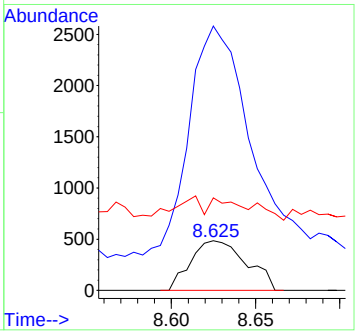


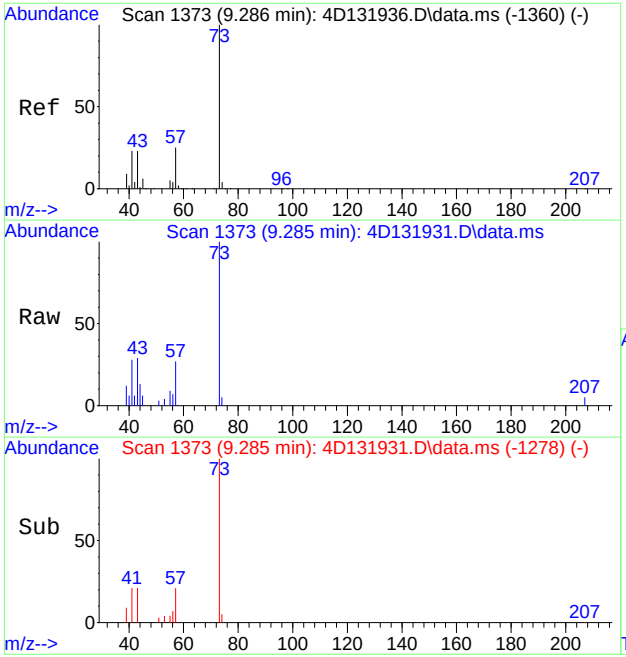


#23
methyl acetate
Concen: 1.02 ug/L
RT: 8.625 min Scan# 1247
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 74 Resp: 1118

Ion	Ratio	Lower	Upper
74	100		
43	442.1	453.1	513.1#
44	45.4	0.0	45.1#

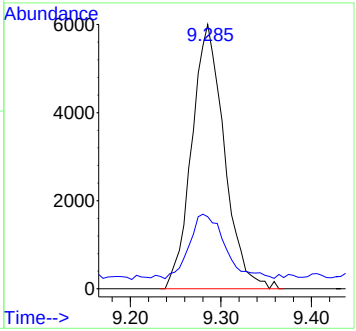


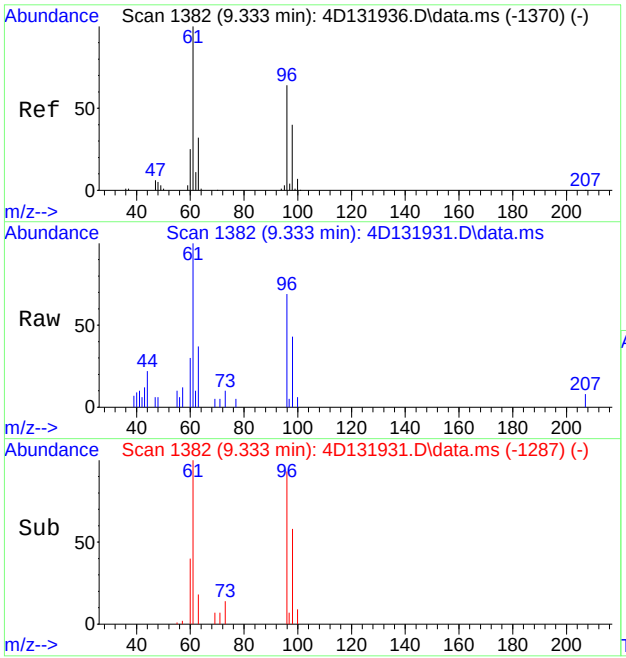


#24
methyl tert butyl ether
Concen: 1.19 ug/L
RT: 9.285 min Scan# 1373
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 73 Resp: 14948

Ion	Ratio	Lower	Upper
73	100		
57	22.9	0.0	224.6

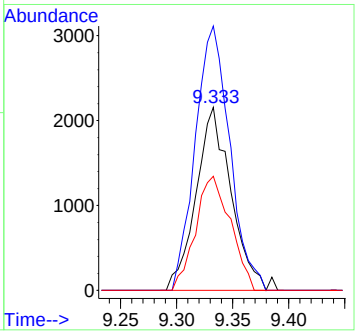


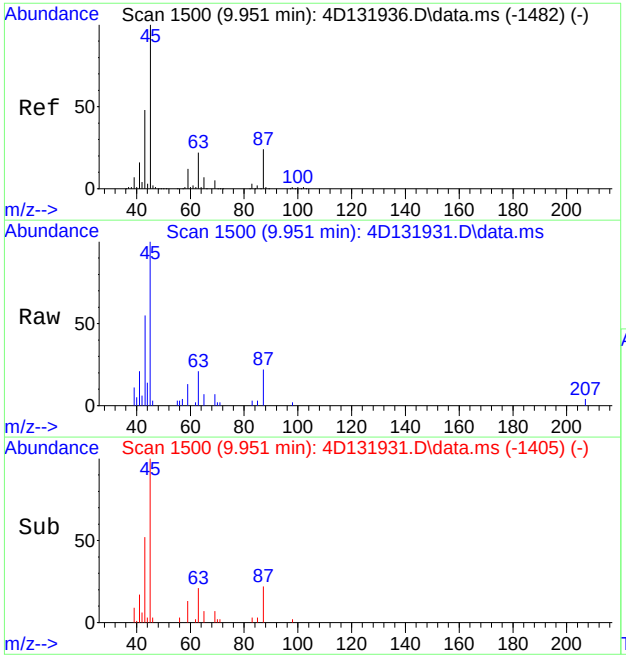


#25
trans-1,2-dichloroethene
Concen: 1.28 ug/L
RT: 9.333 min Scan# 1382
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 96 Resp: 4712

Ion	Ratio	Lower	Upper
96	100		
61	144.5	126.5	186.5
98	62.4	33.3	93.3

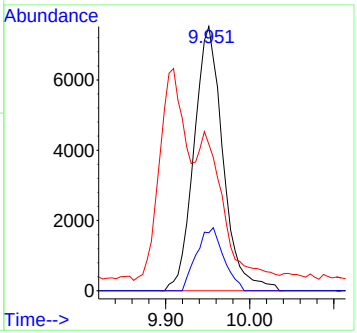


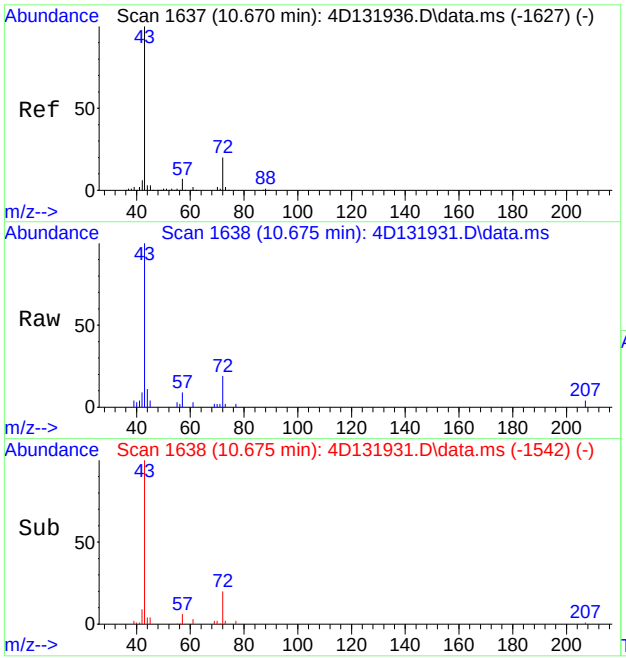


#26
di-isopropyl ether
Concen: 1.18 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 45 Resp: 18068

Ion	Ratio	Lower	Upper
45	100		
87	22.0	0.0	54.4
43	49.0	18.8	78.8

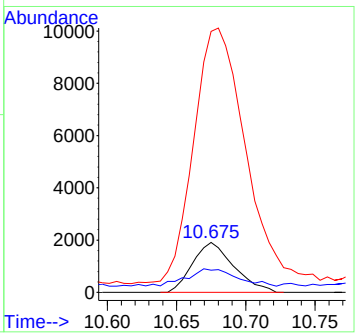


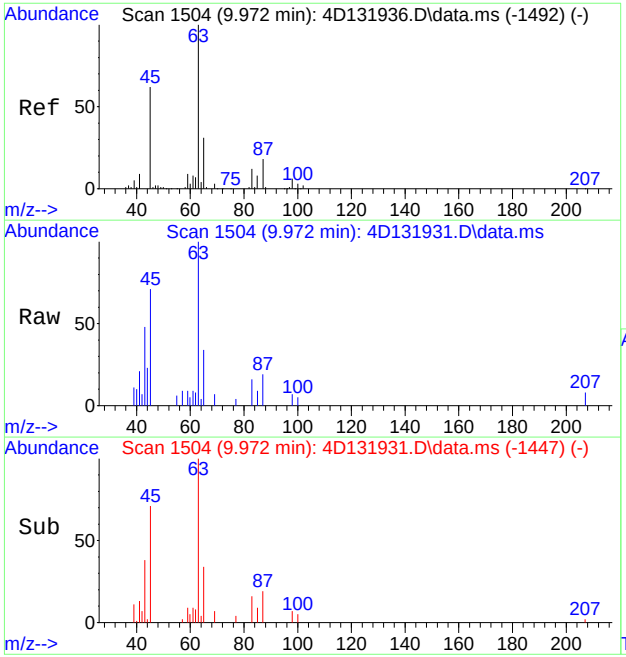


#27
2-butanone
Concen: 4.72 ug/L
RT: 10.675 min Scan# 1638
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 72 Resp: 3967

Ion	Ratio	Lower	Upper
72	100		
57	31.3	3.7	63.7
43	499.5	475.8	535.8

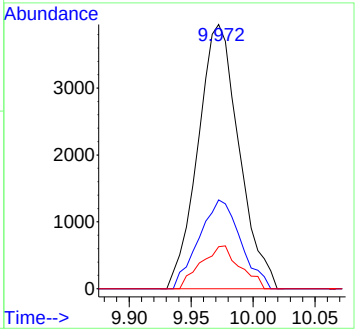


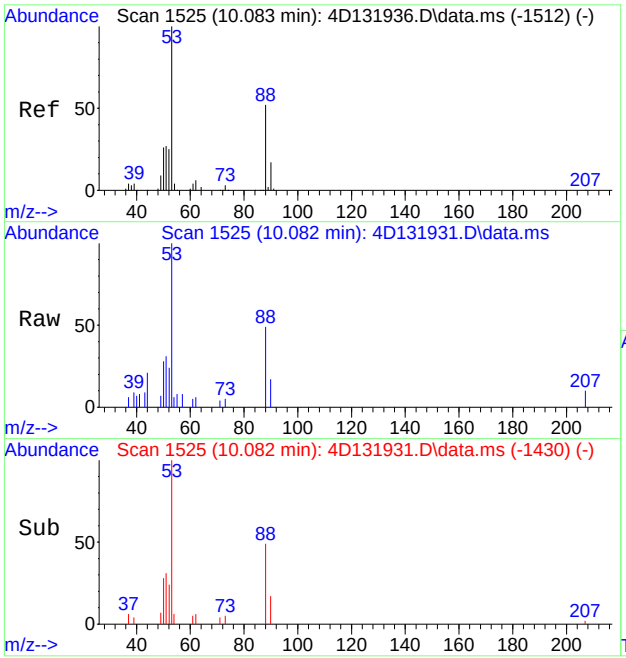


#28
1,1-dichloroethane
Concen: 1.19 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 63 Resp: 9113

Ion	Ratio	Lower	Upper
63	100		
65	33.6	0.9	60.9
83	15.9	0.0	42.3

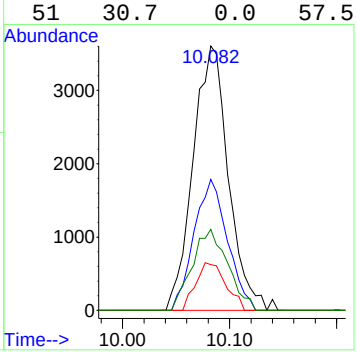


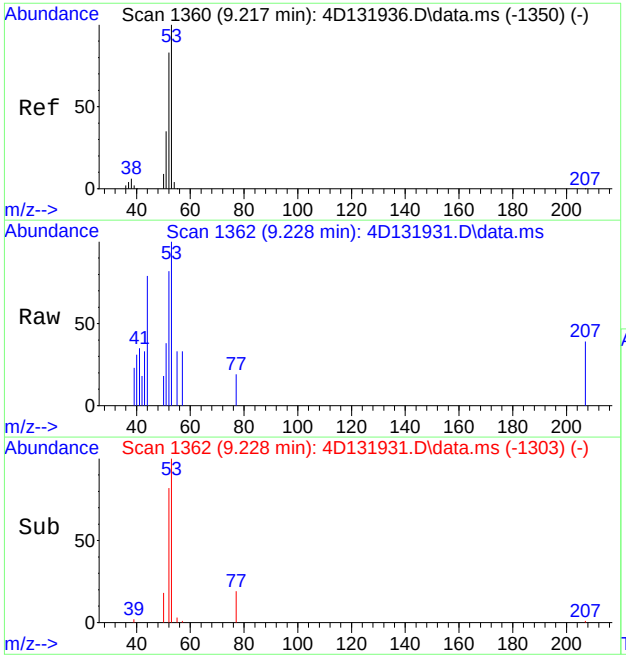


#29
chloroprene
Concen: 1.20 ug/L
RT: 10.082 min Scan# 1525
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 53 Resp: 8308

Ion	Ratio	Lower	Upper
53	100		
88	49.5	21.8	81.8
90	17.3	0.0	47.2
51	30.7	0.0	57.5

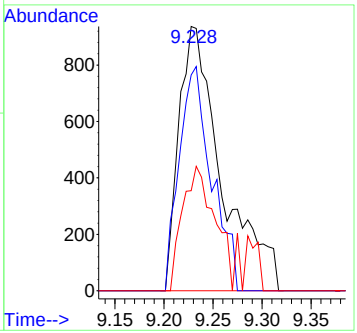


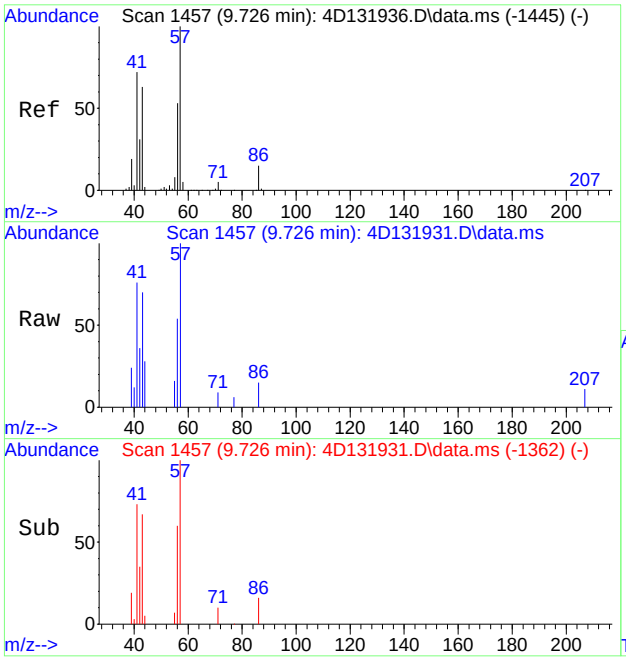


#30
acrylonitrile
Concen: 1.05 ug/L
RT: 9.228 min Scan# 1362
Delta R.T. 0.010 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 53 Resp: 2858

Ion	Ratio	Lower	Upper
53	100		
52	81.6	53.4	113.4
51	37.9	5.0	65.0

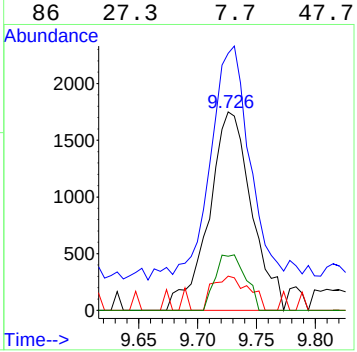


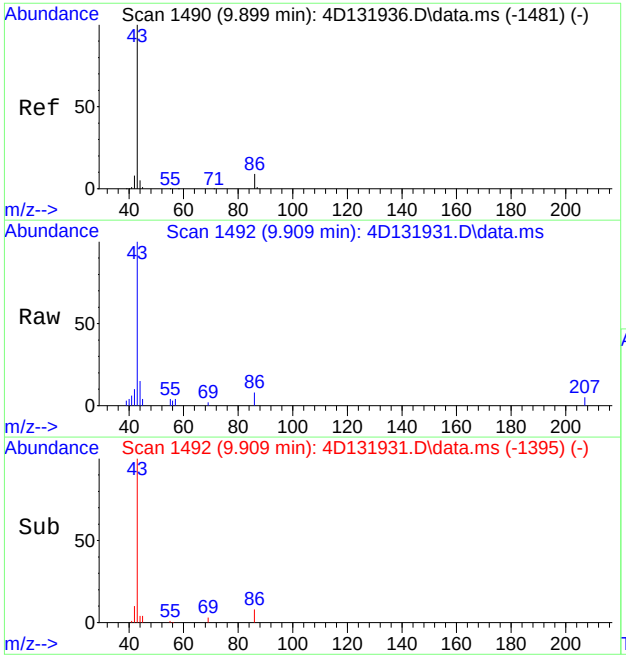


#31
hexane
Concen: 1.17 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 56 Resp: 4405

Ion	Ratio	Lower	Upper
56	100		
43	109.9	98.5	138.5
71	17.2	0.0	30.3
86	27.3	7.7	47.7

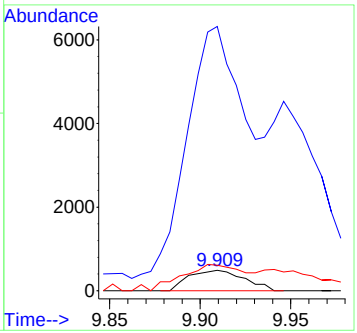


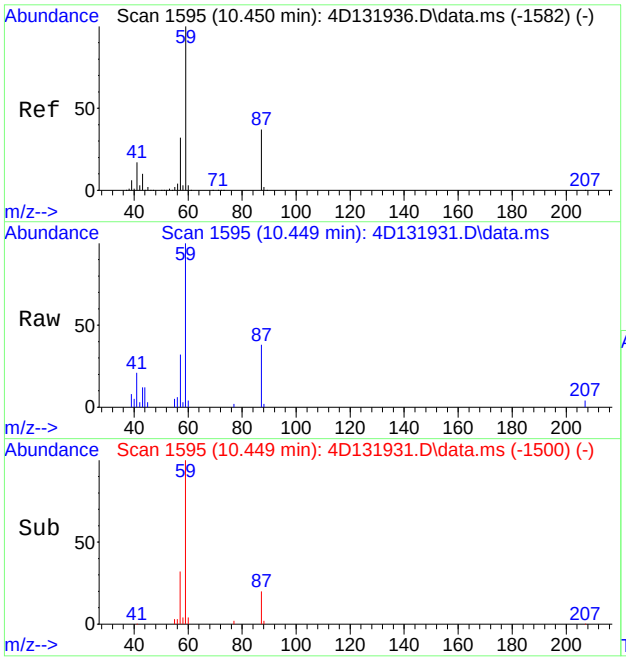


#32
vinyl acetate
Concen: 1.16 ug/L
RT: 9.909 min Scan# 1492
Delta R.T. 0.010 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 86 Resp: 1045

Ion	Ratio	Lower	Upper
86	100		
43	1111.7	1142.7	1202.7#
42	81.0	69.4	129.4

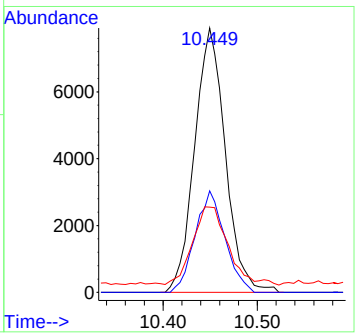


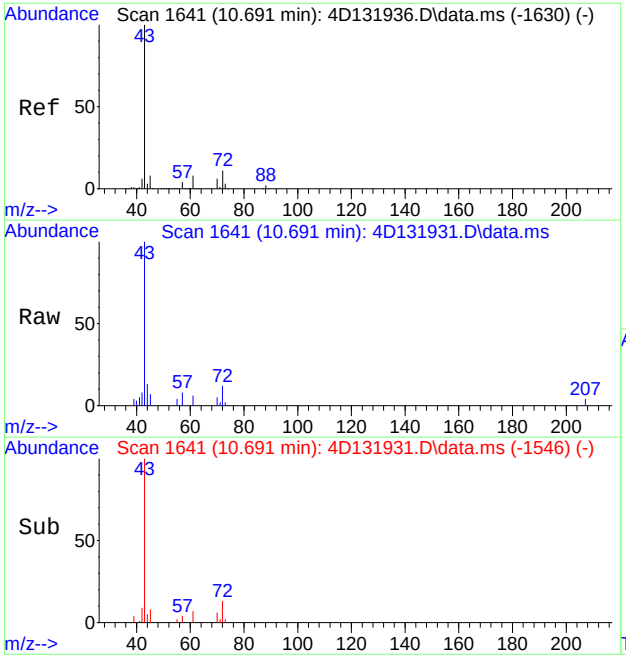


#33
ethyl tert-butyl ether
Concen: 1.21 ug/L
RT: 10.449 min Scan# 1595
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 59 Resp: 17902

Ion	Ratio	Lower	Upper
59	100		
87	38.4	6.6	66.6
57	28.9	2.2	62.2

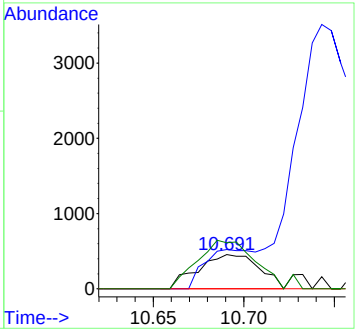


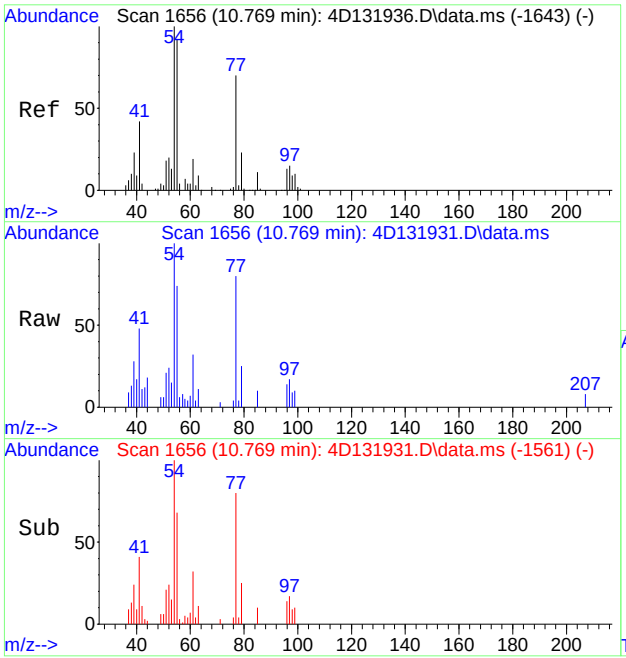


#34
ethyl acetate
Concen: 1.33 ug/L
RT: 10.691 min Scan# 1641
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 70 Resp: 1071

Ion	Ratio	Lower	Upper
70	100		
61	115.4	108.4	168.4
88	0.0	5.9	65.9#
45	134.8	110.6	170.6

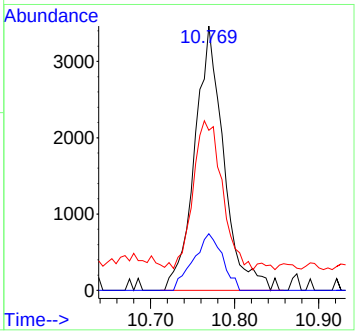


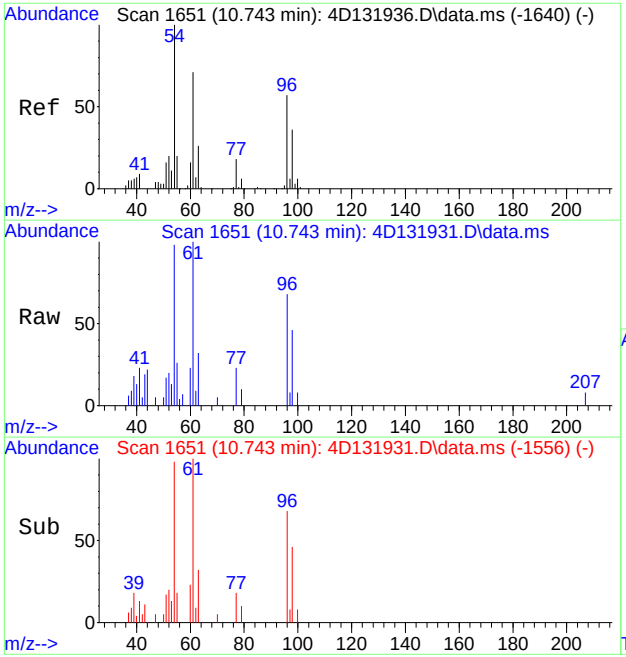


#35
2,2-dichloropropane
Concen: 1.26 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 77 Resp: 8320

Ion	Ratio	Lower	Upper
77	100		
97	21.4	0.0	51.9
41	50.9	29.6	89.6

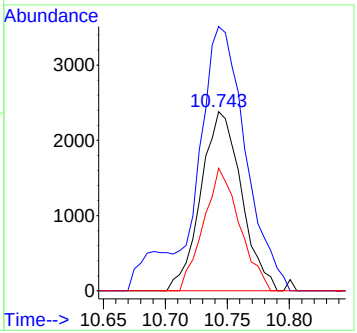


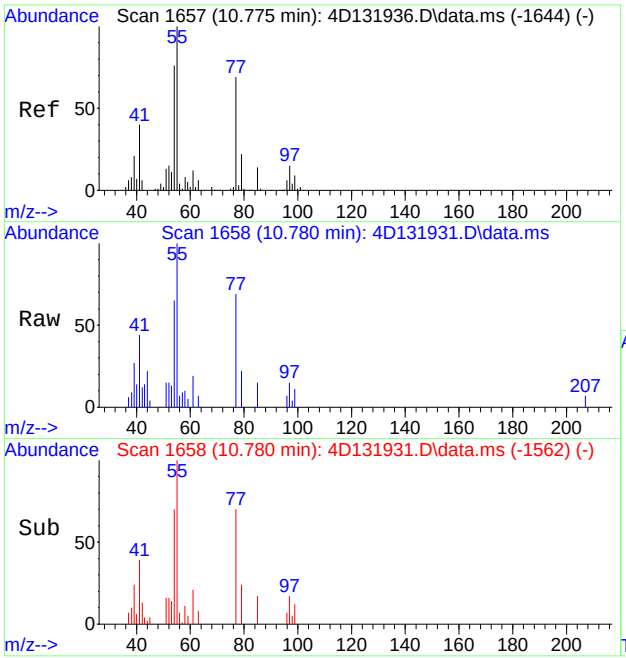


#36
cis-1,2-dichloroethene
Concen: 1.18 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 96 Resp: 5408

Ion	Ratio	Lower	Upper
96	100		
61	139.7	119.6	179.6
98	68.4	34.3	94.3

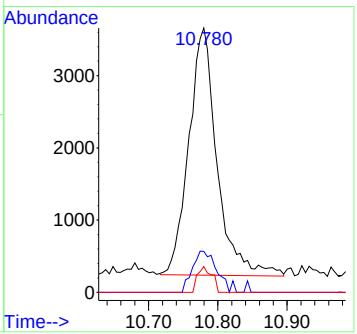


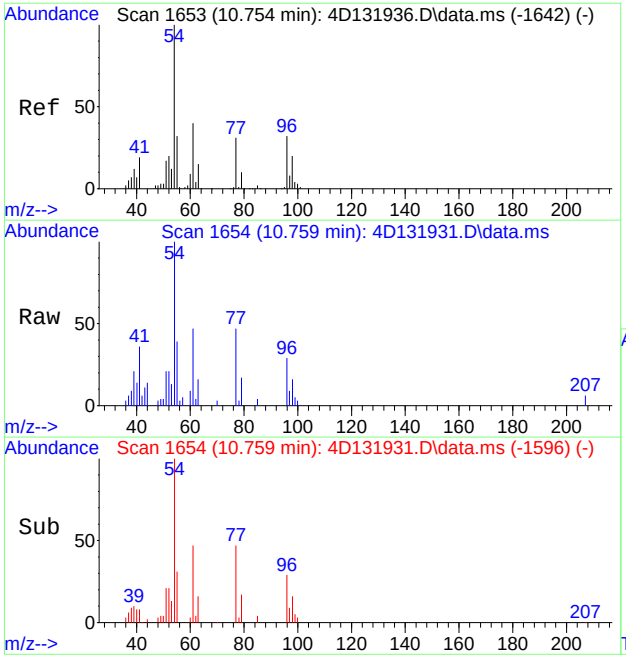


#37
methyl acrylate
Concen: 1.21 ug/L
RT: 10.780 min Scan# 1658
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 55 Resp: 9683

Ion	Ratio	Lower	Upper
55	100		
85	16.6	0.0	43.7
58	10.5	0.0	38.0

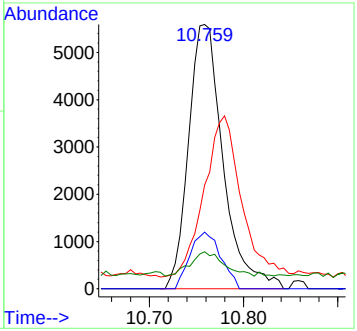


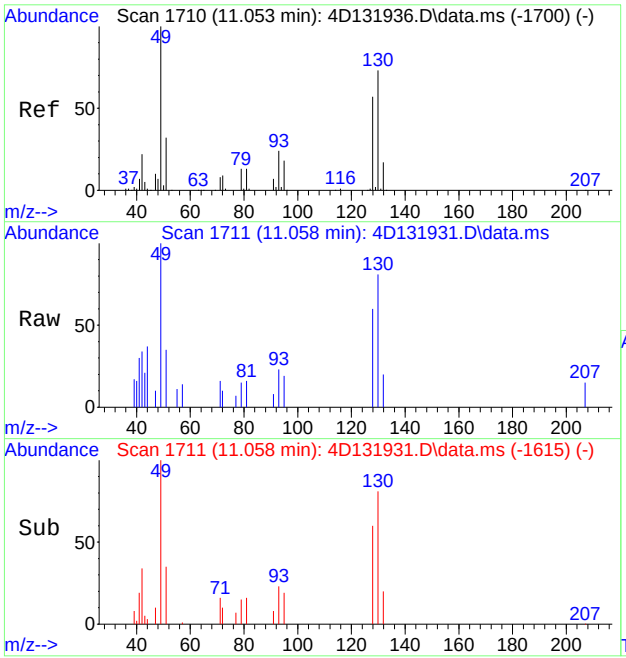


#38
propionitrile
Concen: 12.86 ug/L
RT: 10.759 min Scan# 1654
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 54 Resp: 14250

Ion	Ratio	Lower	Upper
54	100		
52	21.4	0.0	49.8
55	34.7	2.6	62.6
40	8.8	0.0	37.4

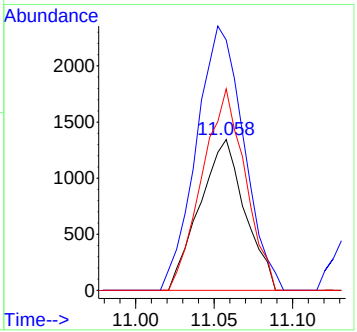


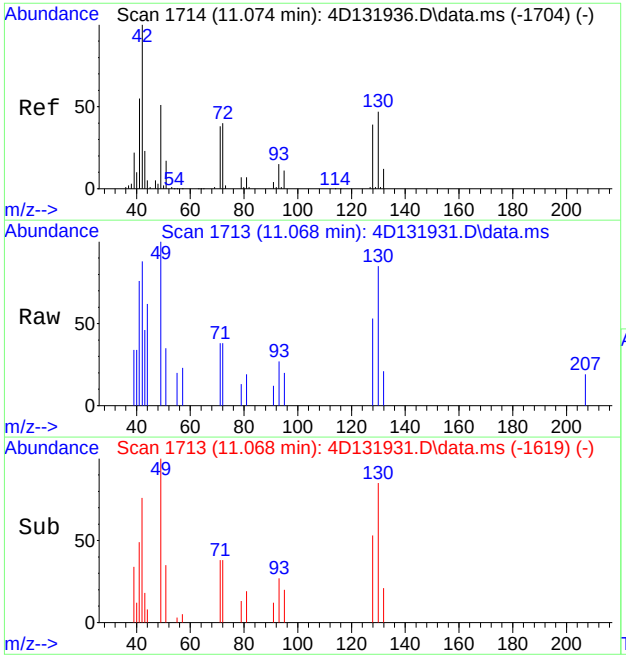


#39
bromochloromethane
Concen: 1.29 ug/L
RT: 11.058 min Scan# 1711
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:128 Resp: 2702

Ion	Ratio	Lower	Upper
128	100		
49	165.9	145.9	205.9
130	133.6	97.8	157.8

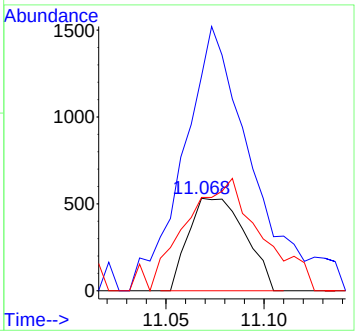


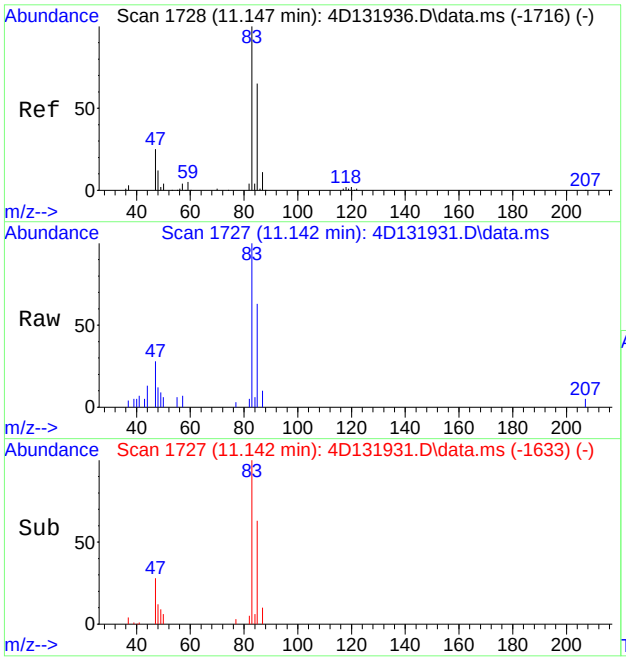


#40
tetrahydrofuran
Concen: 1.10 ug/L
RT: 11.068 min Scan# 1713
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 72 Resp: 1068

Ion	Ratio	Lower	Upper
72	100		
42	173.7	219.9	279.9#
71	68.7	66.1	126.1

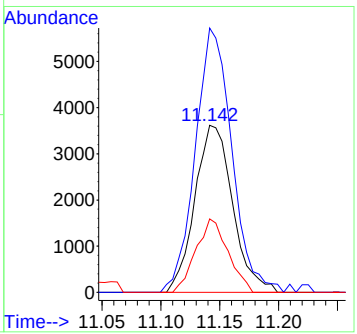


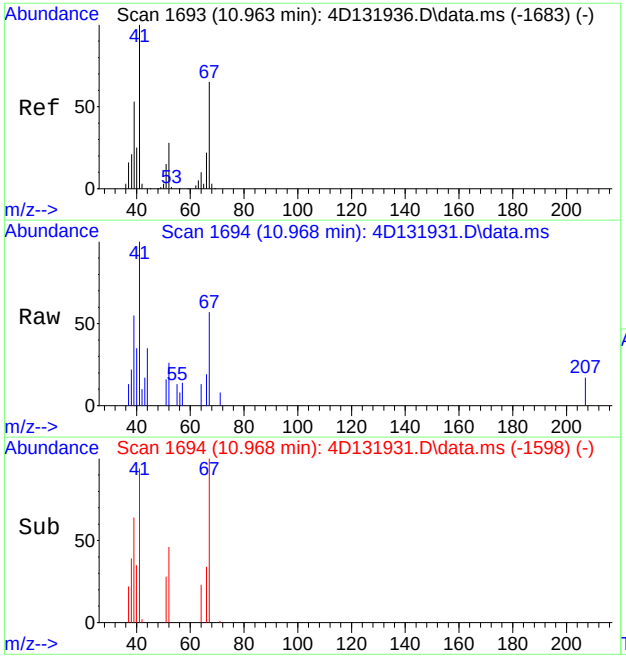


#41
chloroform
Concen: 1.20 ug/L
RT: 11.142 min Scan# 1727
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 85 Resp: 8099

Ion	Ratio	Lower	Upper
85	100		
83	158.4	123.5	183.5
47	44.0	9.8	69.8

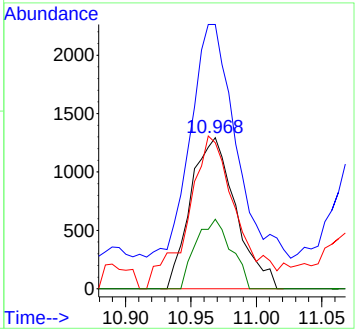


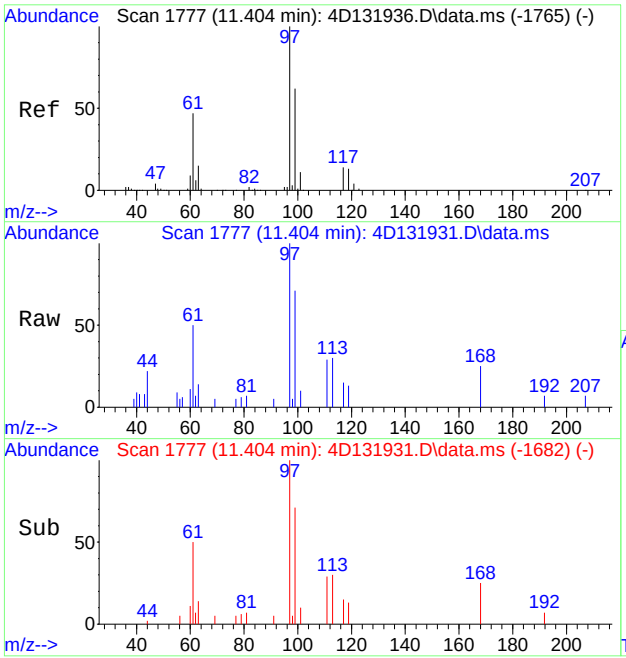


#44
methacrylonitrile
Concen: 1.25 ug/L
RT: 10.968 min Scan# 1694
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 67 Resp: 3106

Ion	Ratio	Lower	Upper
67	100		
41	149.1	123.0	183.0
39	81.2	50.9	110.9
52	46.0	12.9	72.9

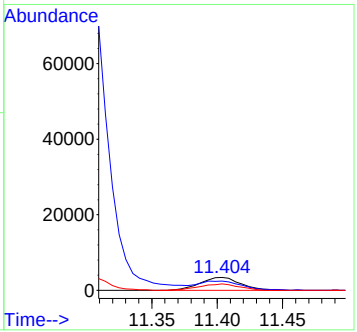


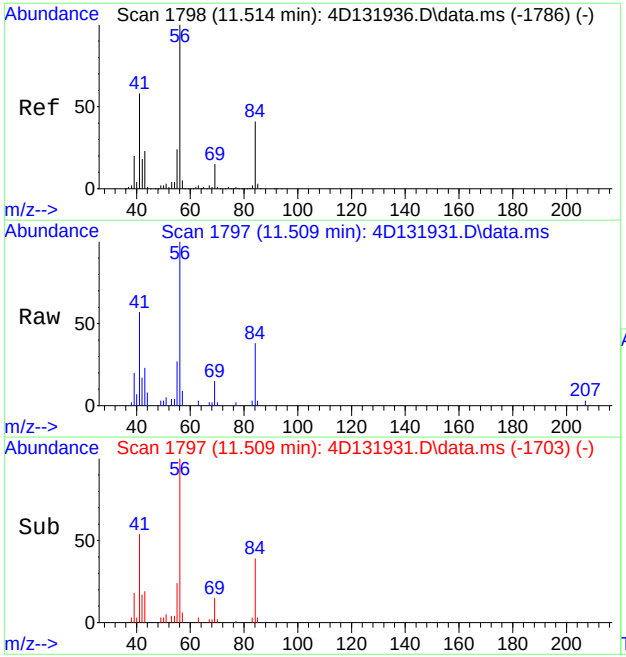


#45
1,1,1-trichloroethane
Concen: 1.30 ug/L
RT: 11.404 min Scan# 1777
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 97 Resp: 7439

Ion	Ratio	Lower	Upper
97	100		
99	65.3	34.4	94.4
61	50.0	16.6	76.6

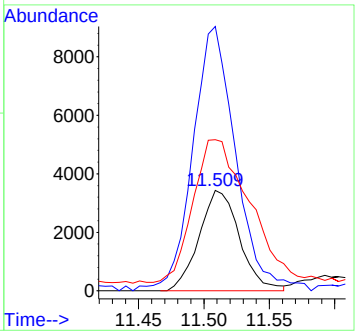


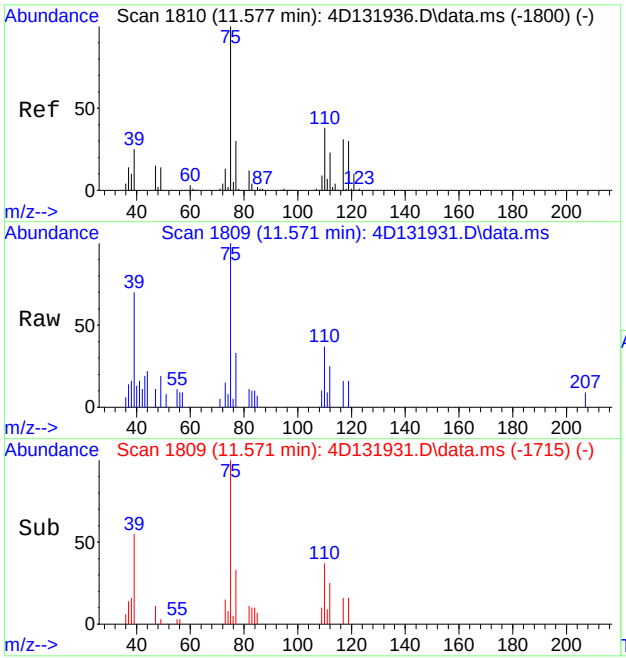


#46
cyclohexane
Concen: 1.32 ug/L
RT: 11.509 min Scan# 1797
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 84 Resp: 7407

Ion	Ratio	Lower	Upper
84	100		
56	255.6	225.3	265.3
41	140.6	121.5	161.5

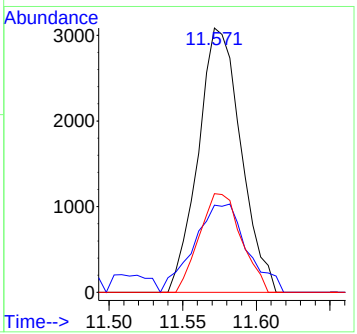


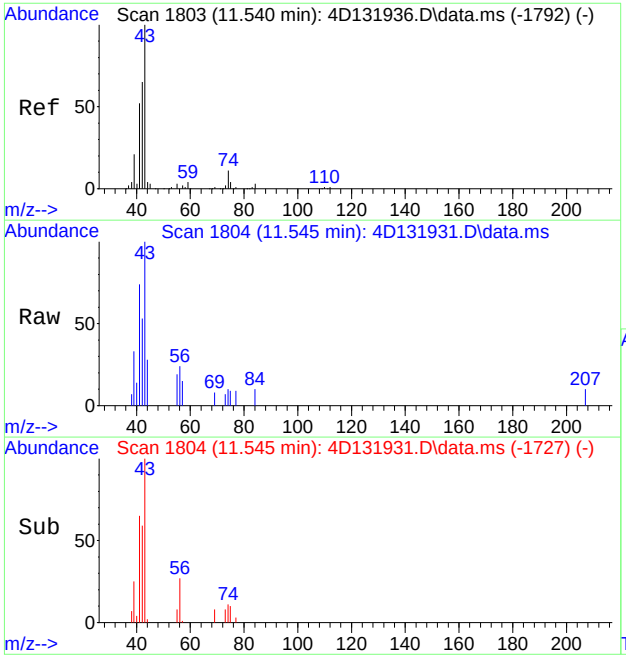


#47
1,1-dichloropropene
Concen: 1.25 ug/L
RT: 11.571 min Scan# 1809
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 75 Resp: 6222

Ion	Ratio	Lower	Upper
75	100		
77	33.0	11.0	51.0
110	37.3	17.6	57.6

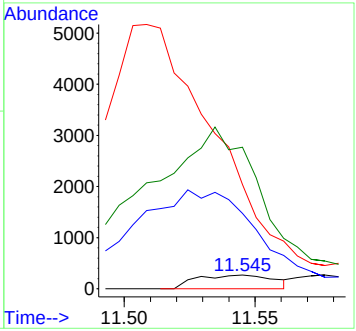


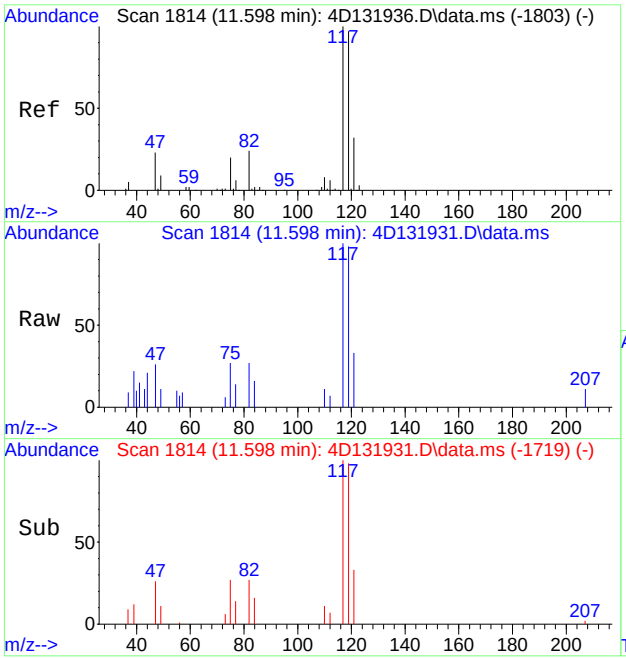


#48
isobutyl alcohol
Concen: 11.02 ug/L
RT: 11.545 min Scan# 1804
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 74 Resp: 556

Ion	Ratio	Lower	Upper
74	100		
42	305.6	546.1	606.1#
41	412.3	593.5	653.5#
43	662.5	856.3	916.3#

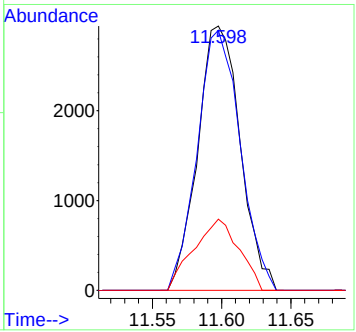


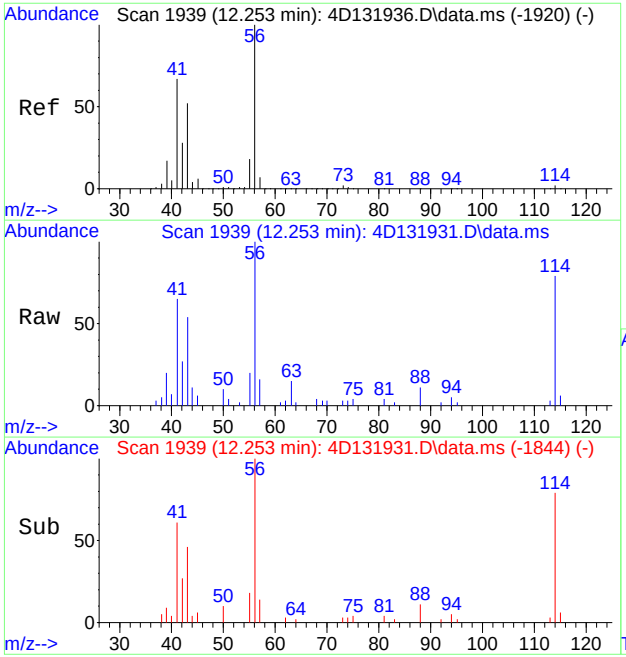


#49
carbon tetrachloride
Concen: 1.25 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:117 Resp: 6285

Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.2	117.2
82	27.0	4.2	44.2

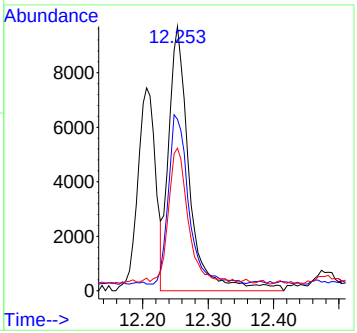


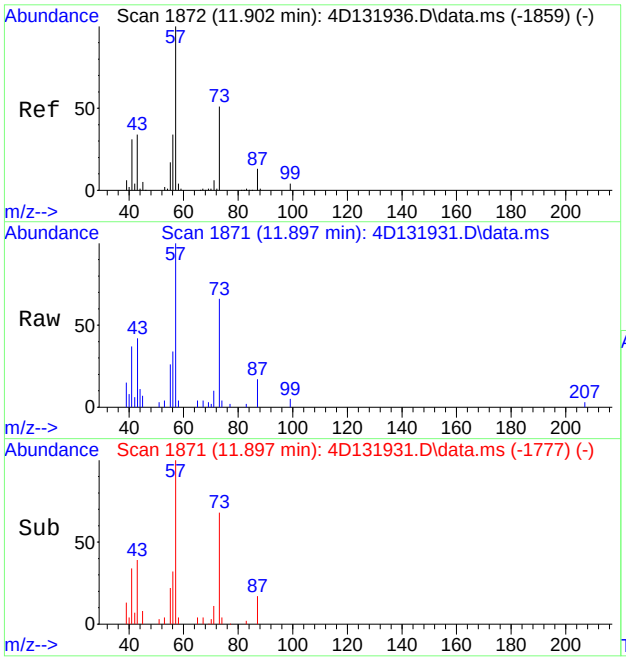


#53
n-butyl alcohol
Concen: 65.23 ug/L
RT: 12.253 min Scan# 1939
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 56 Resp: 21260

Ion	Ratio	Lower	Upper
56	100		
41	61.5	36.6	96.6
43	50.8	22.4	82.4

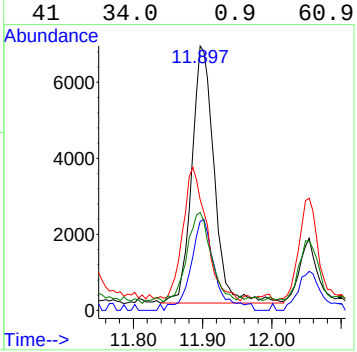


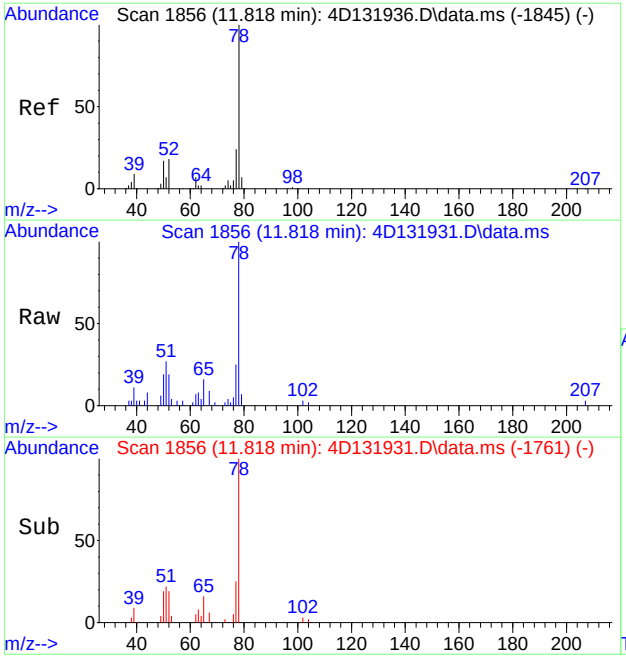


#54
2,2,4-trimethylpentane
Concen: 1.35 ug/L
RT: 11.897 min Scan# 1871
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 57 Resp: 15146

Ion	Ratio	Lower	Upper
57	100		
56	34.6	3.6	63.6
43	38.4	4.6	64.6
41	34.0	0.9	60.9

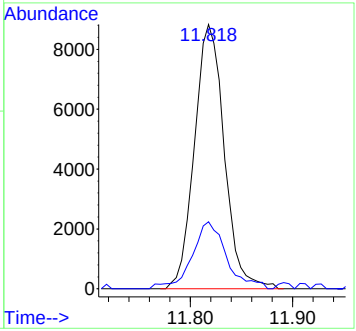


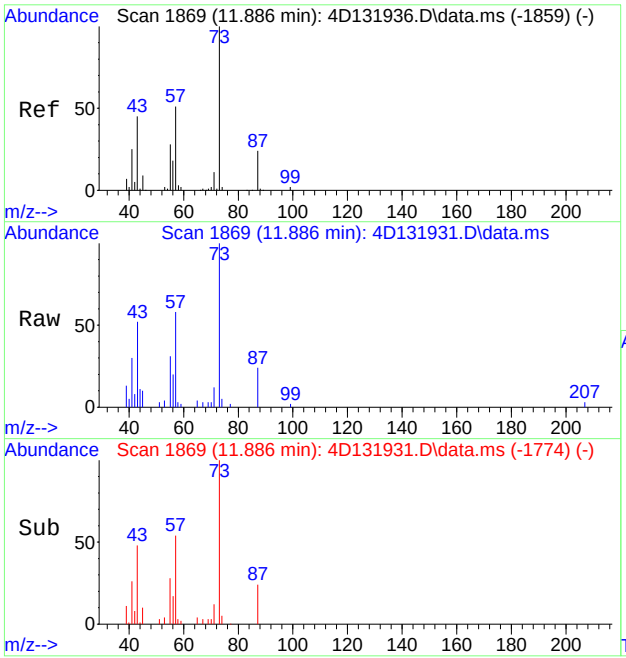


#55
benzene
Concen: 1.19 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 78 Resp: 17922

Ion	Ratio	Lower	Upper
78	100		
77	23.6	0.0	53.7

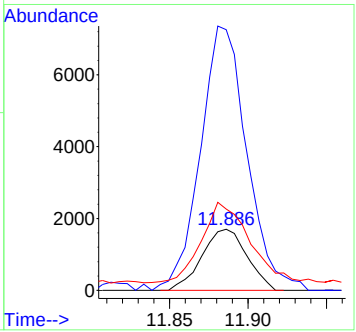


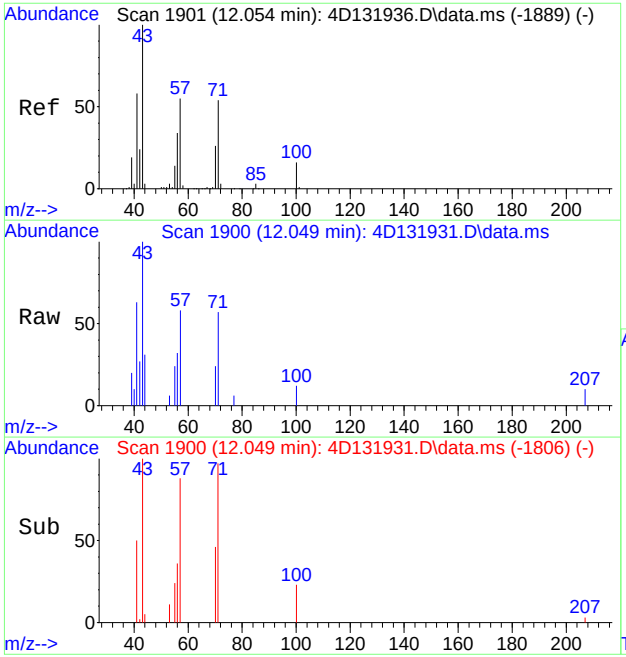


#56
tert-amyl methyl ether
Concen: 1.26 ug/L
RT: 11.886 min Scan# 1869
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 87 Resp: 3403

Ion	Ratio	Lower	Upper
87	100		
73	415.8	382.6	442.6
55	118.4	85.4	145.4

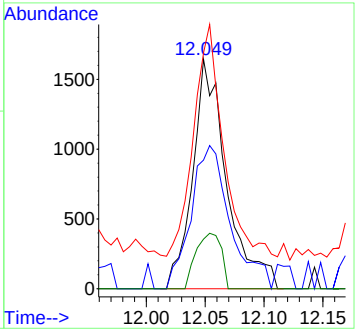


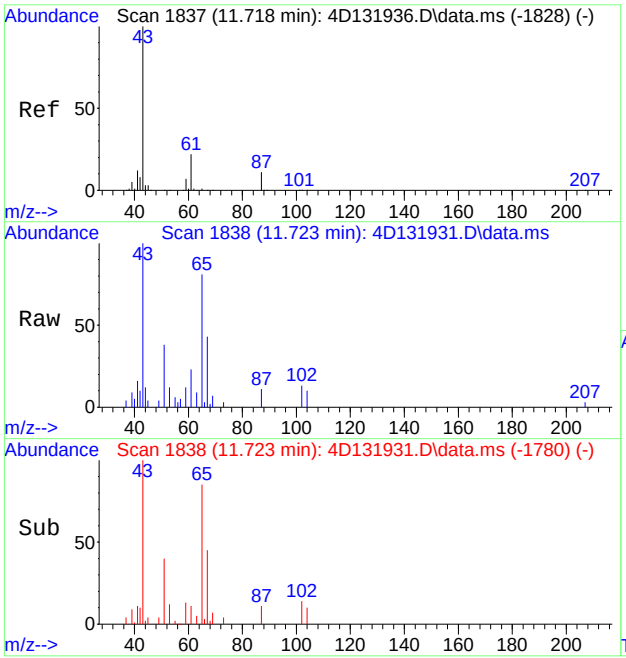


#57
heptane
Concen: 1.36 ug/L
RT: 12.049 min Scan# 1900
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 71 Resp: 3306

Ion	Ratio	Lower	Upper
71	100		
56	56.0	33.0	93.0
57	88.0	72.2	132.2
100	21.6	0.3	60.3

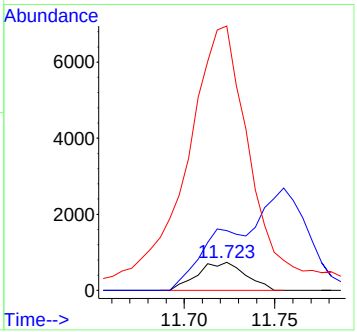


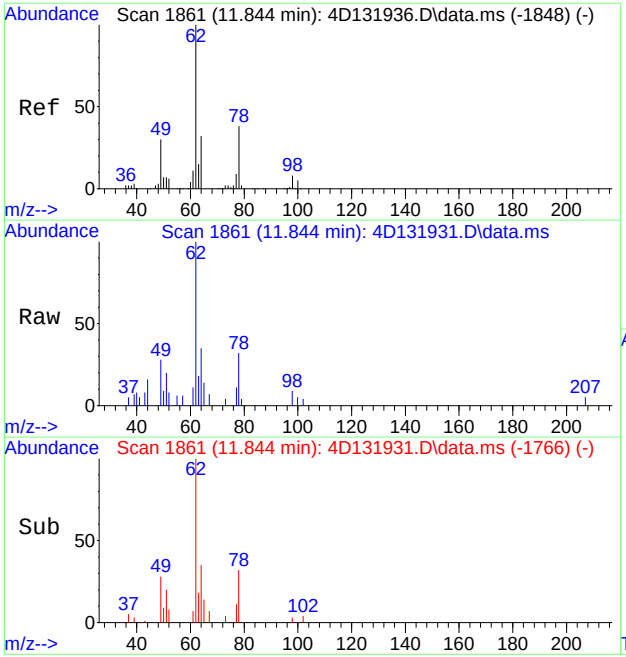


#58
isopropyl acetate
Concen: 1.32 ug/L
RT: 11.723 min Scan# 1838
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 87 Resp: 1361

Ion	Ratio	Lower	Upper
87	100		
61	212.2	170.1	230.1
43	834.2	919.0	979.0#

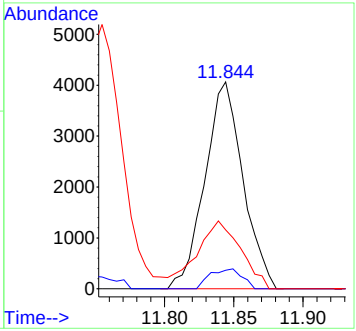


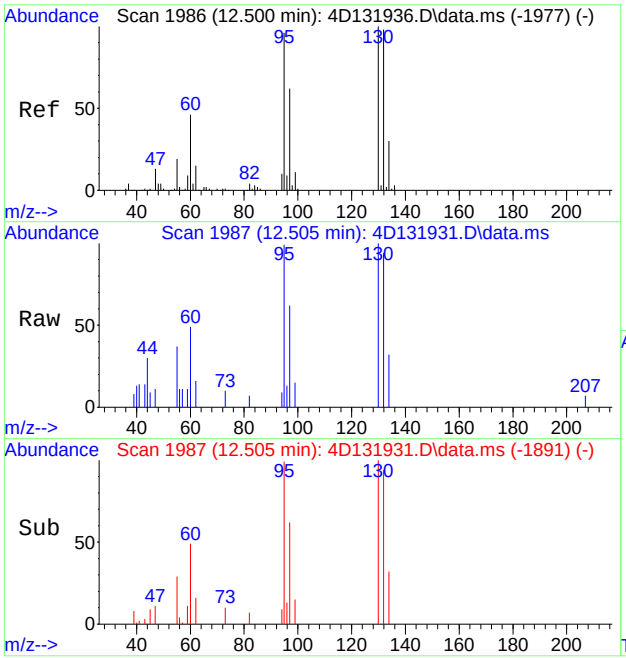


#59
1,2-dichloroethane
Concen: 1.24 ug/L
RT: 11.844 min Scan# 1861
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 62 Resp: 7762

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	38.5
49	28.4	1.1	61.1

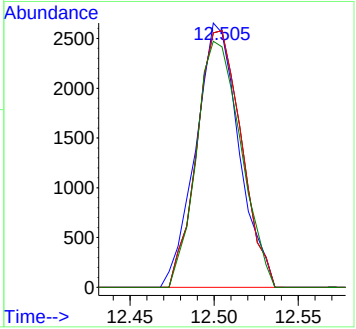


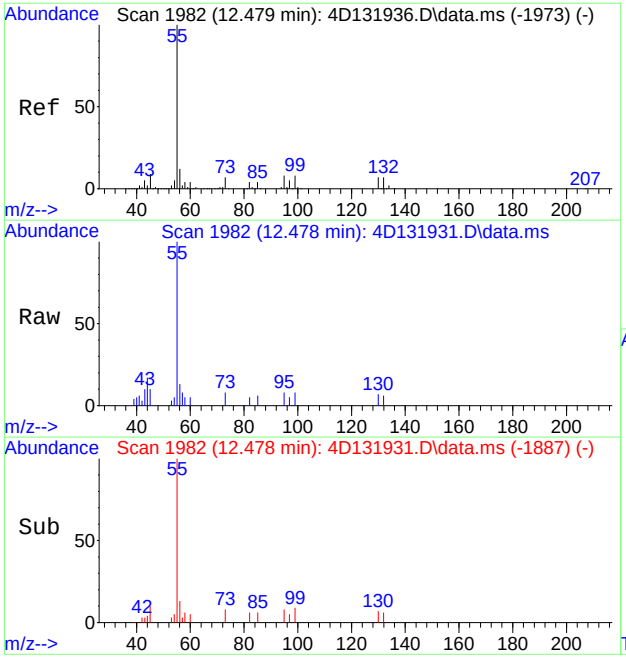


#60
trichloroethene
Concen: 1.19 ug/L
RT: 12.505 min Scan# 1987
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:130 Resp: 4737

Ion	Ratio	Lower	Upper
130	100		
95	99.0	65.8	125.8
130	100.0	70.0	130.0
132	93.6	67.8	127.8

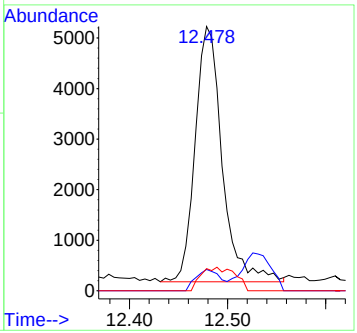


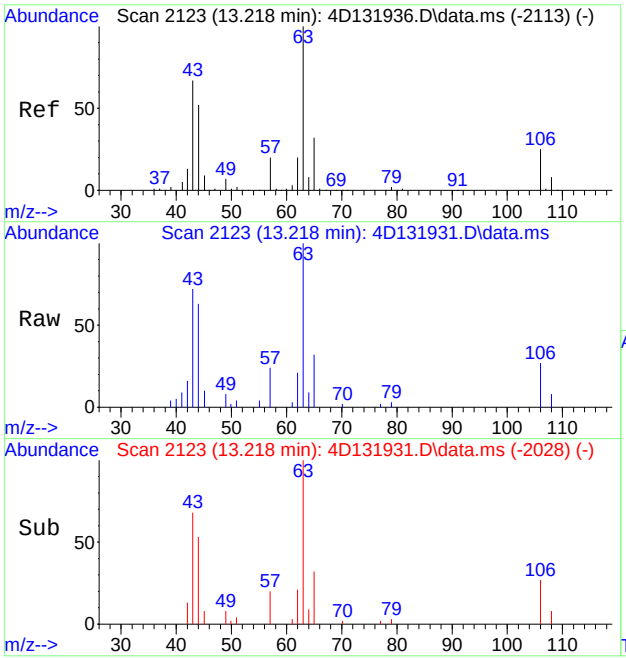


#61
ethyl acrylate
Concen: 1.29 ug/L
RT: 12.478 min Scan# 1982
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 55 Resp: 9688

Ion	Ratio	Lower	Upper
55	100		
73	8.4	0.0	26.5
99	8.7	0.0	27.5

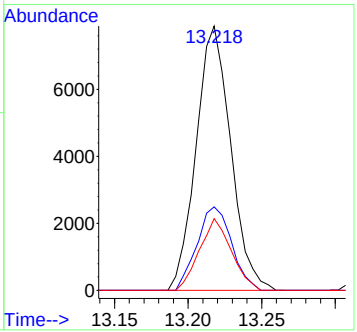


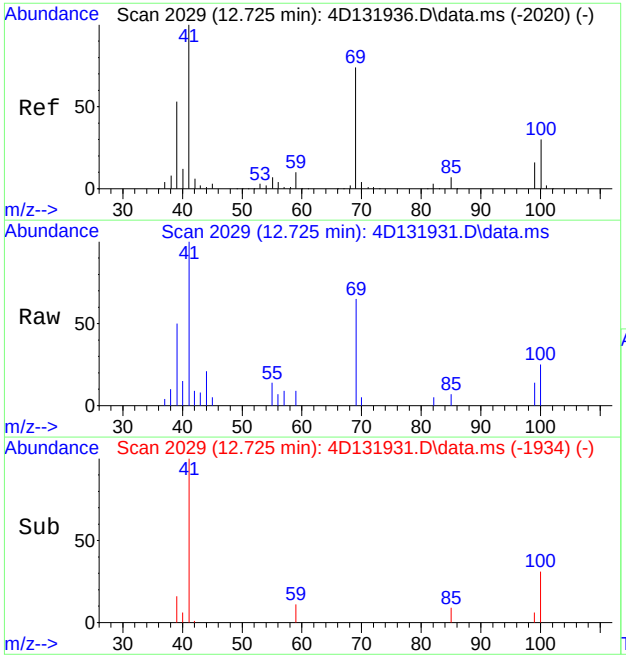


#63
2-chloroethyl vinyl ether
Concen: 5.57 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 63 Resp: 12867

Ion	Ratio	Lower	Upper
63	100		
65	31.6	1.7	61.7
106	27.2	0.0	55.3

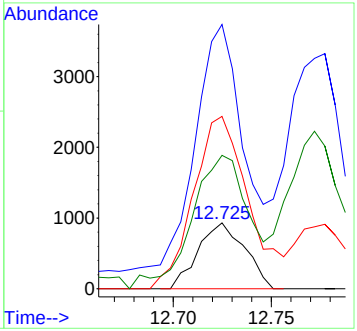


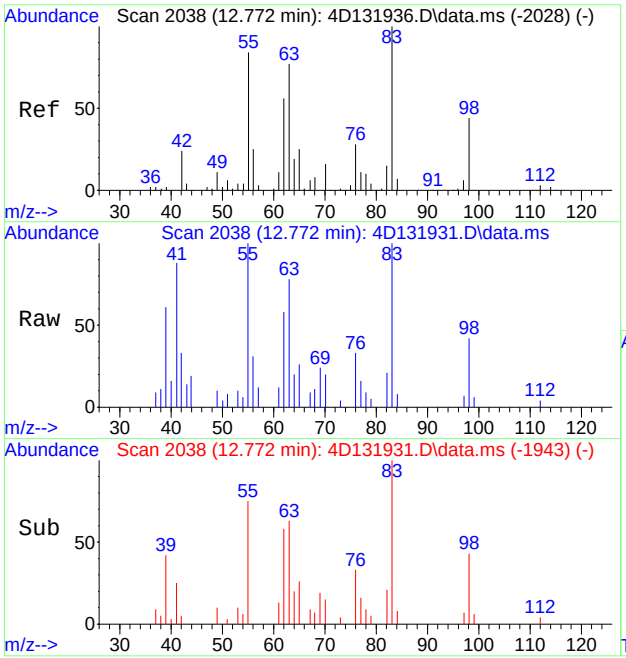


#64
methyl methacrylate
Concen: 1.06 ug/L
RT: 12.725 min Scan# 2029
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:100 Resp: 1541

Ion	Ratio	Lower	Upper
100	100		
41	365.0	304.3	364.3#
69	242.8	217.8	277.8
39	183.7	148.5	208.5

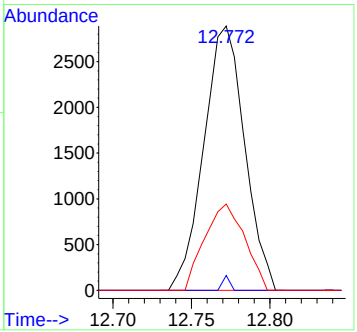


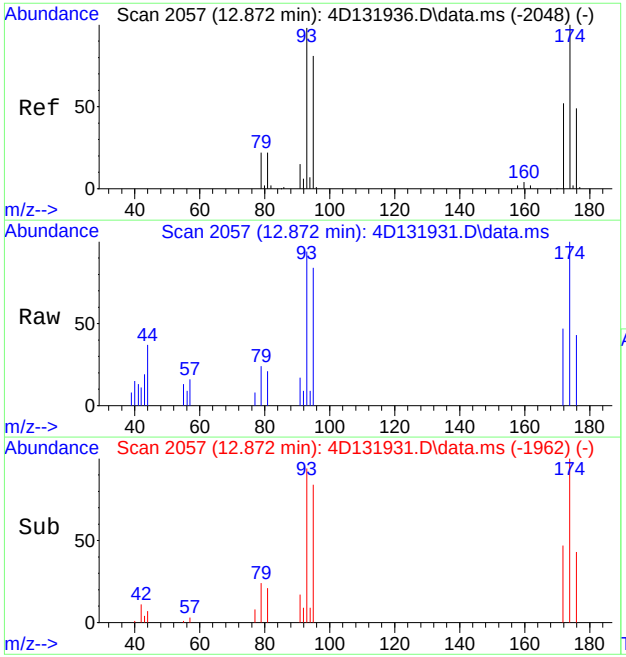


#65
1,2-dichloropropane
Concen: 1.34 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 63 Resp: 5229

Ion	Ratio	Lower	Upper
63	100		
112	5.6	0.0	33.7
65	32.6	1.9	61.9

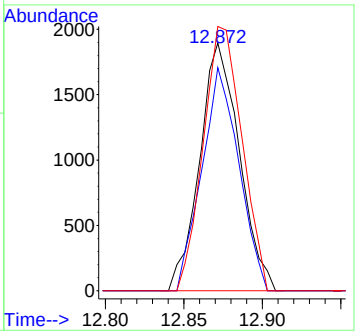


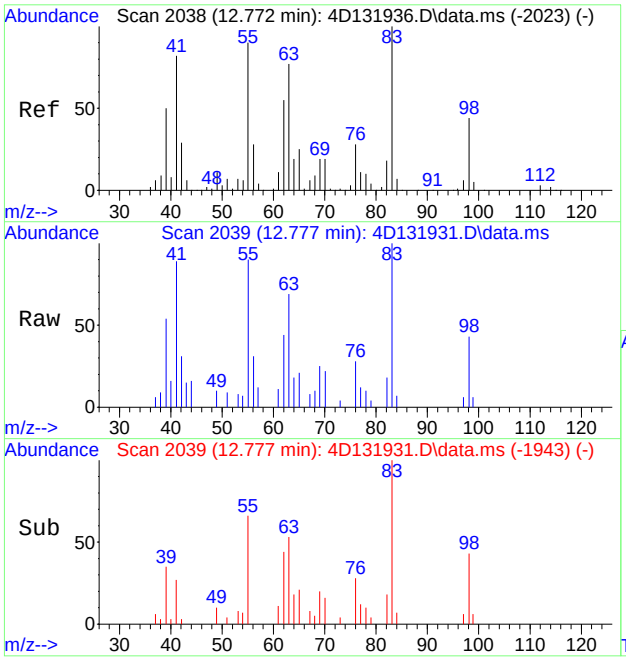


#66
dibromomethane
Concen: 1.29 ug/L
RT: 12.872 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 93 Resp: 3333

Ion	Ratio	Lower	Upper
93	100		
95	90.1	52.6	112.6
174	106.8	72.4	132.4

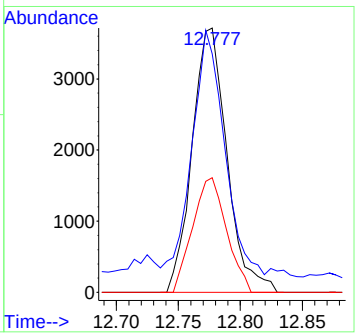


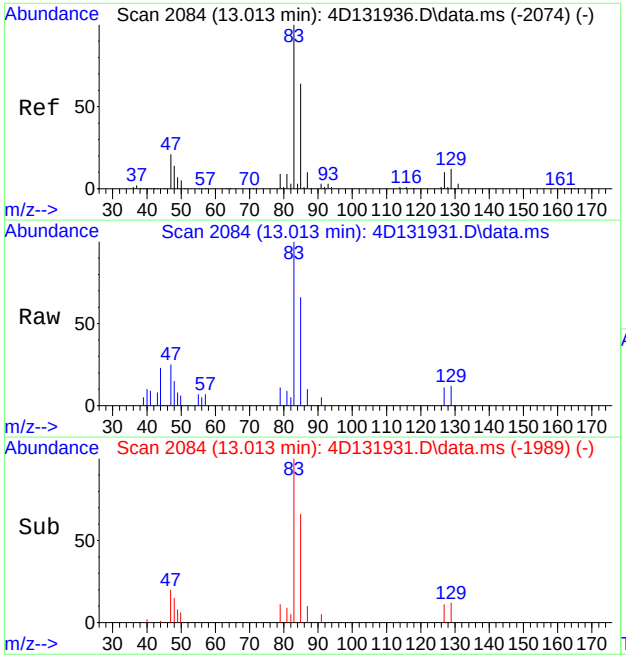


#67
methylcyclohexane
Concen: 1.25 ug/L
RT: 12.777 min Scan# 2039
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 83 Resp: 7278

Ion	Ratio	Lower	Upper
83	100		
55	81.9	60.5	120.5
98	43.4	14.1	74.1

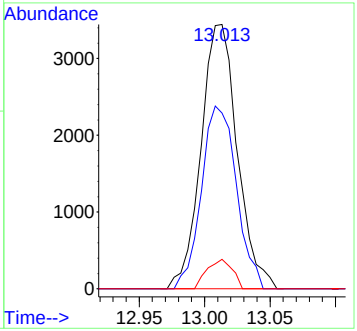


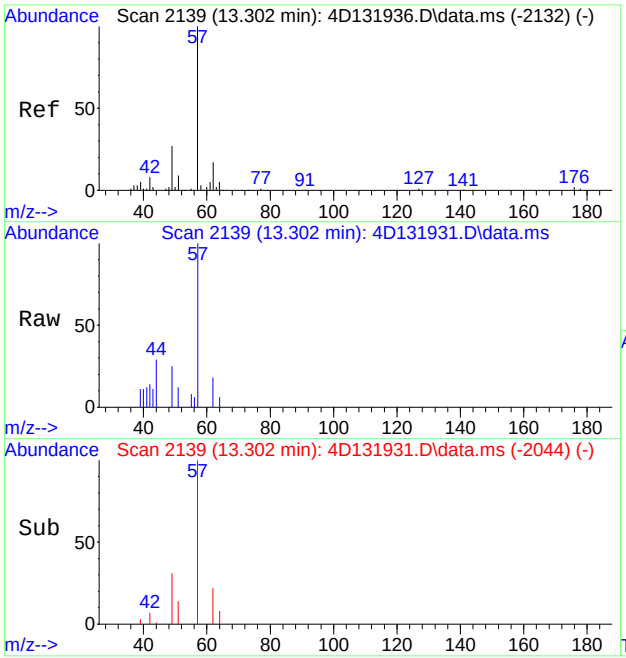


#68
bromodichloromethane
Concen: 1.21 ug/L
RT: 13.013 min Scan# 2084
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 83 Resp: 6656

Ion	Ratio	Lower	Upper
83	100		
85	66.4	34.4	94.4
127	11.2	0.0	39.7

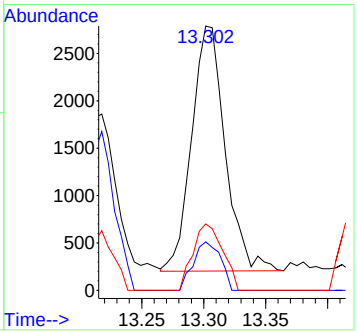


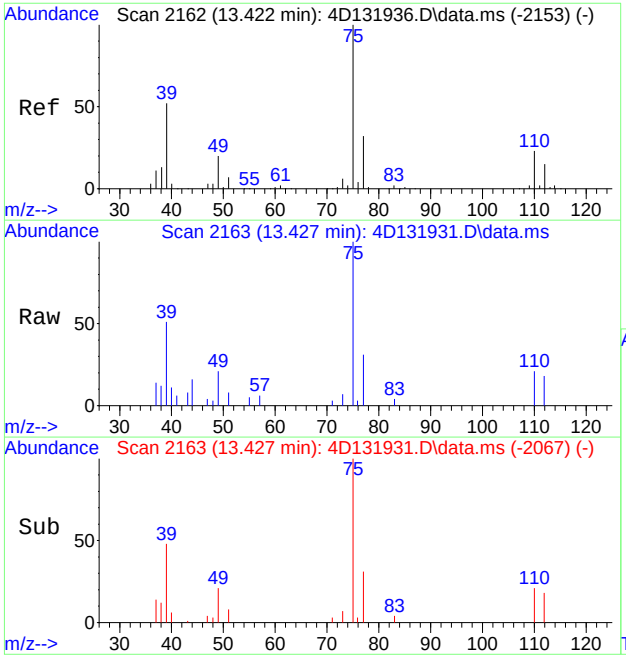


#69
epichlorohydrin
Concen: 5.97 ug/L
RT: 13.302 min Scan# 2139
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 57 Resp: 4865

Ion	Ratio	Lower	Upper
57	100		
62	19.8	0.0	37.4
49	27.1	6.8	46.8

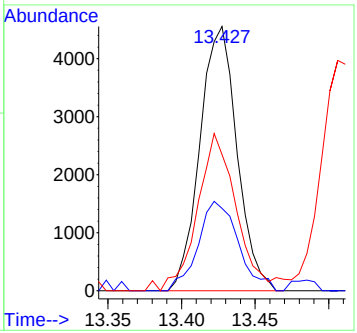


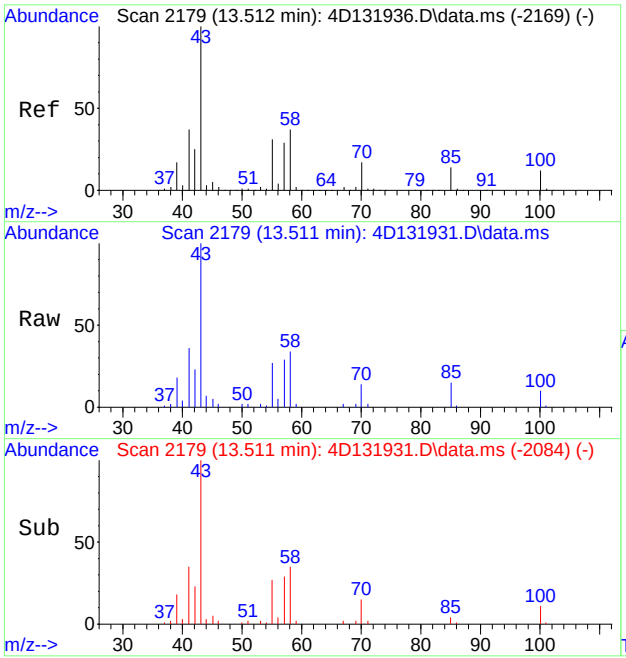


#70
cis-1,3-dichloropropene
Concen: 1.24 ug/L
RT: 13.427 min Scan# 2163
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 75 Resp: 7984

Ion	Ratio	Lower	Upper
75	100		
77	31.2	1.9	61.9
39	51.5	22.1	82.1

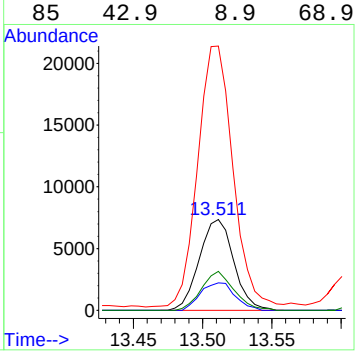


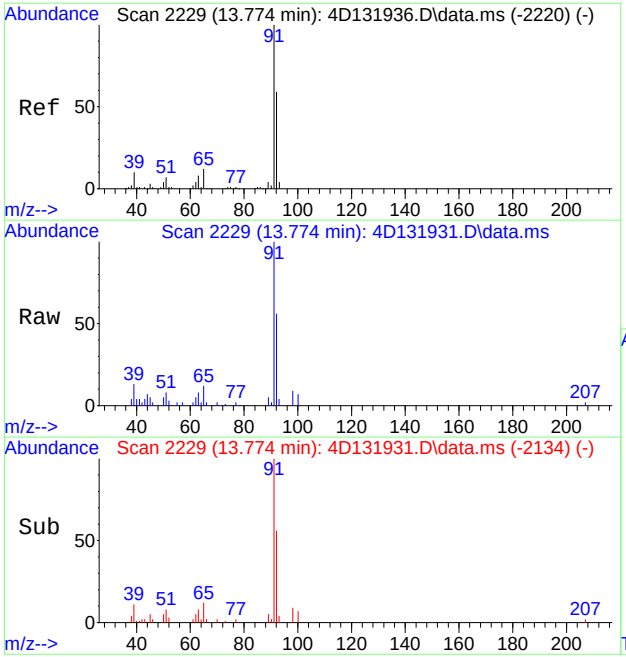


#71
4-methyl-2-pentanone
Concen: 5.18 ug/L
RT: 13.511 min Scan# 2179
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 58 Resp: 12734

Ion	Ratio	Lower	Upper
58	100		
100	30.2	2.6	62.6
43	285.9	244.0	304.0
85	42.9	8.9	68.9

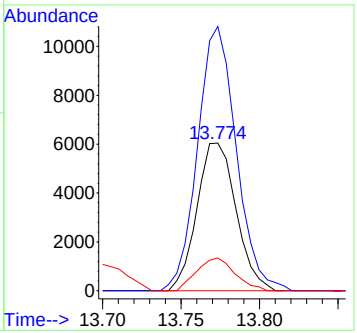


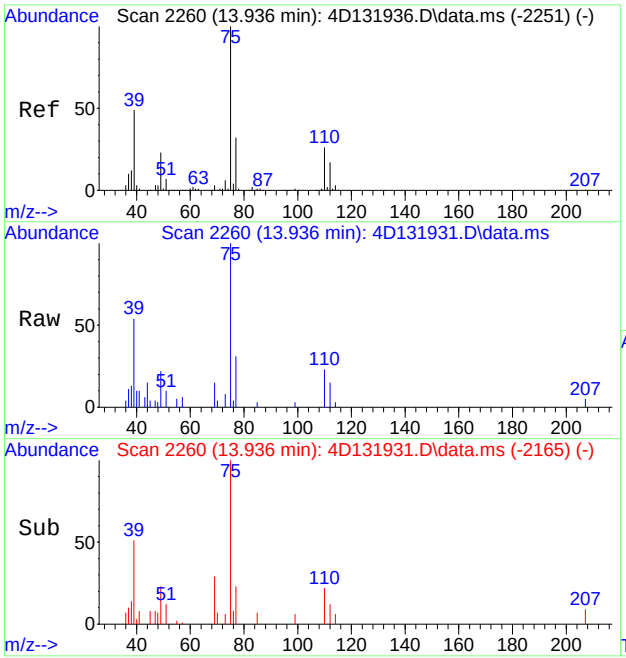


#75
toluene
Concen: 1.16 ug/L
RT: 13.774 min Scan# 2229
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 92 Resp: 10509

Ion	Ratio	Lower	Upper
92	100		
91	178.9	150.1	190.1
65	22.2	0.0	39.8

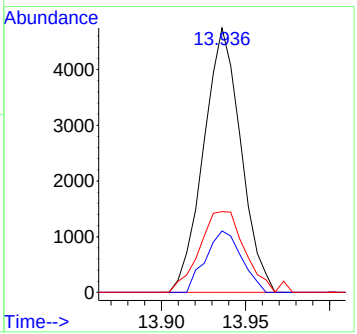


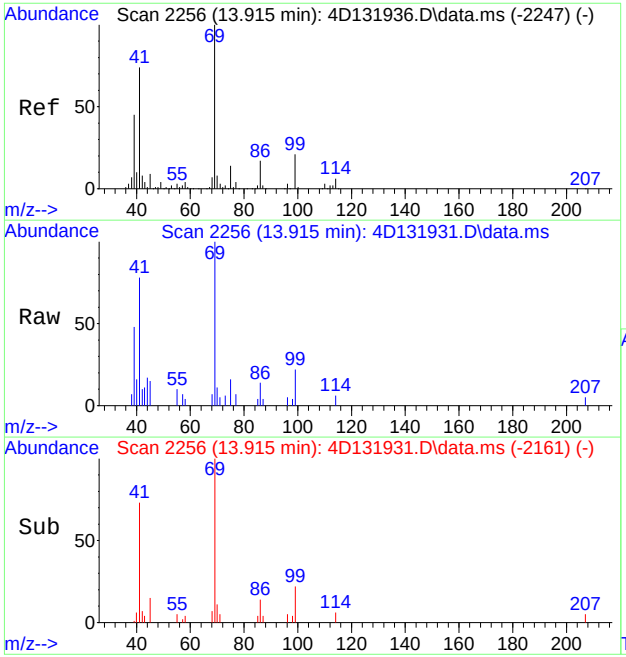


#76
trans-1,3-dichloropropene
Concen: 1.27 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 75 Resp: 7340

Ion	Ratio	Lower	Upper
75	100		
110	23.2	5.6	45.6
77	30.5	12.5	52.5

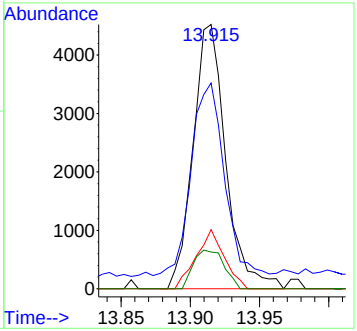


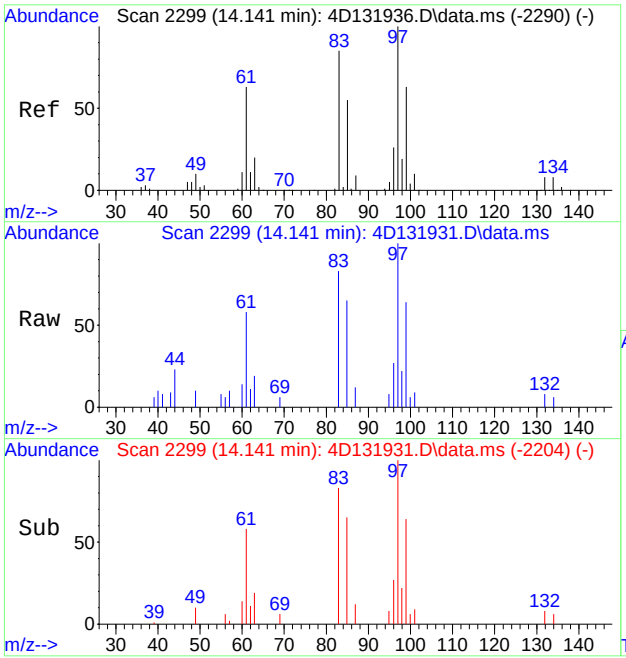


#77
ethyl methacrylate
Concen: 1.30 ug/L
RT: 13.915 min Scan# 2256
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 69 Resp: 7442

Ion	Ratio	Lower	Upper
69	100		
41	71.9	53.7	93.7
99	22.3	0.5	40.5
86	13.9	0.0	36.5

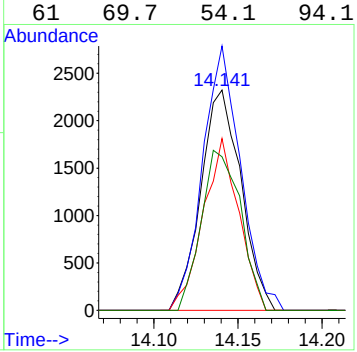


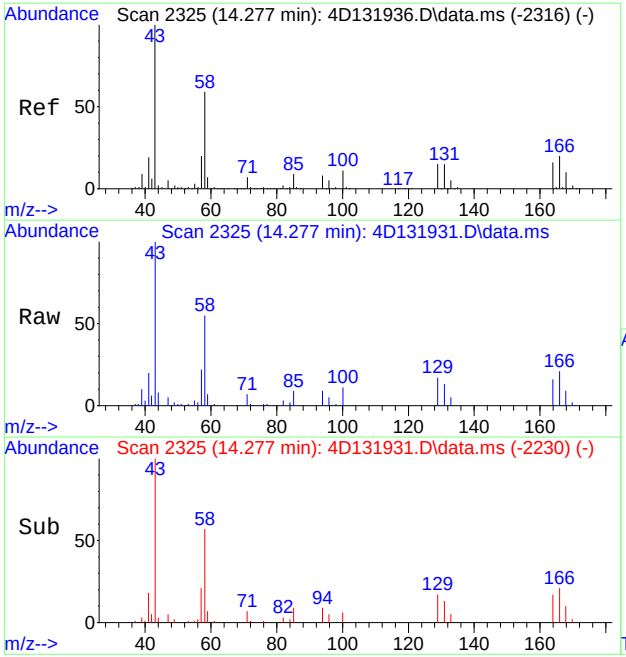


#78
1,1,2-trichloroethane
Concen: 1.28 ug/L
RT: 14.141 min Scan# 2299
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 83 Resp: 3881

Ion	Ratio	Lower	Upper
83	100		
97	120.0	98.0	138.0
85	77.9	44.8	84.8
61	69.7	54.1	94.1

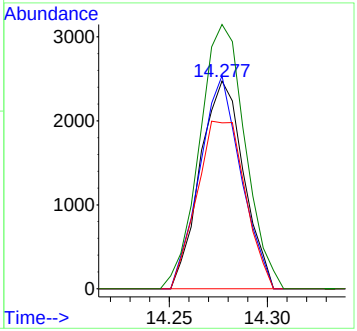


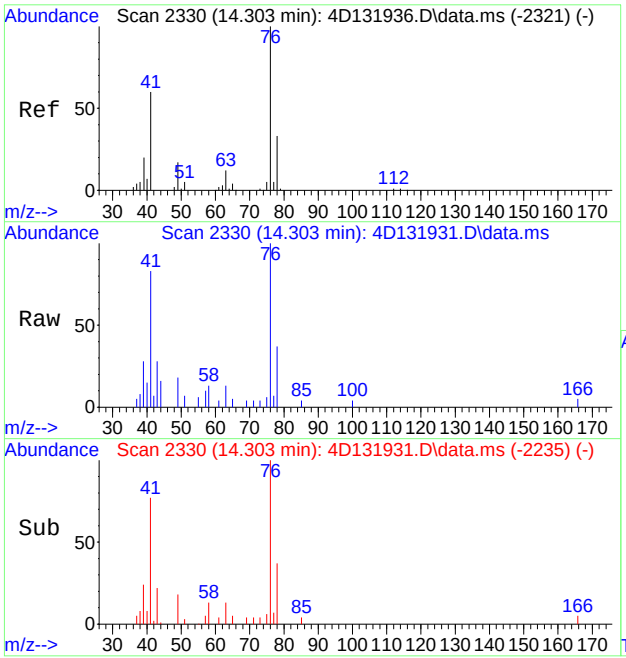


#79
tetrachloroethene
Concen: 1.29 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:164 Resp: 3820

Ion	Ratio	Lower	Upper
164	100		
129	102.5	63.3	123.3
131	79.9	59.8	119.8
166	127.2	95.2	155.2

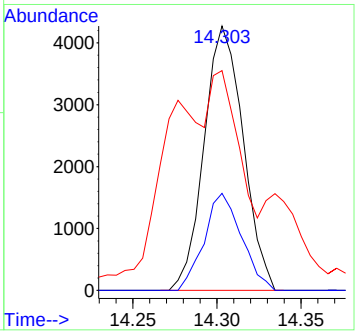


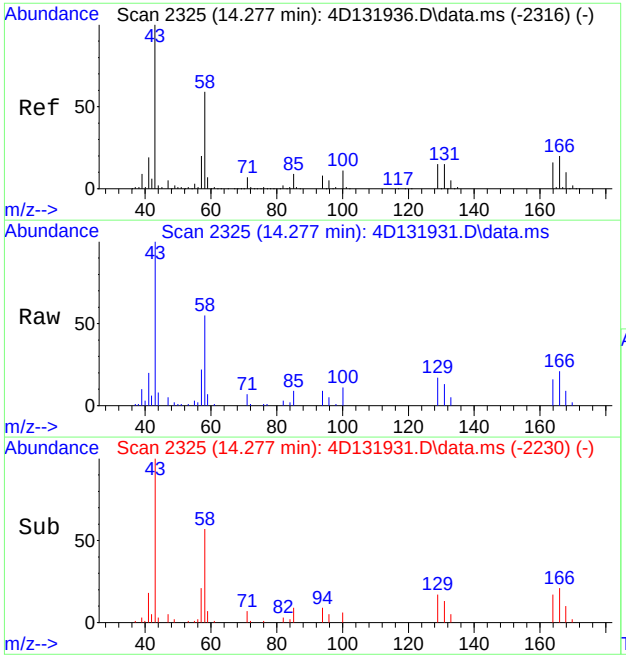


#80
1,3-dichloropropane
Concen: 1.30 ug/L
RT: 14.303 min Scan# 2330
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 76 Resp: 6912

Ion	Ratio	Lower	Upper
76	100		
78	36.7	2.5	62.5
41	49.4	40.0	100.0

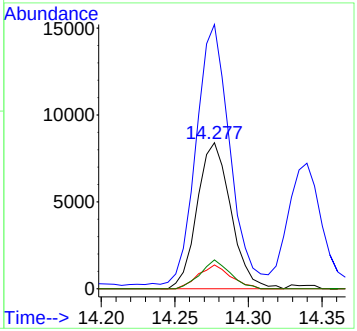


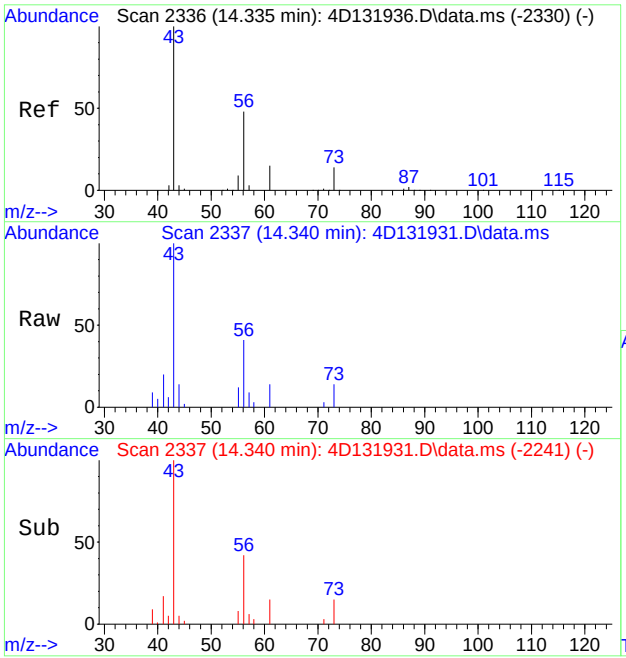


#81
2-hexanone
Concen: 5.12 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 58 Resp: 13385

Ion	Ratio	Lower	Upper
58	100		
43	177.9	149.1	189.1
85	16.4	0.0	34.7
100	19.8	0.0	38.3

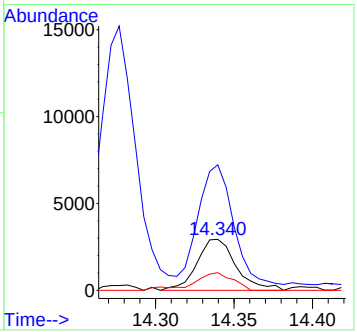


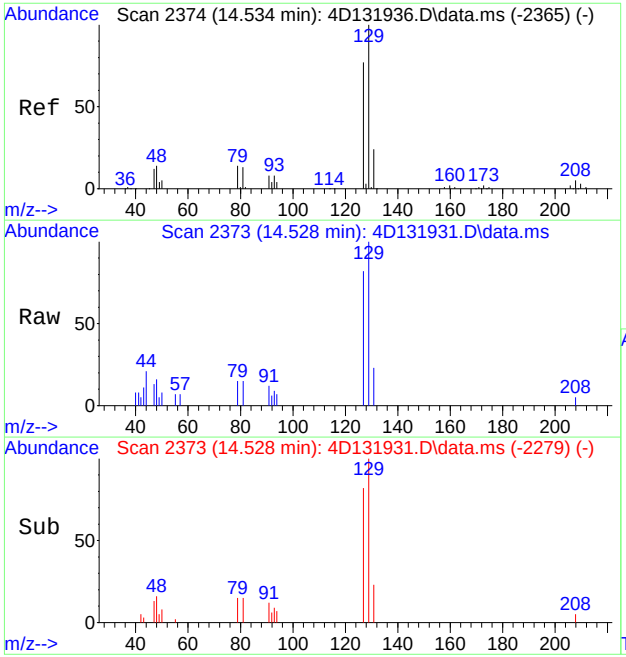


#82
butyl acetate
Concen: 1.27 ug/L
RT: 14.340 min Scan# 2337
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 56 Resp: 5129

Ion	Ratio	Lower	Upper
56	100		
43	234.2	196.2	256.2
73	34.5	0.0	59.9

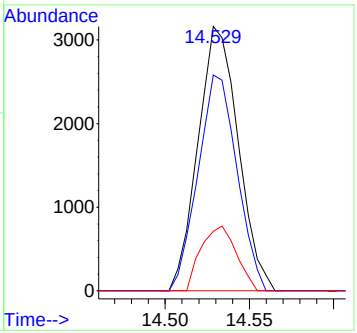


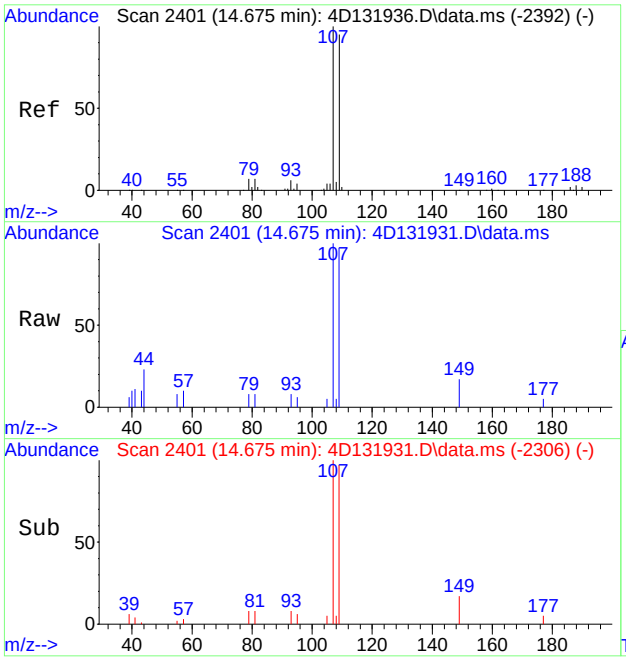


#83
dibromochloromethane
Concen: 1.24 ug/L
RT: 14.528 min Scan# 2373
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:129 Resp: 5263

Ion	Ratio	Lower	Upper
129	100		
127	81.6	47.2	107.2
131	22.5	0.0	54.4

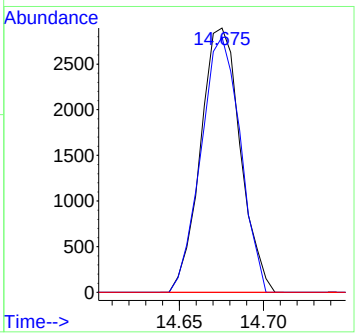


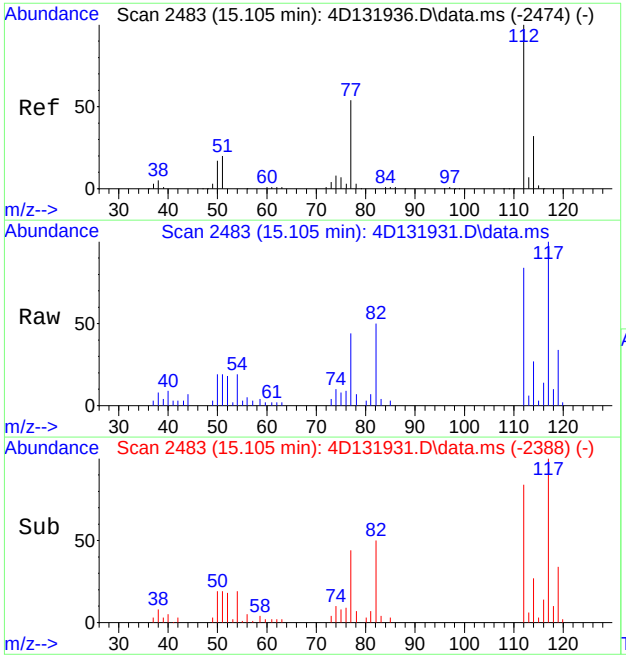


#84
1,2-dibromoethane
Concen: 1.18 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:107 Resp: 4784

Ion	Ratio	Lower	Upper
107	100		
109	96.5	65.1	125.1
188	0.0	0.0	33.2

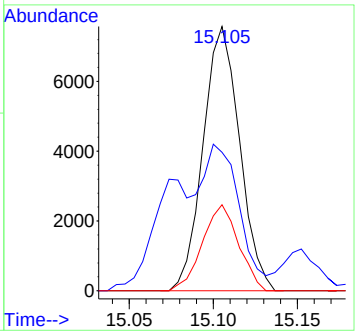


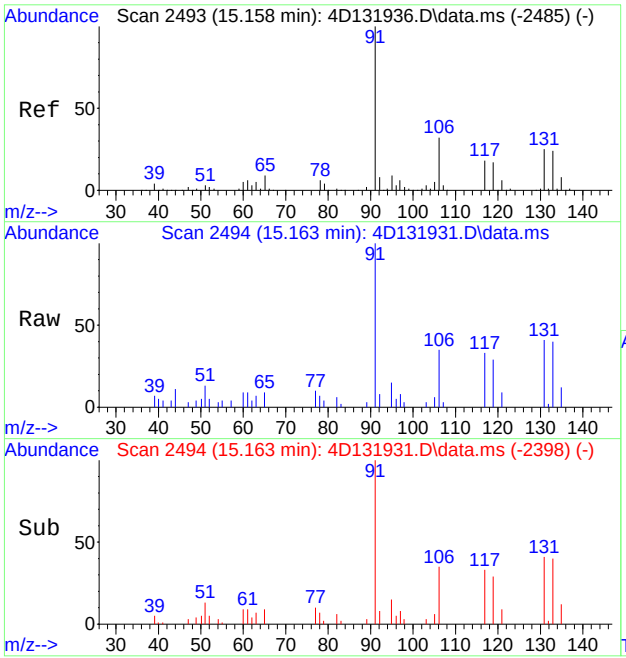


#86
chlorobenzene
Concen: 1.15 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:112 Resp: 11455

Ion	Ratio	Lower	Upper
112	100		
77	42.0	23.8	83.8
114	32.5	2.2	62.2

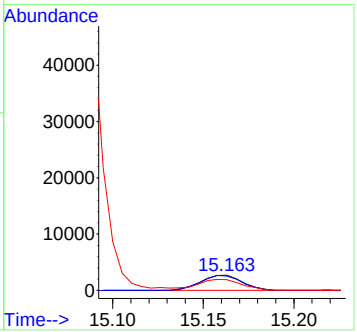


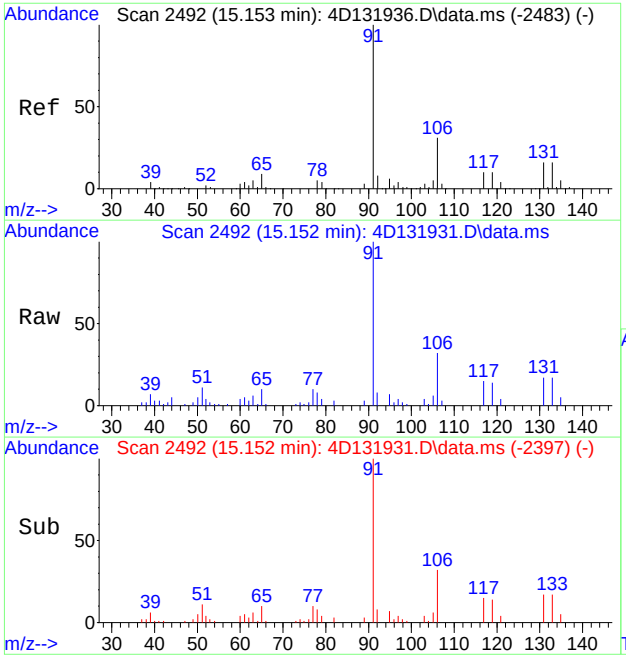


#87
1,1,1,2-tetrachloroethane
Concen: 1.21 ug/L
RT: 15.163 min Scan# 2494
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:131 Resp: 4215

Ion	Ratio	Lower	Upper
131	100		
133	96.1	66.4	126.4
119	71.4	37.8	97.8

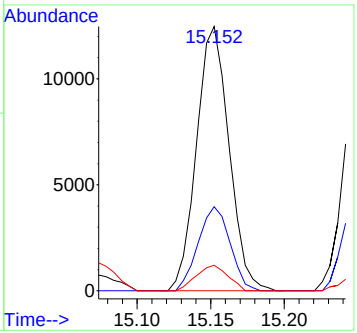


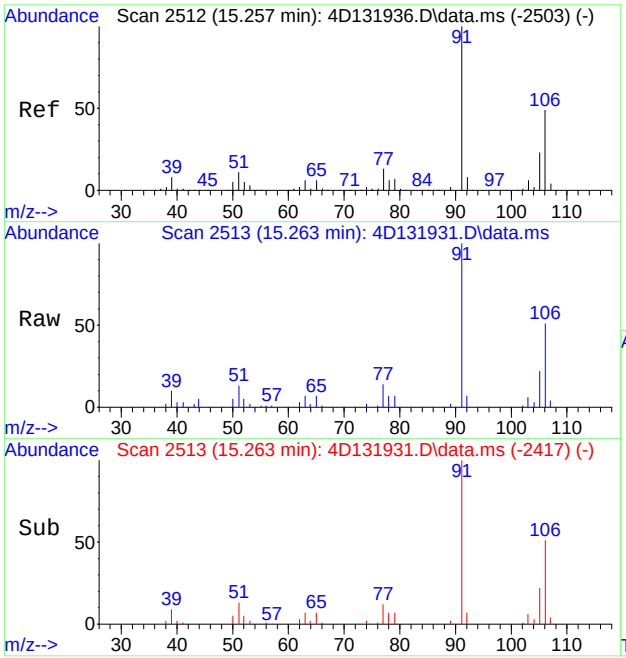


#88
ethylbenzene
Concen: 1.16 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 91 Resp: 19116

Ion	Ratio	Lower	Upper
91	100		
106	31.8	1.3	61.3
65	9.7	0.0	39.1

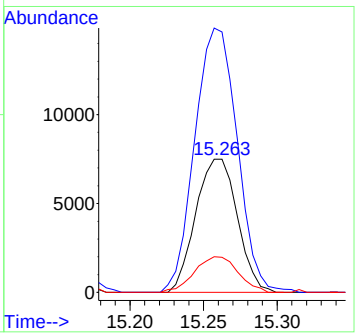


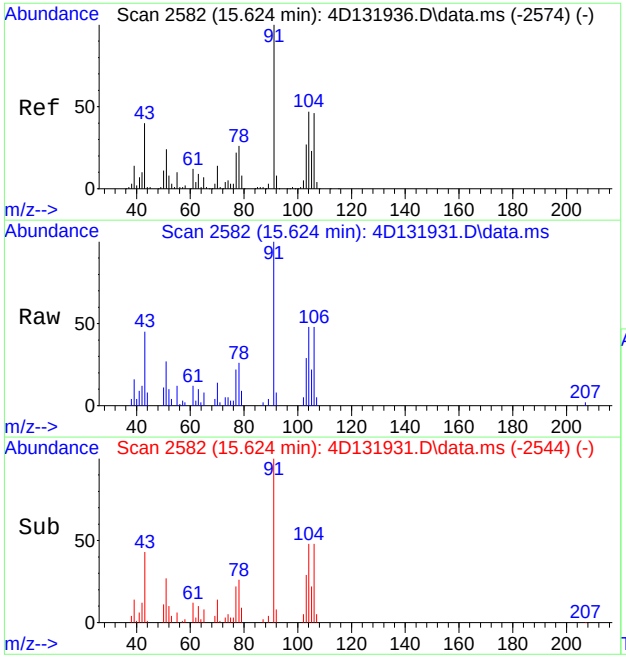


#89
m,p-xylene
Concen: 2.34 ug/L
RT: 15.263 min Scan# 2513
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:106 Resp: 14724

Ion	Ratio	Lower	Upper
106	100		
91	195.4	173.6	233.6
77	26.4	5.6	45.6

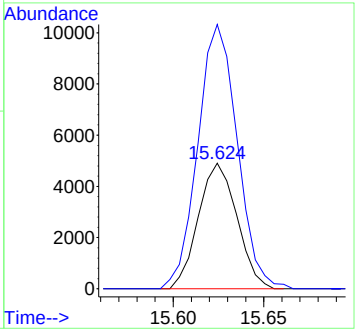


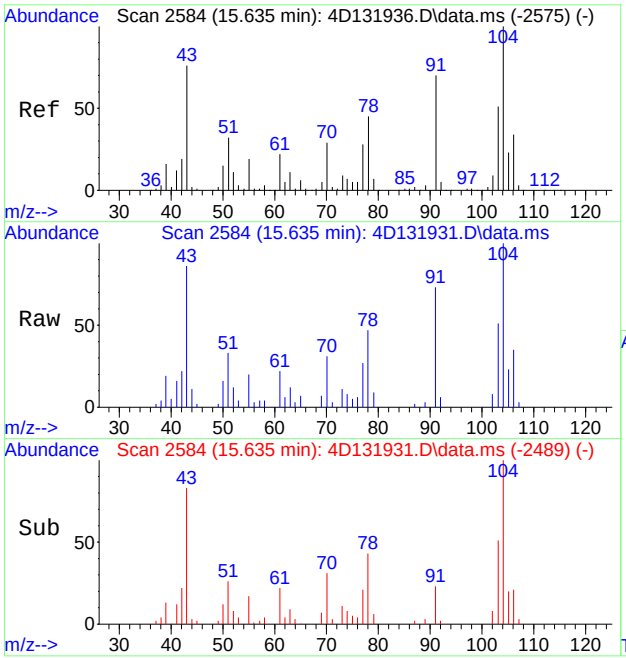


#90
o-xylene
Concen: 1.20 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:106 Resp: 7254

Ion	Ratio	Lower	Upper
106	100		
91	210.3	188.2	248.2

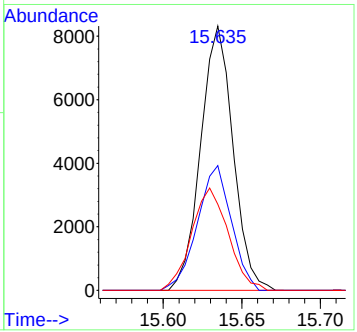


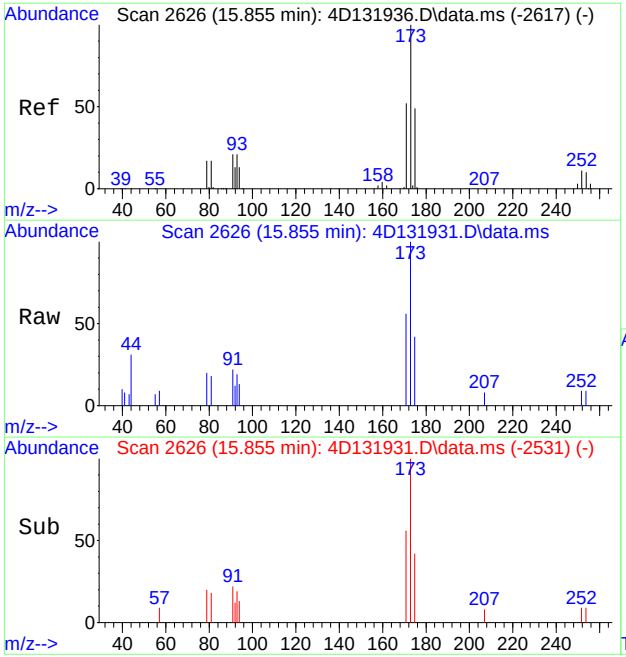


#91
styrene
Concen: 1.16 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:104 Resp: 11983

Ion	Ratio	Lower	Upper
104	100		
78	47.2	14.9	74.9
51	32.5	2.1	62.1

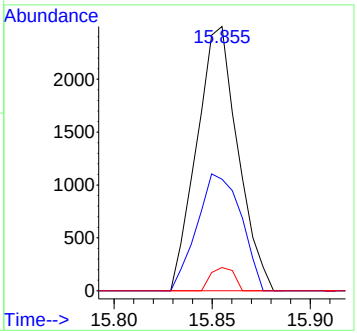


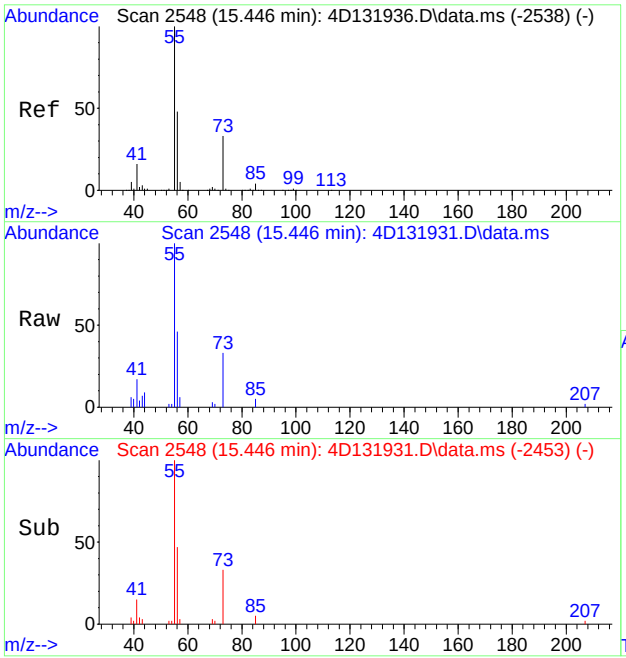


#92
bromoform
Concen: 1.21 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:173 Resp: 3642

Ion	Ratio	Lower	Upper
173	100		
175	42.2	18.7	78.7
254	8.8	0.0	40.1

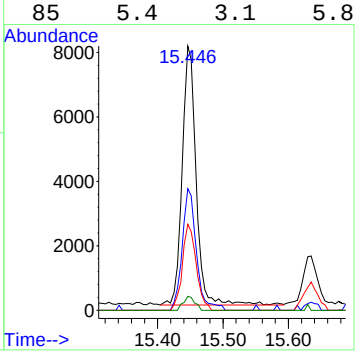


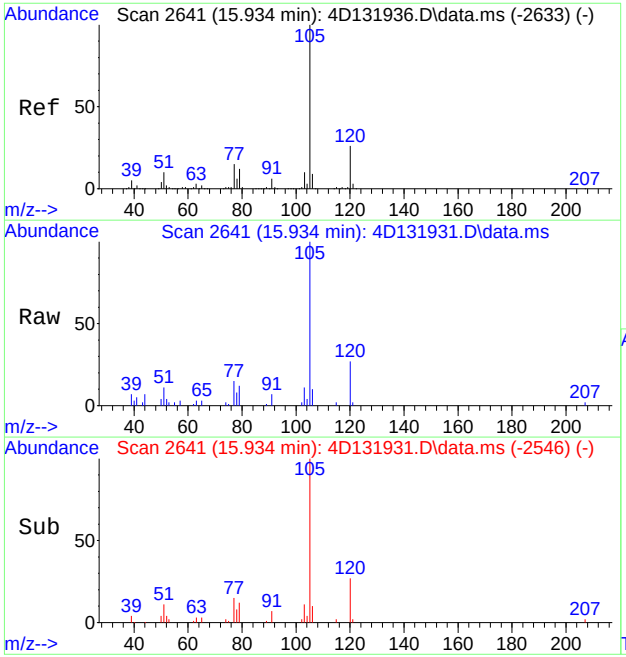


#93
butyl acrylate
Concen: 1.36 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 55 Resp: 11915

Ion	Ratio	Lower	Upper
55	100		
56	47.0	33.5	62.1
73	33.3	23.2	43.2
85	5.4	3.1	5.8

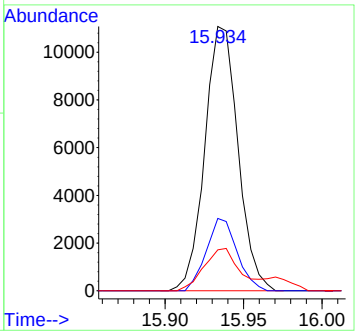


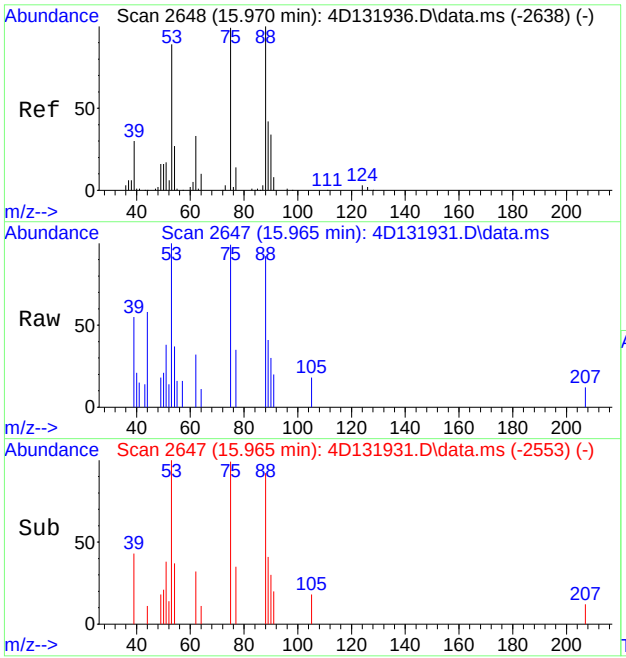


#94
isopropylbenzene
Concen: 1.14 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:105 Resp: 16330

Ion	Ratio	Lower	Upper
105	100		
120	27.4	5.9	45.9
77	15.5	0.0	34.7

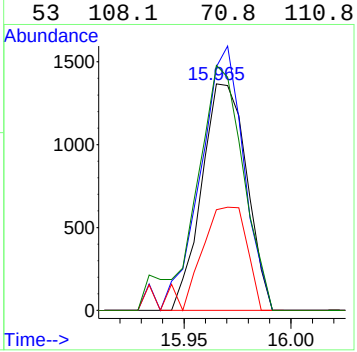


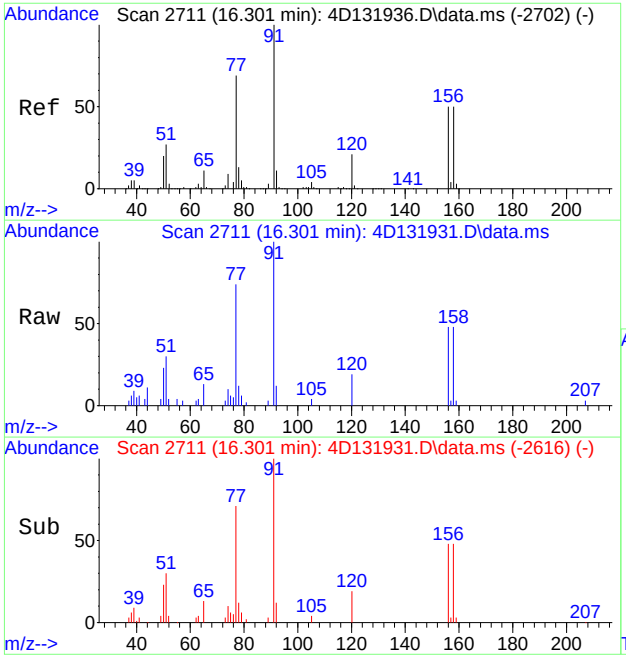


#95
cis-1,4-dichloro-2-butene
Concen: 1.07 ug/L
RT: 15.965 min Scan# 2647
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 88 Resp: 1998

Ion	Ratio	Lower	Upper
88	100		
75	107.5	80.4	120.4
89	44.5	23.8	63.8
53	108.1	70.8	110.8

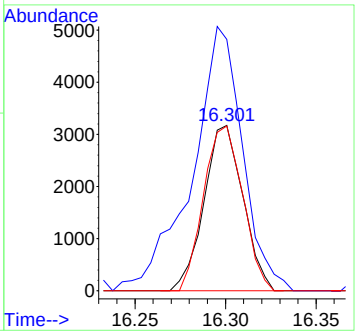


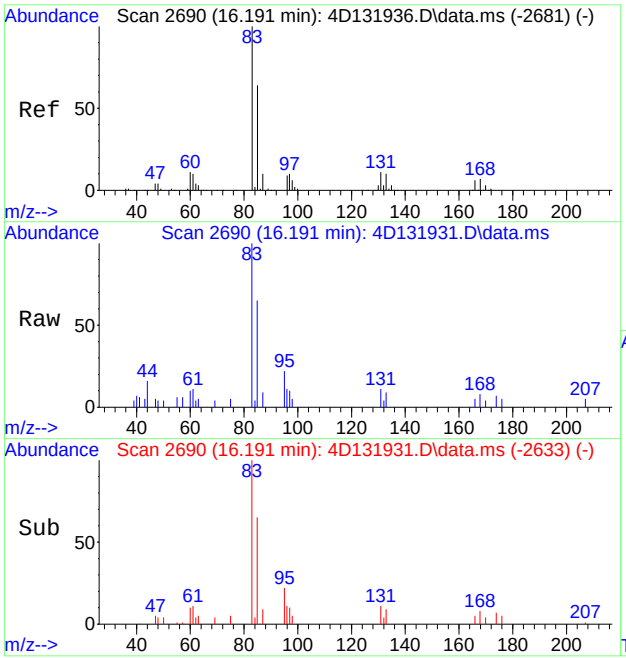


#98
bromobenzene
Concen: 1.25 ug/L
RT: 16.301 min Scan# 2711
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:156 Resp: 4736

Ion	Ratio	Lower	Upper
156	100		
77	145.9	114.1	174.1
158	99.7	69.3	129.3

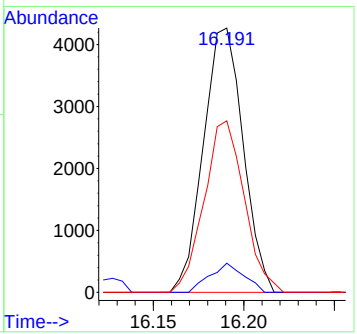


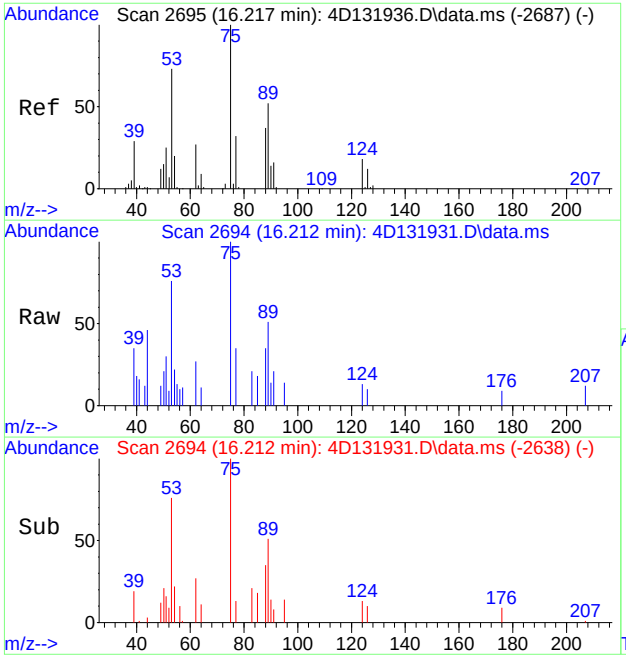


#99
1,1,2,2-tetrachloroethane
Concen: 1.29 ug/L
RT: 16.191 min Scan# 2690
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 83 Resp: 6496

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	40.7
85	64.9	33.7	93.7

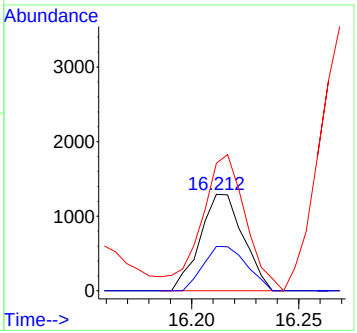


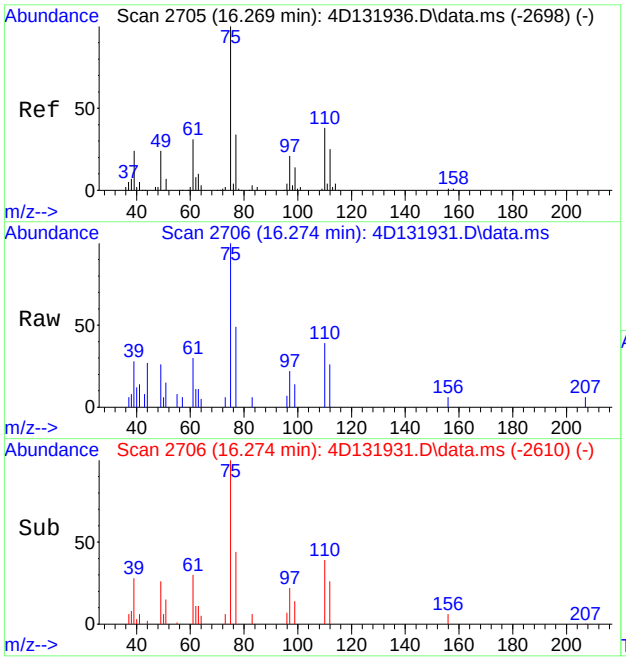


#100
trans-1,4-dichloro-2-butene
Concen: 1.22 ug/L
RT: 16.212 min Scan# 2694
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 53 Resp: 1819

Ion	Ratio	Lower	Upper
53	100		
88	45.9	20.8	80.8
75	132.2	106.5	166.5

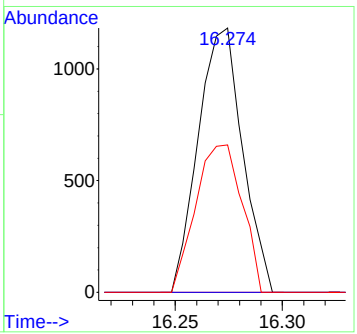


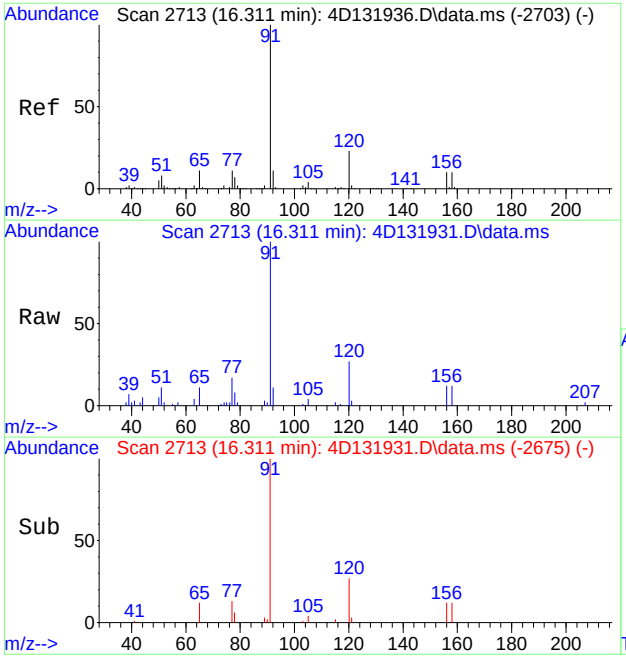


#101
1,2,3-trichloropropane
Concen: 1.30 ug/L
RT: 16.274 min Scan# 2706
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:110 Resp: 1703

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	40.4
97	55.7	25.6	85.6

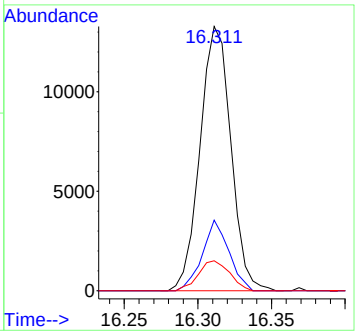


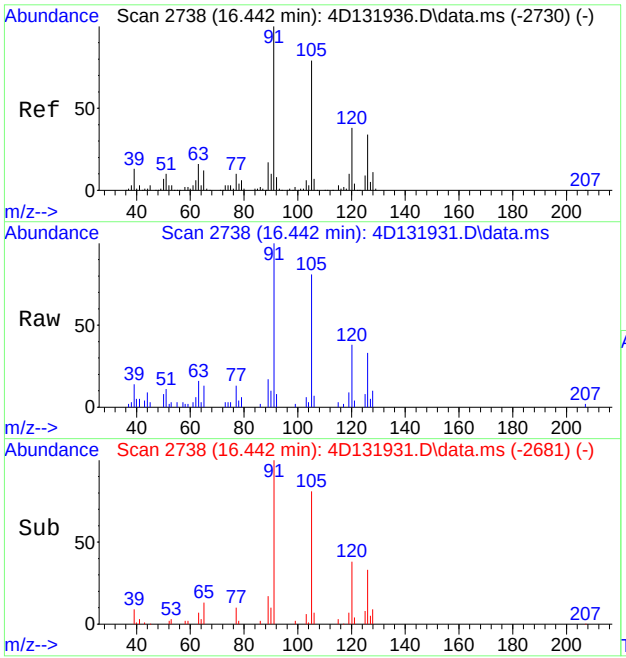


#102
n-propylbenzene
Concen: 1.12 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 91 Resp: 19341

Ion	Ratio	Lower	Upper
91	100		
120	26.7	0.0	53.1
65	11.4	0.0	40.8

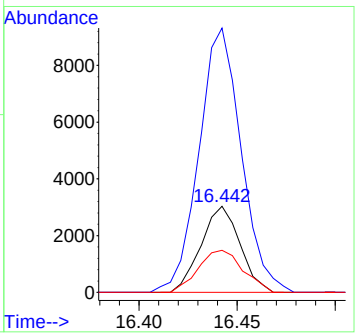


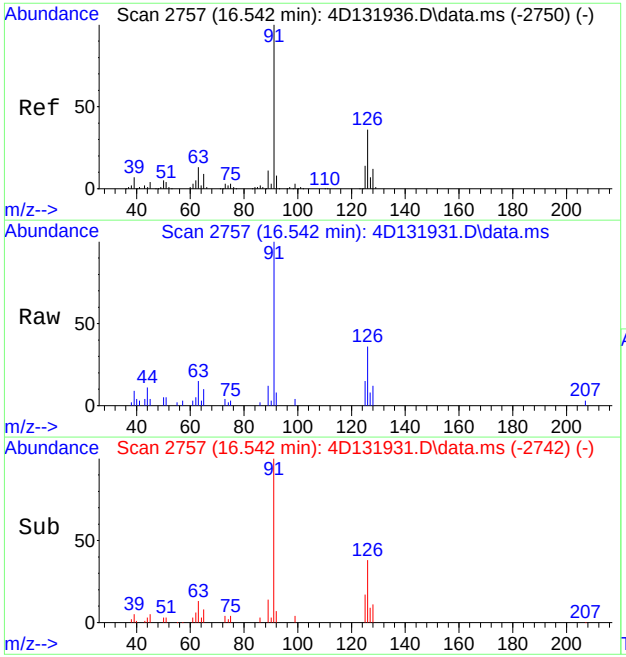


#103
2-chlorotoluene
Concen: 1.15 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:126 Resp: 4187

Ion	Ratio	Lower	Upper
126	100		
91	301.0	265.9	325.9
63	48.8	18.3	78.3

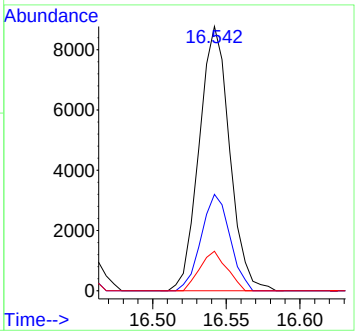


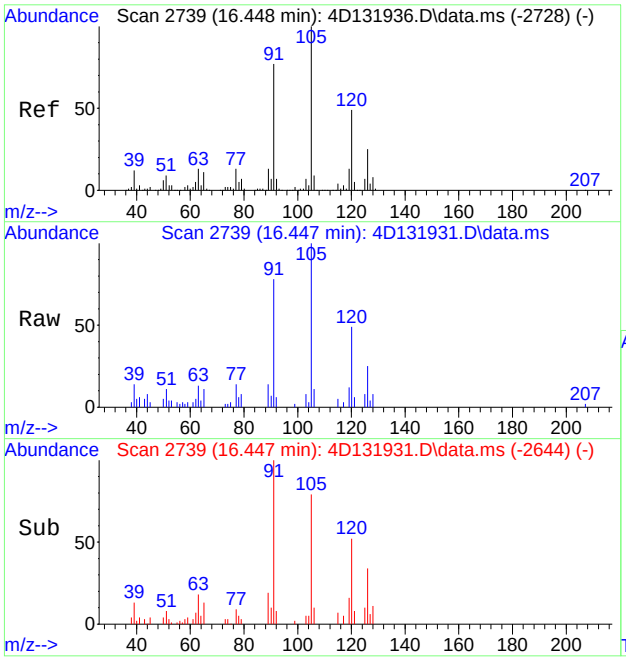


#104
4-chlorotoluene
Concen: 1.09 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 91 Resp: 12614

Ion	Ratio	Lower	Upper
91	100		
126	36.4	5.5	65.5
63	15.0	0.0	42.5

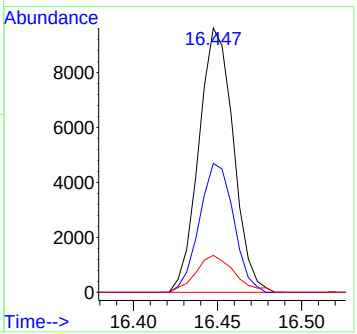


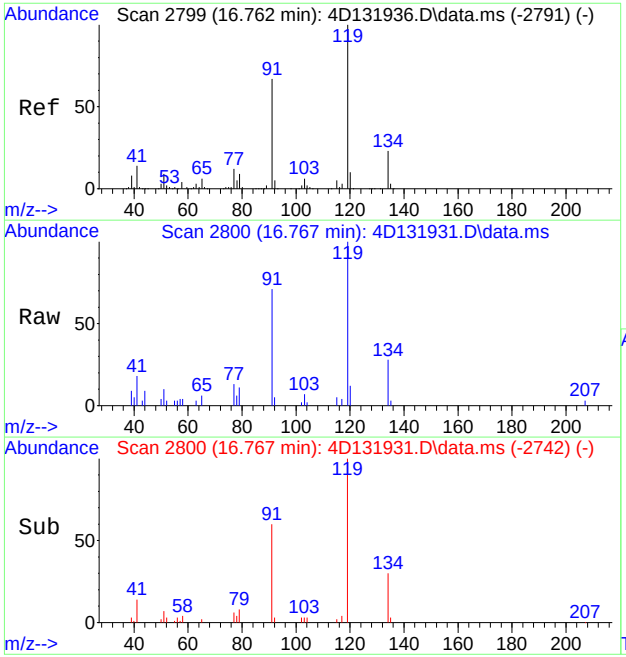


#105
1,3,5-trimethylbenzene
Concen: 1.16 ug/L
RT: 16.447 min Scan# 2739
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:105 Resp: 13757

Ion	Ratio	Lower	Upper
105	100		
120	48.8	19.3	79.3
77	14.0	0.0	42.7

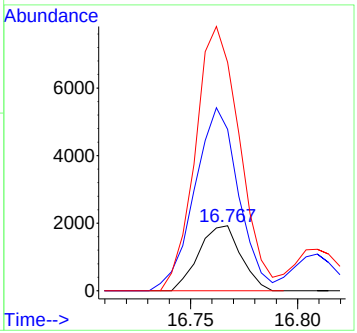


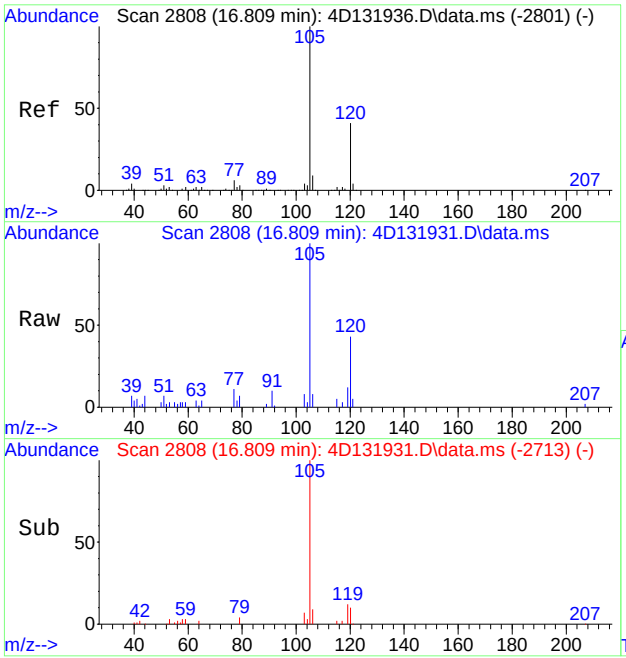


#106
tert-butylbenzene
Concen: 1.29 ug/L
RT: 16.767 min Scan# 2800
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:134 Resp: 2637

Ion	Ratio	Lower	Upper
134	100		
91	237.1	266.0	326.0#
119	351.6	410.0	470.0#

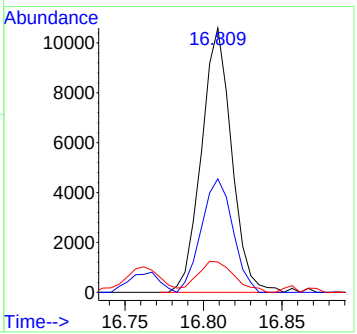


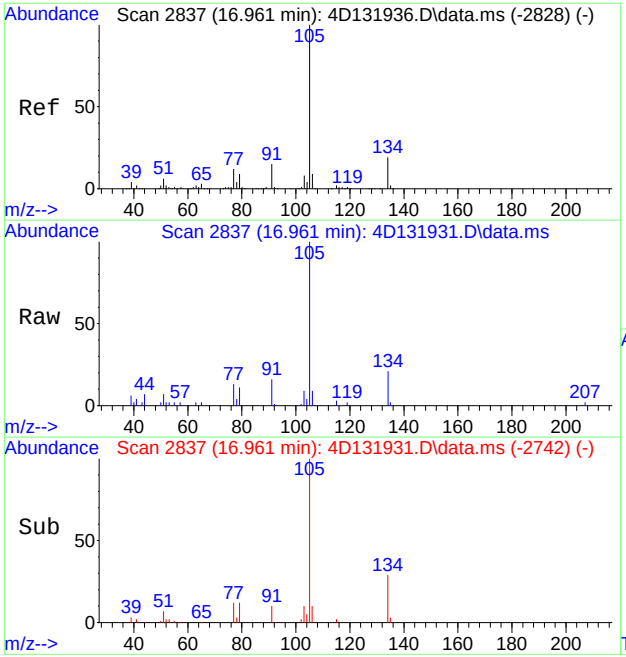


#107
1,2,4-trimethylbenzene
Concen: 1.25 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:105 Resp: 14184

Ion	Ratio	Lower	Upper
105	100		
120	42.9	15.8	75.8
77	9.9	0.0	41.4

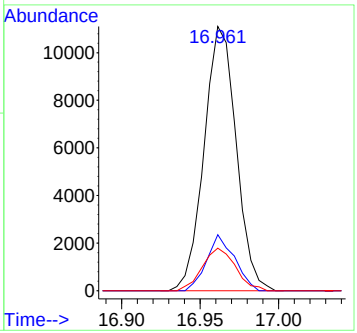


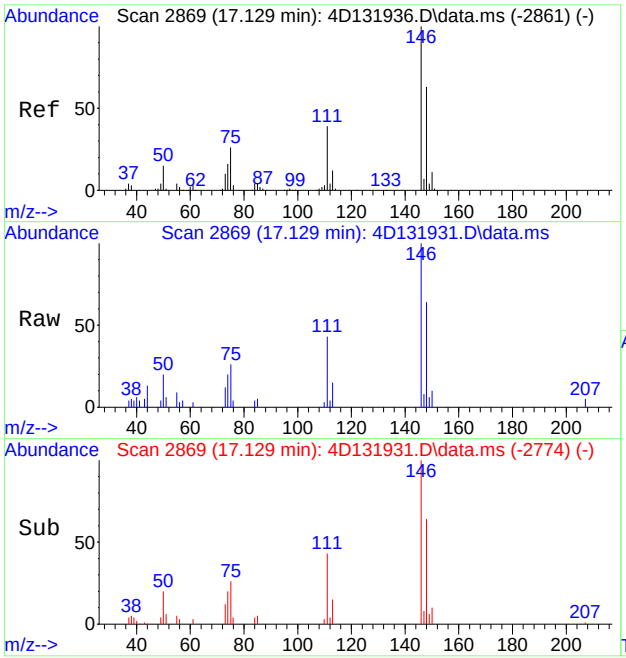


#108
sec-butylbenzene
Concen: 1.14 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:105 Resp: 15816

Ion	Ratio	Lower	Upper
105	100		
134	21.2	0.0	48.6
91	16.1	0.0	45.4

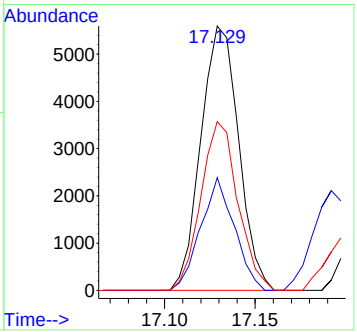


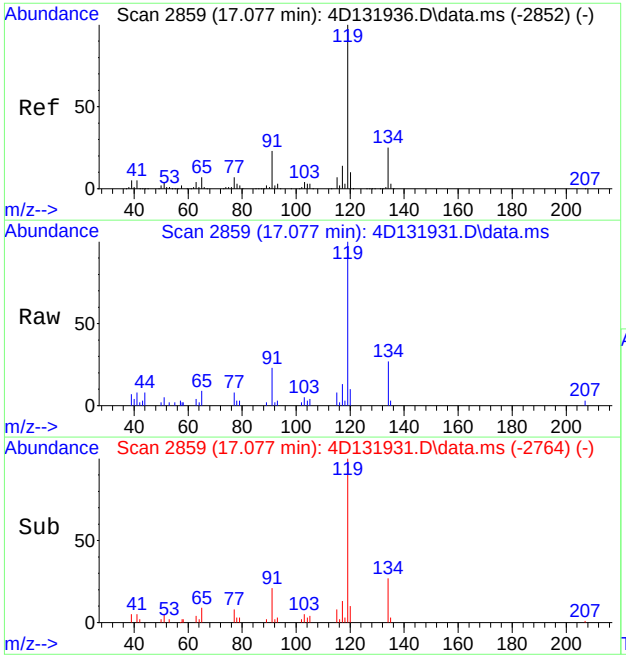


#109
1,3-dichlorobenzene
Concen: 1.19 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:146 Resp: 8110

Ion	Ratio	Lower	Upper
146	100		
111	42.6	9.4	69.4
148	63.9	33.3	93.3

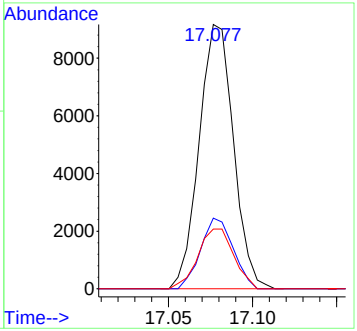


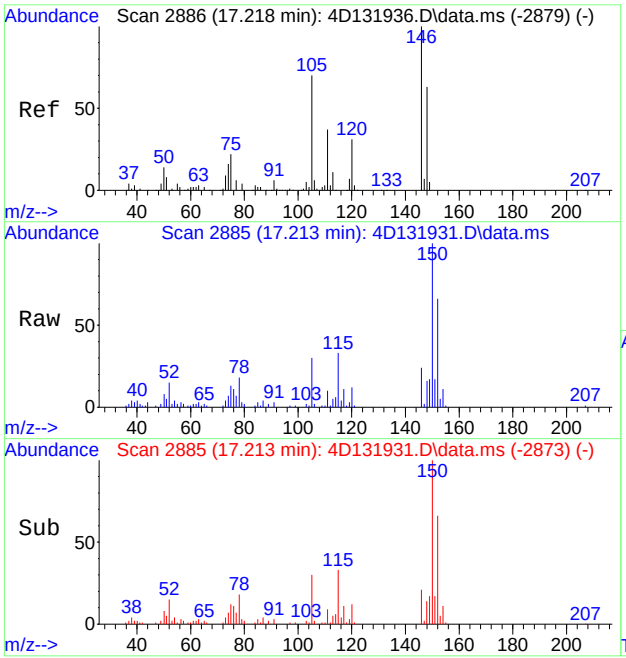


#110
p-isopropyltoluene
Concen: 1.15 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:119 Resp: 13036

Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	55.5
91	22.6	0.0	53.2

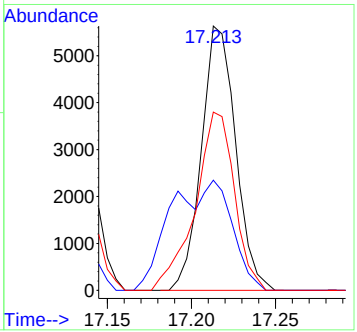


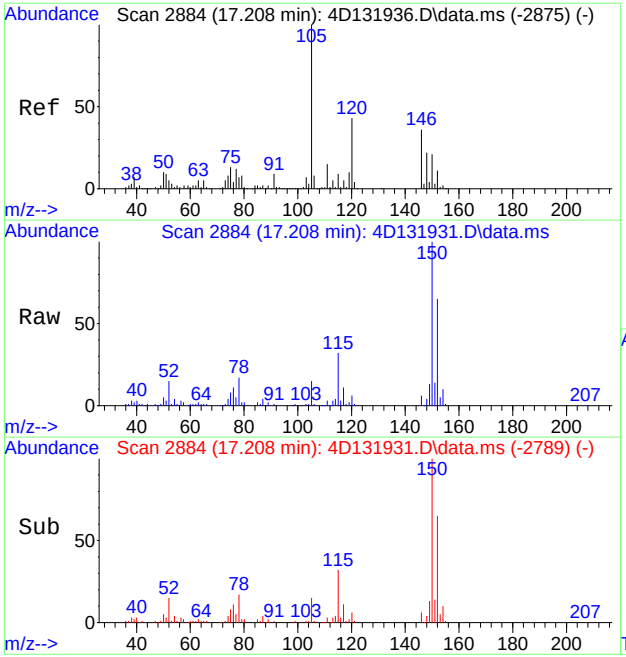


#111
1,4-dichlorobenzene
Concen: 1.25 ug/L
RT: 17.213 min Scan# 2885
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:146 Resp: 7975

Ion	Ratio	Lower	Upper
146	100		
111	41.6	7.6	67.6
148	67.4	33.6	93.6

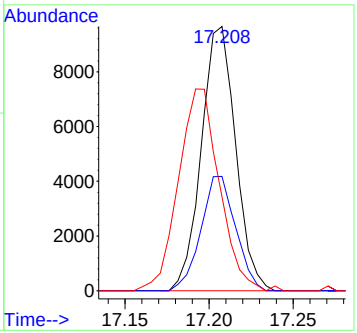


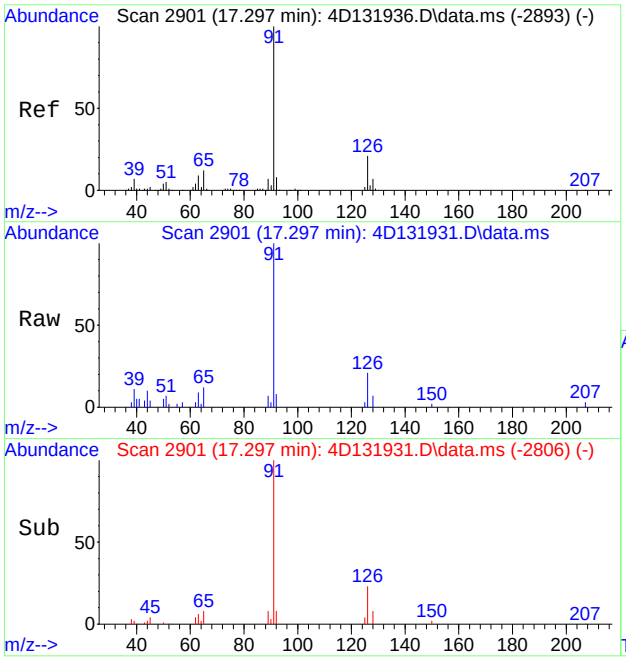


#112
1,2,3-trimethylbenzene
Concen: 1.26 ug/L
RT: 17.208 min Scan# 2884
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:105 Resp: 13687

Ion	Ratio	Lower	Upper
105	100		
120	43.2	12.6	72.6
77	35.5	0.0	42.2

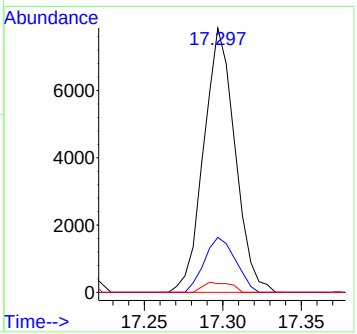


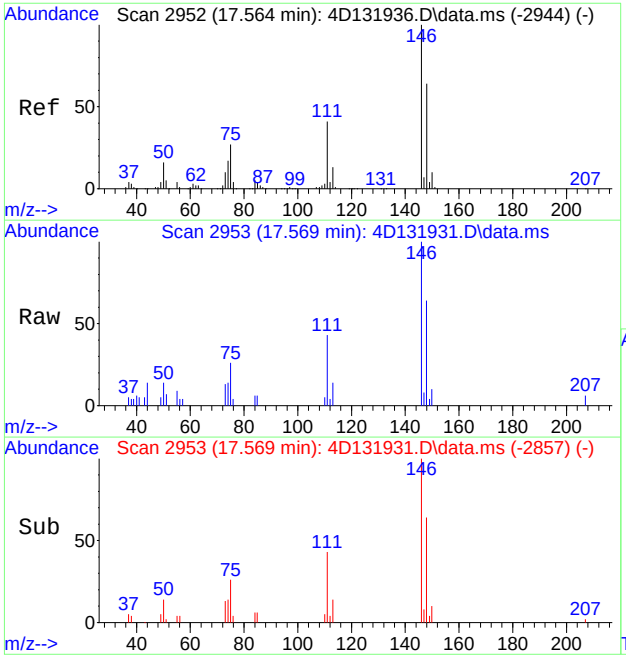


#113
benzyl chloride
Concen: 1.25 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 91 Resp: 10904

Ion	Ratio	Lower	Upper
91	100		
126	20.8	0.0	51.2
62	3.3	0.0	34.2

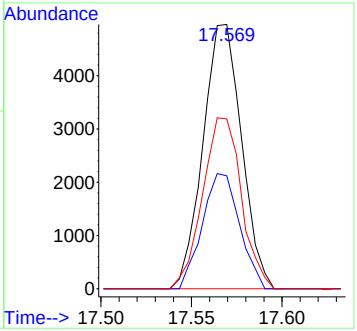


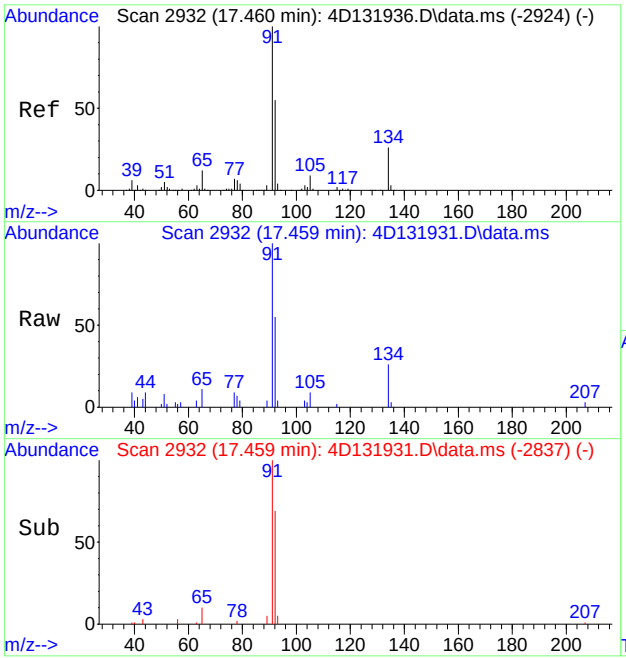


#114
1,2-dichlorobenzene
Concen: 1.14 ug/L
RT: 17.569 min Scan# 2953
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:146 Resp: 7347

Ion	Ratio	Lower	Upper
146	100		
111	42.8	11.4	71.4
148	64.2	33.6	93.6

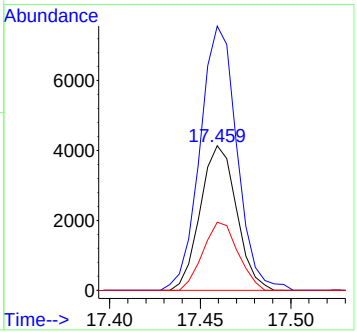


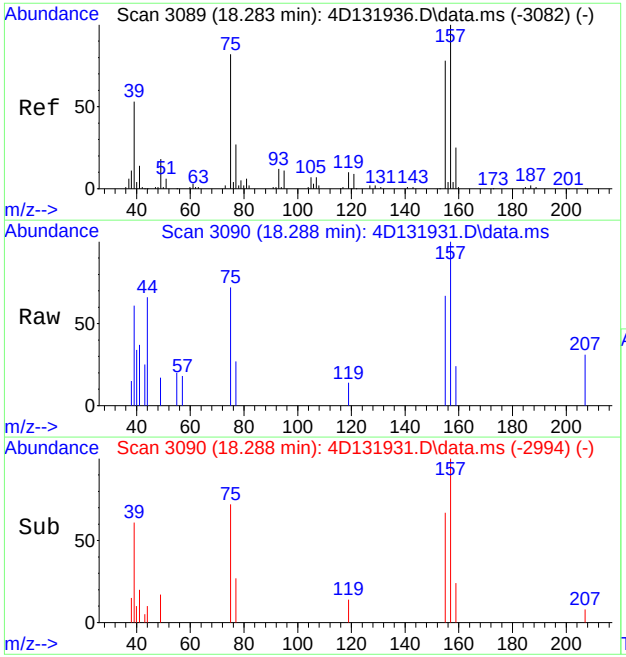


#115
n-butylbenzene
Concen: 1.14 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion: 92 Resp: 5747

Ion	Ratio	Lower	Upper
92	100		
91	182.7	151.4	211.4
134	47.1	16.5	76.5

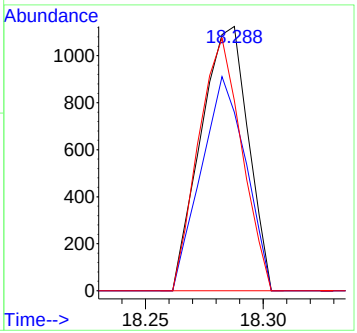


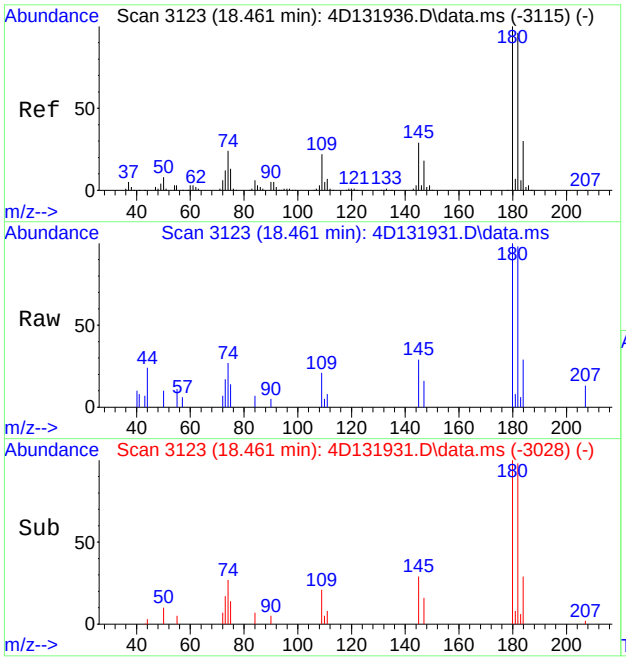


#116
1,2-dibromo-3-chloropropane
Concen: 1.15 ug/L
RT: 18.288 min Scan# 3090
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:157 Resp: 1571

Ion	Ratio	Lower	Upper
157	100		
155	67.5	48.1	108.1
75	72.0	52.3	112.3

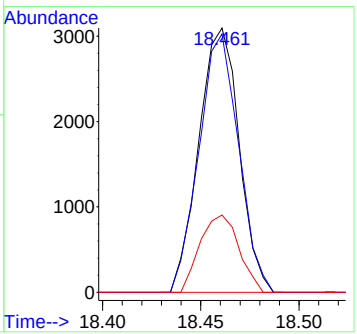


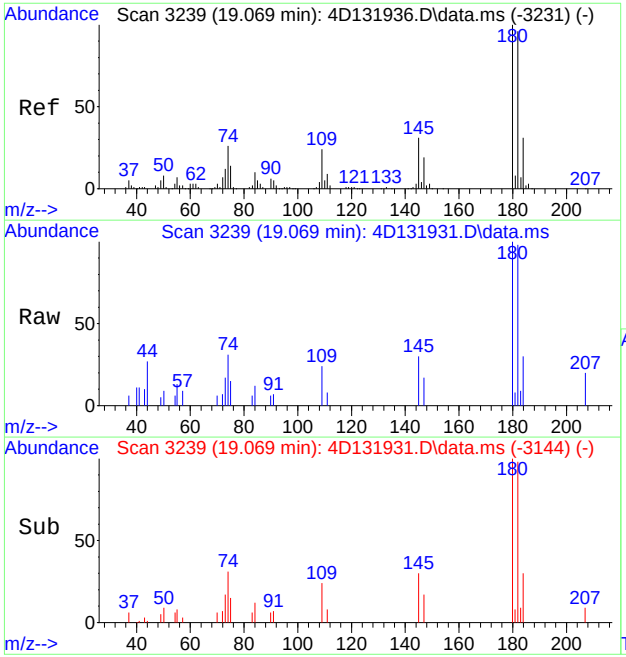


#117
1,3,5-trichlorobenzene
Concen: 1.13 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:180 Resp: 4428

Ion	Ratio	Lower	Upper
180	100		
182	97.7	66.1	126.1
184	29.3	0.3	60.3

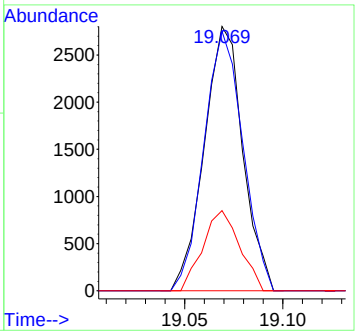


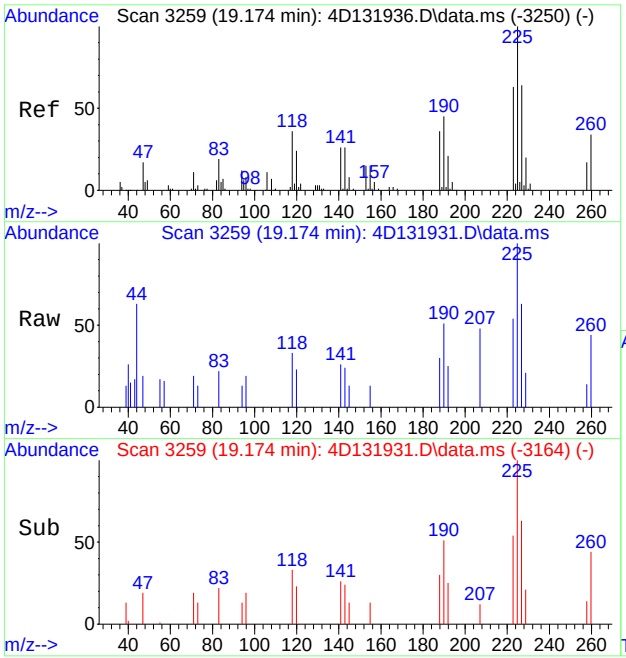


#118
1,2,4-trichlorobenzene
Concen: 1.15 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:180 Resp: 3839

Ion	Ratio	Lower	Upper
180	100		
182	98.2	65.6	125.6
145	30.3	0.8	60.8

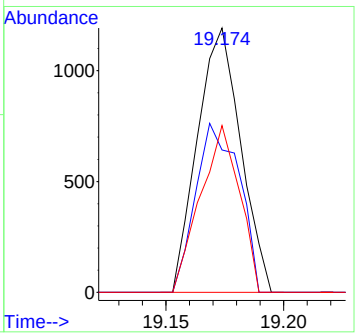


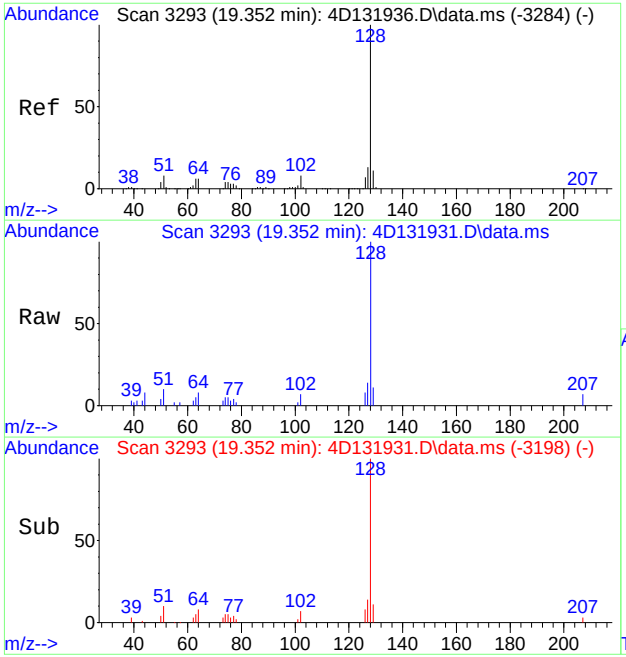


#119
hexachlorobutadiene
Concen: 1.18 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:225 Resp: 1525

Ion	Ratio	Lower	Upper
225	100		
223	53.9	33.3	93.3
227	63.0	33.8	93.8

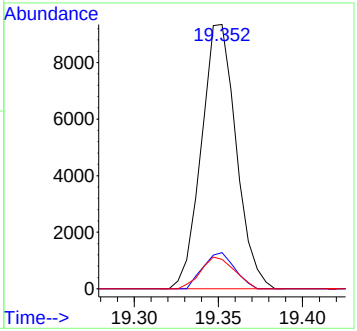


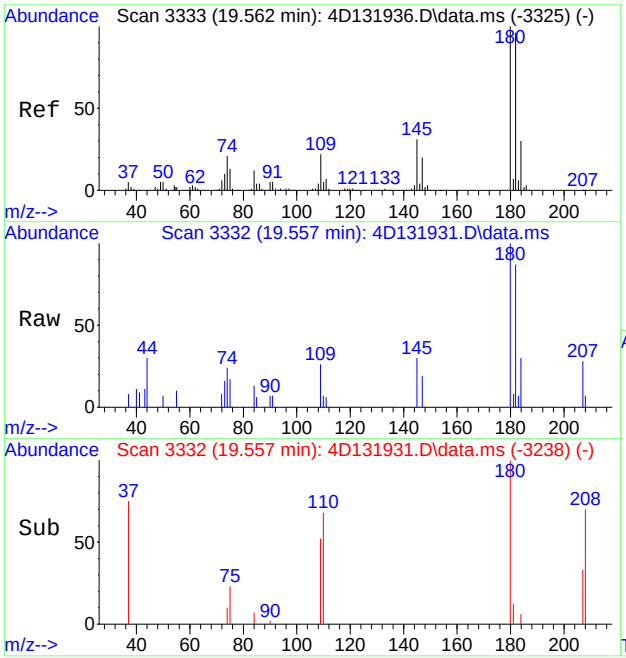


#120
naphthalene
Concen: 1.24 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:128 Resp: 13448

Ion	Ratio	Lower	Upper
128	100		
127	13.7	0.0	42.5
129	11.2	0.0	41.0

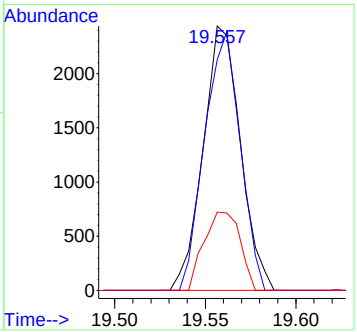


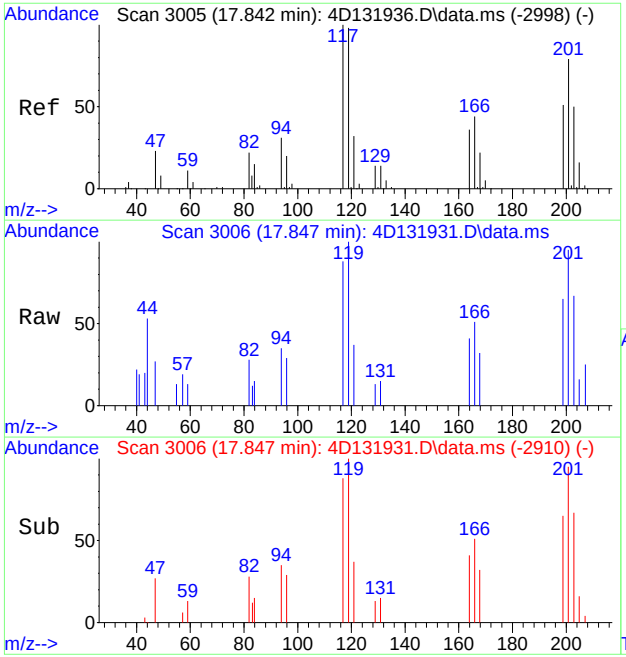


#121
1,2,3-trichlorobenzene
Concen: 1.17 ug/L
RT: 19.557 min Scan# 3332
Delta R.T. -0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:180 Resp: 3494

Ion	Ratio	Lower	Upper
180	100		
182	87.3	66.3	126.3
145	29.6	1.3	61.3

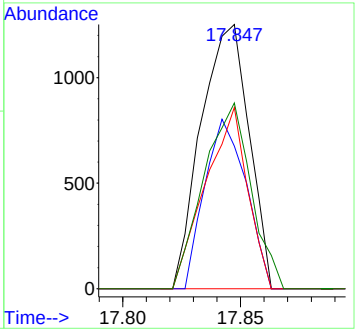


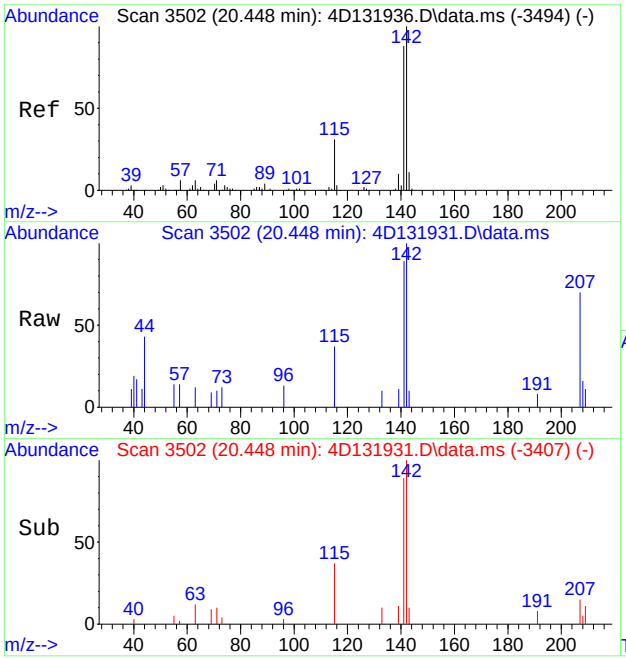


#122
hexachloroethane
Concen: 1.12 ug/L
RT: 17.847 min Scan# 3006
Delta R.T. 0.005 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:201 Resp: 1776

Ion	Ratio	Lower	Upper
201	100		
166	54.0	26.1	86.1
199	68.6	33.8	93.8
203	70.2	33.7	93.7

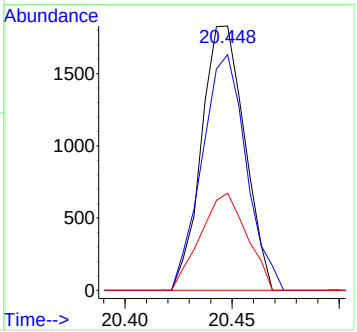




#123
2-methylnaphthalene
Concen: 0.53 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. -0.000 min
Lab File: 4D131931.D
Acq: 6 Oct 2023 4:35 pm

Tgt Ion:142 Resp: 2562

Ion	Ratio	Lower	Upper
142	100		
141	89.1	67.9	107.9
115	36.8	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131932.D
Acq On : 6 Oct 2023 5:04 pm
Operator : nickw
Sample : ic5842-2
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:27:59 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:26:07 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.819	65	445537	500.00	ug/L	-0.01
5) pentafluorobenzene	11.299	168	415205	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	684001	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	543394	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	240965	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.299	168	415205	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	240965	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.336	113	221534	50.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.66%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	257988	51.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.04%			
74) toluene-d8 (s)	13.705	98	728255	50.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.98%			
97) 4-bromofluorobenzene (s)	16.122	95	251718	49.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.34%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.955	59	16371	10.89	ug/L	93
3) ethanol	7.319	45	30474	212.73	ug/L	98
4) 1,4-dioxane	12.809	88	5403	68.34	ug/L	92
6) chlorodifluoromethane	4.803	51	12148	2.03	ug/L	98
7) dichlorodifluoromethane	4.735	85	11706	1.75	ug/L	95
8) chloromethane	5.248	50	12619	1.59	ug/L	97
9) vinyl chloride	5.495	62	10037	1.67	ug/L	99
10) 1,3-butadiene	5.600	54	9993	2.12	ug/L	93
11) bromomethane	6.297	94	6186	1.81	ug/L	96
12) chloroethane	6.538	64	5936	1.62	ug/L	97
13) trichlorofluoromethane	7.078	101	12538	1.84	ug/L	96
14) ethyl ether	7.592	74	5032	2.23	ug/L	93
16) freon 113	8.069	151	6718	2.32	ug/L	92
17) 1,1-dichloroethene	8.074	96	7591	2.16	ug/L	91
18) acetone	8.090	58	9949	10.37	ug/L	97
19) acetonitrile	8.567	41	21904	20.66	ug/L	97
20) iodomethane	8.368	142	4598	0.87	ug/L	93
21) carbon disulfide	8.520	76	23505	2.07	ug/L	98
22) methylene chloride	8.887	84	10557	2.03	ug/L	97
23) methyl acetate	8.625	74	2220	1.99	ug/L #	77
24) methyl tert butyl ether	9.286	73	28144	2.13	ug/L	97
25) trans-1,2-dichloroethene	9.328	96	8595	2.17	ug/L	96
26) di-isopropyl ether	9.951	45	33629	2.09	ug/L	93
27) 2-butanone	10.675	72	8368	9.34	ug/L #	83
28) 1,1-dichloroethane	9.972	63	17605	2.18	ug/L	99
29) chloroprene	10.082	53	15638	2.14	ug/L	98
30) acrylonitrile	9.233	53	5706	2.04	ug/L	88
31) hexane	9.726	56	8157	2.04	ug/L	94
32) vinyl acetate	9.909	86	1916	1.96	ug/L #	69
33) ethyl tert-butyl ether	10.450	59	33327	2.13	ug/L	98
34) ethyl acetate	10.696	70	1984	2.10	ug/L	84
35) 2,2-dichloropropane	10.769	77	14725	2.05	ug/L	98
36) cis-1,2-dichloroethene	10.743	96	9818	2.04	ug/L	96
37) methyl acrylate	10.775	55	17671	2.05	ug/L	99
38) propionitrile	10.759	54	26719	21.91	ug/L	99
39) bromochloromethane	11.052	128	5184	2.25	ug/L	95
40) tetrahydrofuran	11.073	72	2189	2.14	ug/L #	80
41) chloroform	11.142	85	13040	1.80	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131932.D
Acq On : 6 Oct 2023 5:04 pm
Operator : nickw
Sample : ic5842-2
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:27:59 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:26:07 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	11.173	59	4630	2.42	ug/L		90
44) methacrylonitrile	10.969	67	5650	2.09	ug/L		94
45) 1,1,1-trichloroethane	11.404	97	13942	2.21	ug/L		91
46) cyclohexane	11.514	84	10705	1.72	ug/L	#	89
47) 1,1-dichloropropene	11.577	75	11971	2.25	ug/L		99
48) isobutyl alcohol	11.545	74	1006	18.88	ug/L	#	5
49) carbon tetrachloride	11.598	117	12165	2.26	ug/L		93
50) tert amyl alcohol	11.692	55	5804	12.69	ug/L		88
53) n-butyl alcohol	12.253	56	38106	105.60	ug/L		99
54) 2,2,4-trimethylpentane	11.902	57	25908	2.05	ug/L		98
55) benzene	11.818	78	33259	2.09	ug/L		98
56) tert-amyl methyl ether	11.886	87	6460	2.19	ug/L		95
57) heptane	12.054	71	5641	2.06	ug/L		98
58) isopropyl acetate	11.718	87	2544	2.22	ug/L		100
59) 1,2-dichloroethane	11.844	62	14333	2.11	ug/L		99
60) trichloroethene	12.505	130	9380	2.23	ug/L		96
61) ethyl acrylate	12.479	55	17920	2.17	ug/L		99
63) 2-chloroethyl vinyl ether	13.218	63	25515	10.68	ug/L		99
64) methyl methacrylate	12.725	100	3119	2.07	ug/L		97
65) 1,2-dichloropropane	12.772	63	9986	2.28	ug/L		98
66) dibromomethane	12.872	93	6133	2.16	ug/L		97
67) methylcyclohexane	12.777	83	13215	2.13	ug/L		99
68) bromodichloromethane	13.008	83	12443	2.10	ug/L		97
69) epichlorohydrin	13.302	57	9706	11.13	ug/L		98
70) cis-1,3-dichloropropene	13.422	75	14612	2.13	ug/L		99
71) 4-methyl-2-pentanone	13.511	58	24531	9.04	ug/L		90
75) toluene	13.774	92	19732	2.09	ug/L		97
76) trans-1,3-dichloropropene	13.936	75	13109	2.11	ug/L		97
77) ethyl methacrylate	13.915	69	13188	2.09	ug/L		97
78) 1,1,2-trichloroethane	14.141	83	7452	2.24	ug/L		95
79) tetrachloroethene	14.277	164	7329	2.30	ug/L		95
80) 1,3-dichloropropane	14.303	76	13071	2.23	ug/L		83
81) 2-hexanone	14.277	58	27456	9.59	ug/L		97
82) butyl acetate	14.335	56	9384	2.13	ug/L		92
83) dibromochloromethane	14.534	129	9923	2.16	ug/L		97
84) 1,2-dibromoethane	14.675	107	9131	2.16	ug/L		95
85) n-butyl ether	15.037	57	38590	2.27	ug/L		99
86) chlorobenzene	15.105	112	21719	2.09	ug/L		88
87) 1,1,1,2-tetrachloroethane	15.158	131	8095	2.21	ug/L		97
88) ethylbenzene	15.153	91	35529	2.07	ug/L		98
89) m,p-xylene	15.257	106	27905	4.24	ug/L		97
90) o-xylene	15.624	106	13675	2.15	ug/L		99
91) styrene	15.635	104	22961	2.14	ug/L		96
92) bromoform	15.855	173	7168	2.22	ug/L		97
93) butyl acrylate	15.446	55	23209	2.36	ug/L		99
94) isopropylbenzene	15.939	105	30999	2.09	ug/L		98
95) cis-1,4-dichloro-2-butene	15.970	88	3952	2.04	ug/L		95
98) bromobenzene	16.301	156	8958	2.17	ug/L		98
99) 1,1,2,2-tetrachloroethane	16.191	83	12094	2.18	ug/L		97
100) trans-1,4-dichloro-2-b...	16.212	53	3569	2.22	ug/L		83
101) 1,2,3-trichloropropane	16.269	110	3147	2.22	ug/L		97
102) n-propylbenzene	16.311	91	36577	2.05	ug/L		97
103) 2-chlorotoluene	16.442	126	7914	2.09	ug/L		93
104) 4-chlorotoluene	16.542	91	24202	2.03	ug/L		100
105) 1,3,5-trimethylbenzene	16.453	105	26270	2.12	ug/L		96
106) tert-butylbenzene	16.762	134	4913	2.23	ug/L		98
107) 1,2,4-trimethylbenzene	16.809	105	26737	2.17	ug/L		98
108) sec-butylbenzene	16.967	105	29523	2.05	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131932.D
Acq On : 6 Oct 2023 5:04 pm
Operator : nickw
Sample : ic5842-2
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:27:59 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:26:07 2023
Response via : Initial Calibration

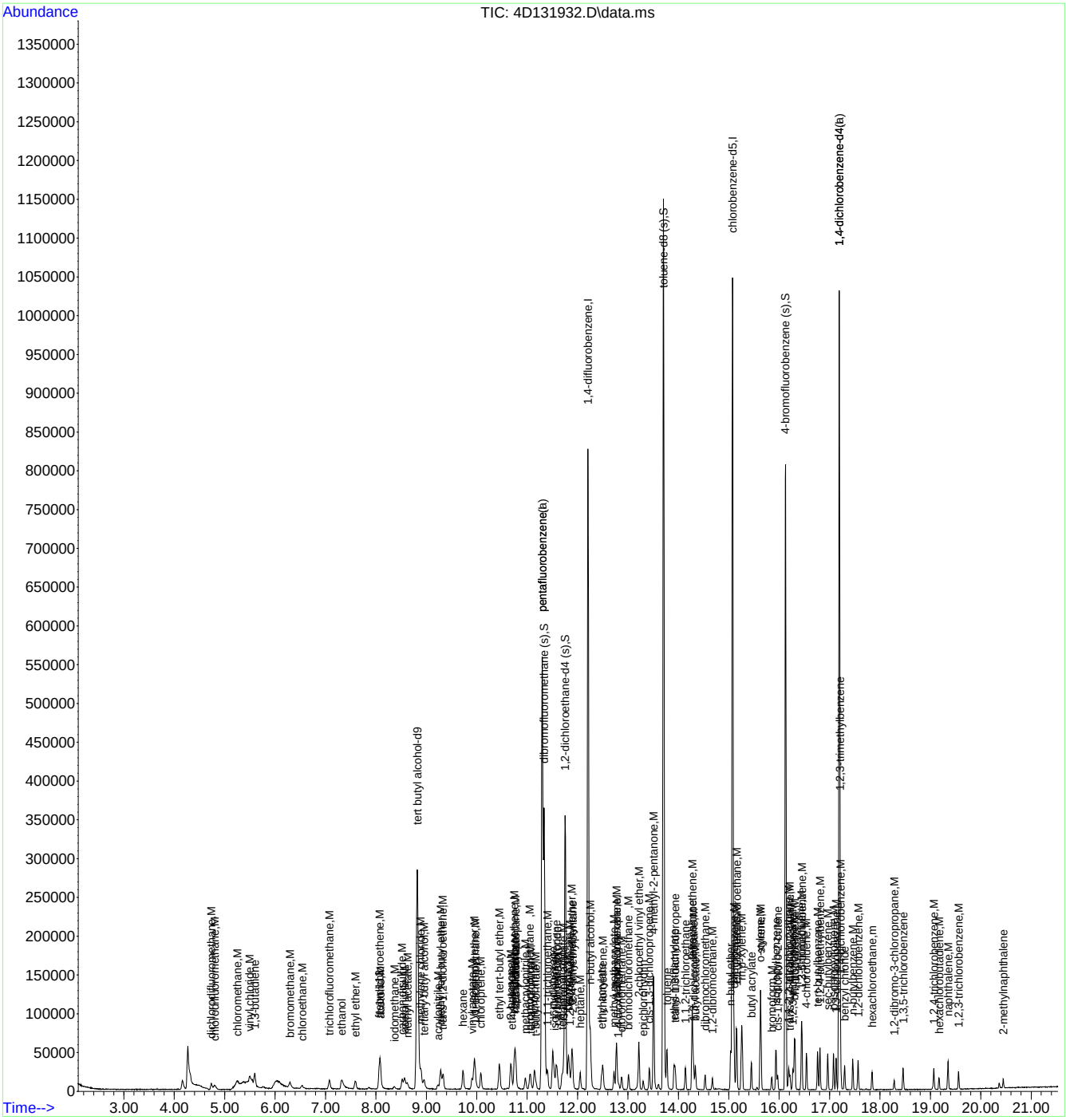
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	17.129	146	15456	2.15	ug/L	99
110) p-isopropyltoluene	17.082	119	24882	2.11	ug/L	98
111) 1,4-dichlorobenzene	17.218	146	14790	2.13	ug/L	98
112) 1,2,3-trimethylbenzene	17.208	105	25758	2.17	ug/L	90
113) benzyl chloride	17.297	91	20760	2.18	ug/L	98
114) 1,2-dichlorobenzene	17.570	146	14472	2.16	ug/L	97
115) n-butylbenzene	17.459	92	10868	2.07	ug/L	99
116) 1,2-dibromo-3-chloropr...	18.283	157	3071	2.15	ug/L	98
117) 1,3,5-trichlorobenzene	18.461	180	8664	2.13	ug/L	94
118) 1,2,4-trichlorobenzene	19.069	180	7378	2.09	ug/L	96
119) hexachlorobutadiene	19.174	225	2982	2.17	ug/L	95
120) naphthalene	19.352	128	25615	2.17	ug/L	98
121) 1,2,3-trichlorobenzene	19.562	180	6670	2.13	ug/L	98
122) hexachloroethane	17.842	201	3467	2.09	ug/L	94
123) 2-methylnaphthalene	20.448	142	5160	1.04	ug/L	94

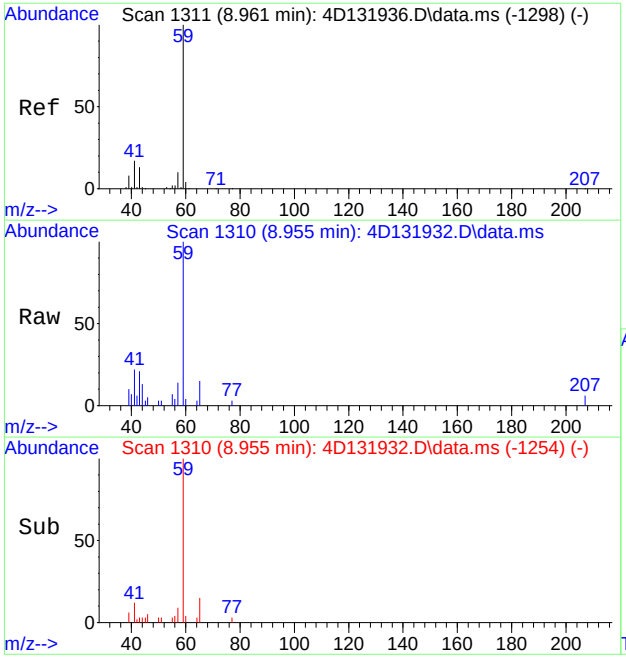
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131932.D
Acq On : 6 Oct 2023 5:04 pm
Operator : nickw
Sample : ic5842-2
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 15:27:59 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:26:07 2023
Response via : Initial Calibration

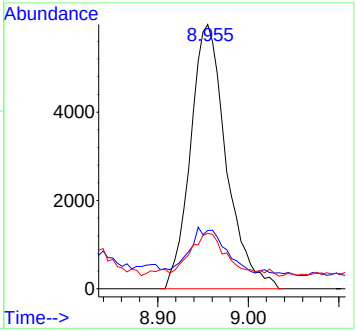


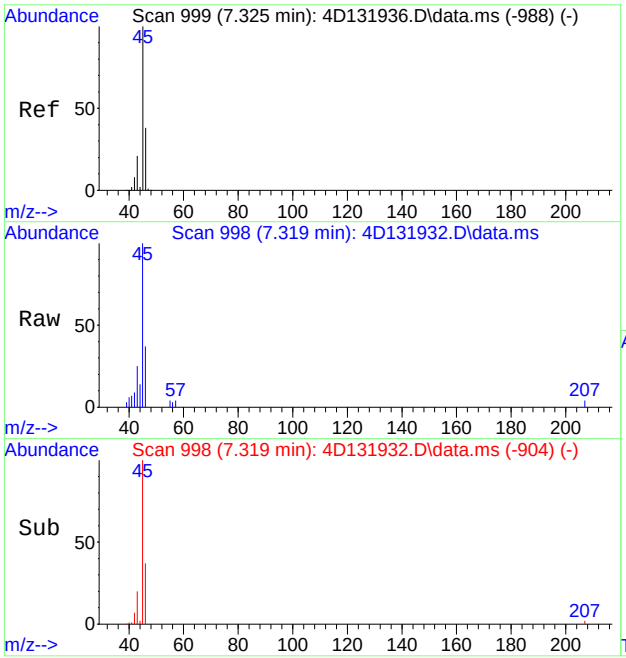


#2
tertiary butyl alcohol
Concen: 10.89 ug/L
RT: 8.955 min Scan# 1310
Delta R.T. -0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 59 Resp: 16371

Ion	Ratio	Lower	Upper
59	100		
41	16.4	0.0	49.8
43	15.9	0.0	43.7

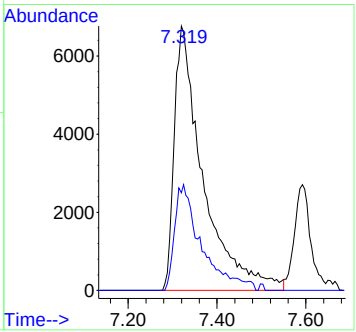


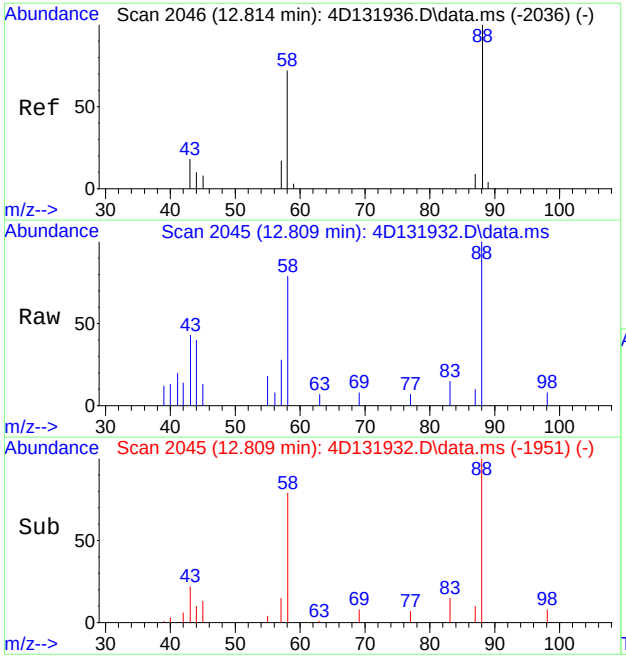


#3
ethanol
Concen: 212.73 ug/L
RT: 7.319 min Scan# 998
Delta R.T. -0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 45 Resp: 30474

Ion	Ratio	Lower	Upper
45	100		
46	36.9	8.2	68.2

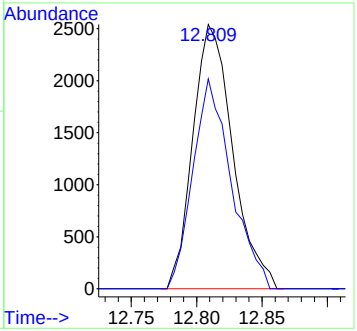


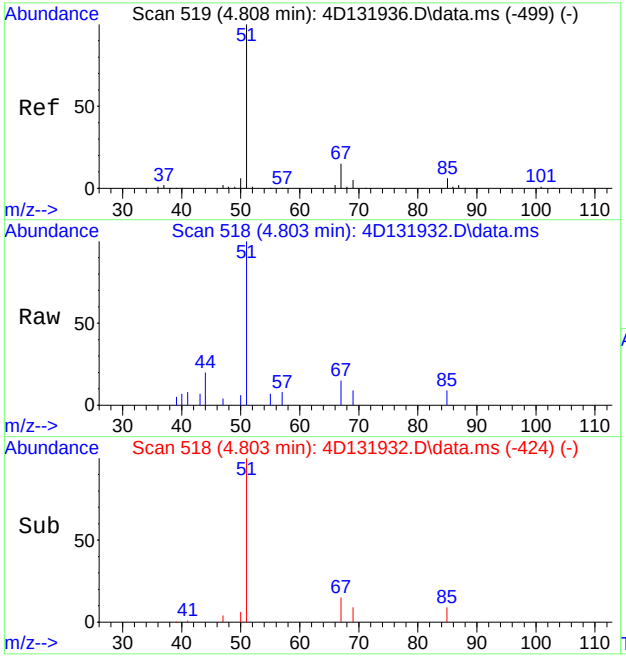


#4
1,4-dioxane
Concen: 68.34 ug/L
RT: 12.809 min Scan# 2045
Delta R.T. -0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 88 Resp: 5403

Ion	Ratio	Lower	Upper
88	100		
58	79.4	43.1	103.1

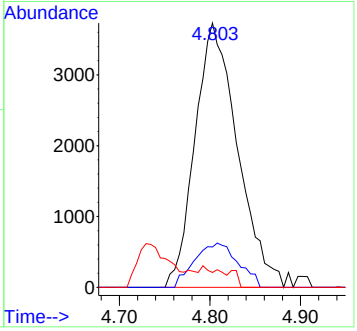


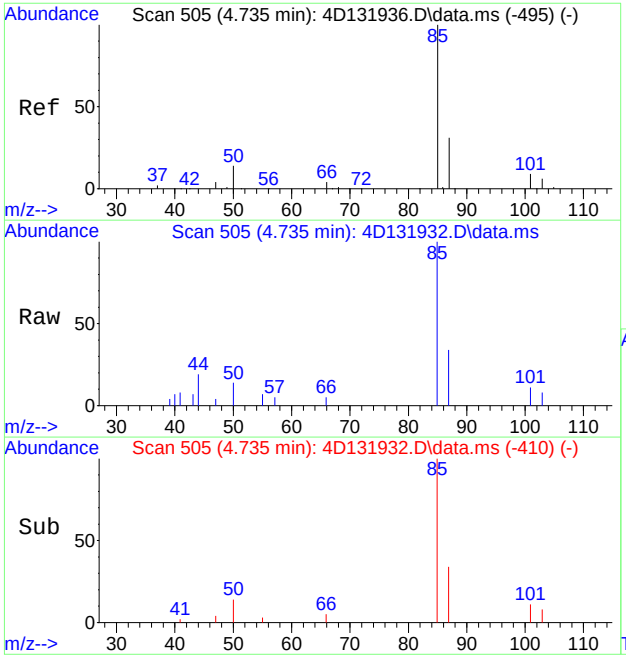


#6
chlorodifluoromethane
Concen: 2.03 ug/L
RT: 4.803 min Scan# 518
Delta R.T. -0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 51 Resp: 12148

Ion	Ratio	Lower	Upper
51	100		
67	15.3	0.0	45.1
50	5.7	0.0	36.9

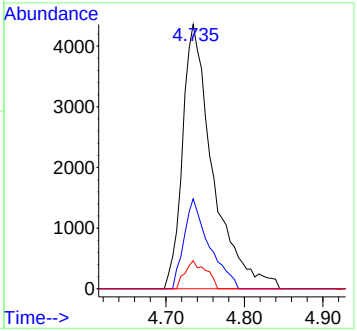


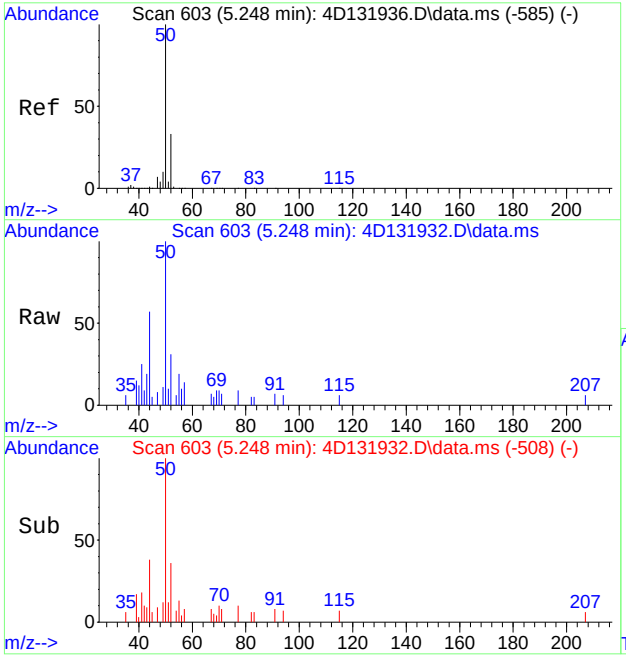


#7
dichlorodifluoromethane
Concen: 1.75 ug/L
RT: 4.735 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 85 Resp: 11706

Ion	Ratio	Lower	Upper
85	100		
87	34.1	1.4	61.4
101	10.6	0.0	39.3

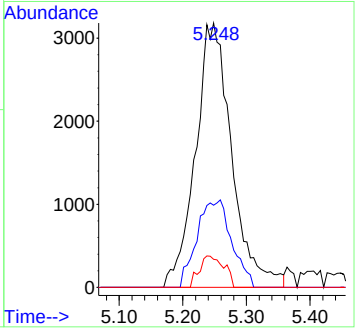


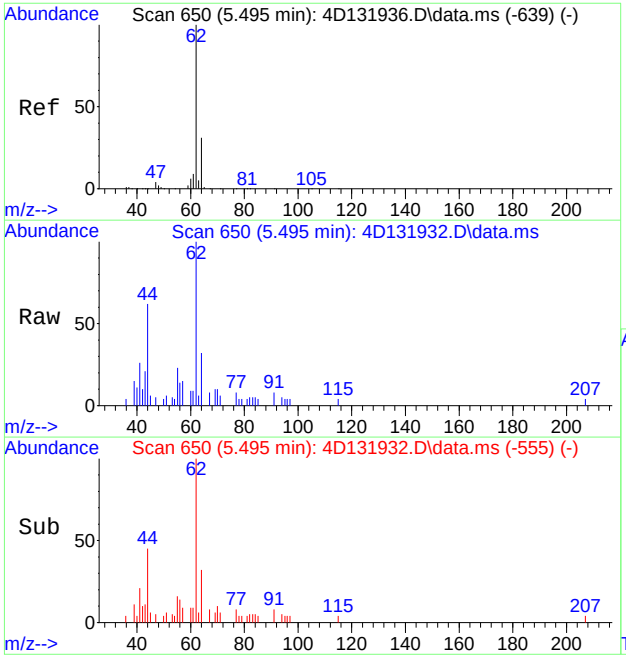


#8
chloromethane
Concen: 1.59 ug/L
RT: 5.248 min Scan# 603
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 50 Resp: 12619

Ion	Ratio	Lower	Upper
50	100		
52	31.1	2.8	62.8
49	10.7	0.0	40.0

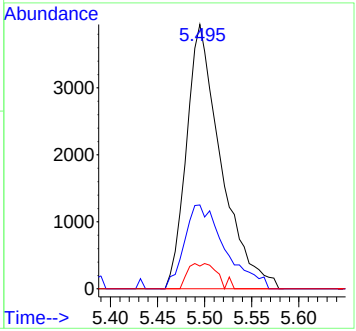


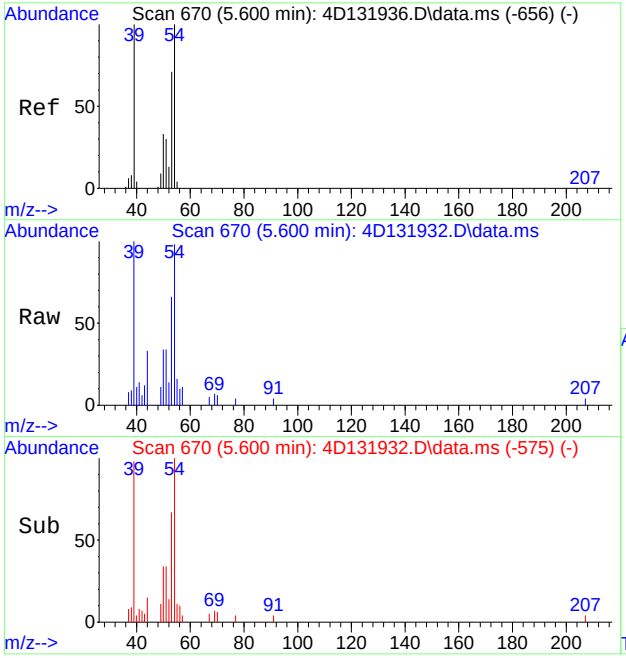


#9
vinyl chloride
Concen: 1.67 ug/L
RT: 5.495 min Scan# 650
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 62 Resp: 10037

Ion	Ratio	Lower	Upper
62	100		
64	31.7	1.2	61.2
61	8.6	0.0	38.7

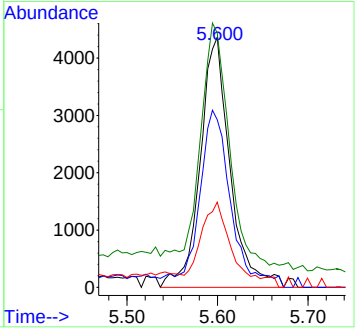


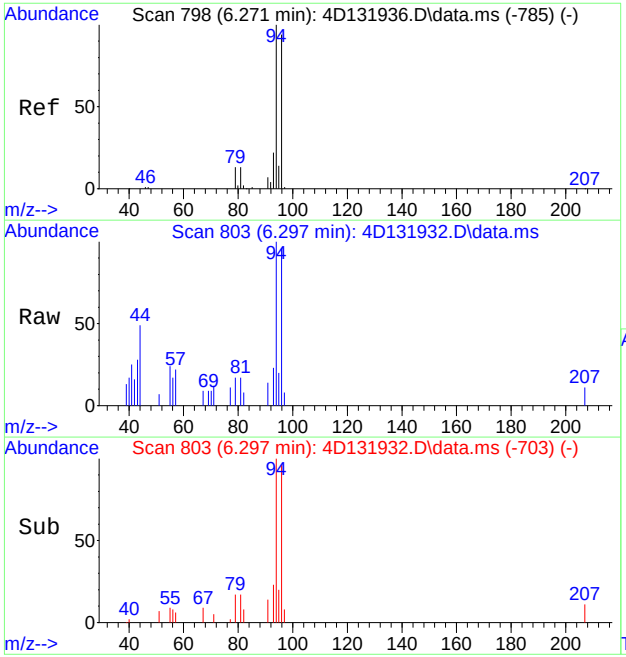


#10
1,3-butadiene
Concen: 2.12 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 54 Resp: 9993

Ion	Ratio	Lower	Upper
54	100		
53	67.0	41.0	101.0
51	34.1	0.0	59.6
39	92.4	79.8	119.8

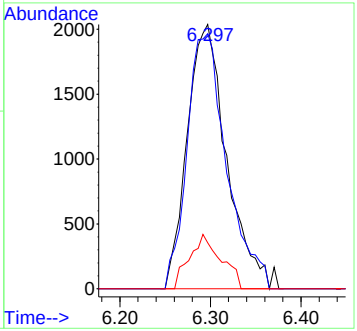


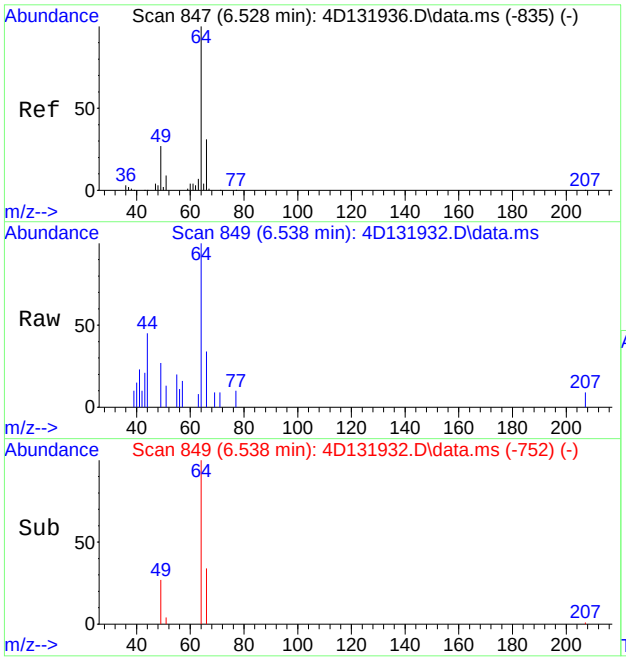


#11
bromomethane
Concen: 1.81 ug/L
RT: 6.297 min Scan# 803
Delta R.T. 0.026 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 94 Resp: 6186

Ion	Ratio	Lower	Upper
94	100		
96	96.5	63.6	123.6
79	17.4	0.0	43.4

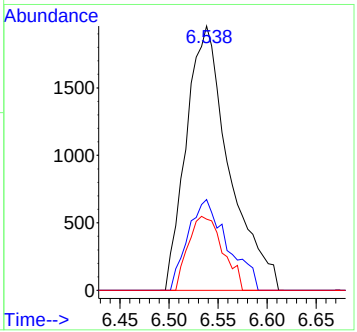


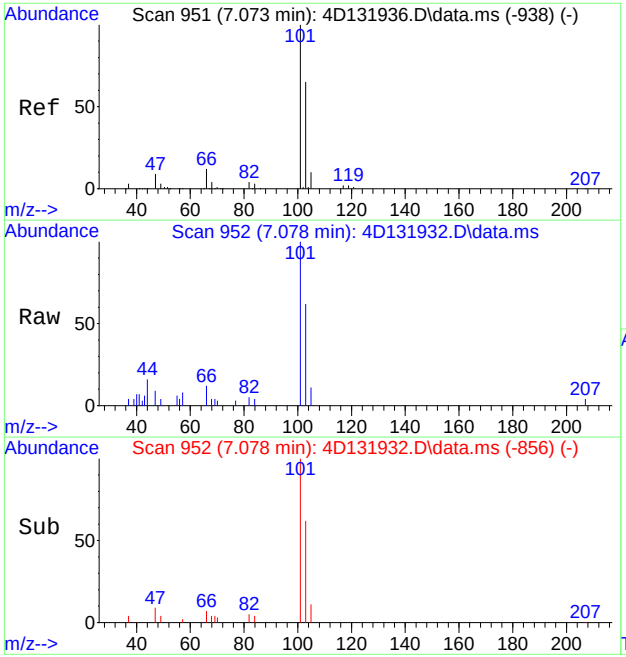


#12
chloroethane
Concen: 1.62 ug/L
RT: 6.538 min Scan# 849
Delta R.T. 0.010 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 64 Resp: 5936

Ion	Ratio	Lower	Upper
64	100		
66	34.4	1.2	61.2
49	26.9	0.0	57.3

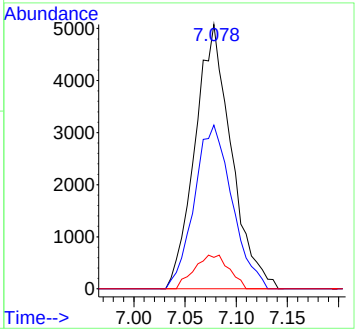


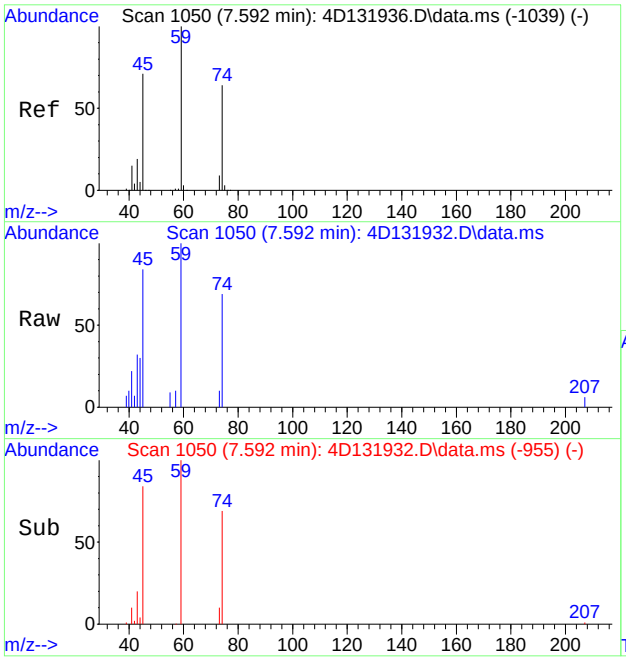


#13
trichlorofluoromethane
Concen: 1.84 ug/L
RT: 7.078 min Scan# 952
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:101 Resp: 12538

Ion	Ratio	Lower	Upper
101	100		
103	61.9	35.1	95.1
66	11.9	0.0	42.2

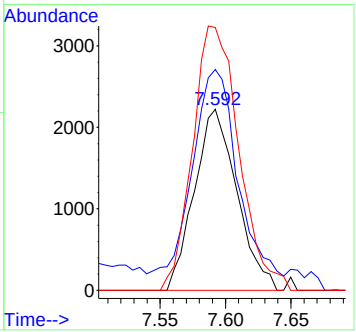


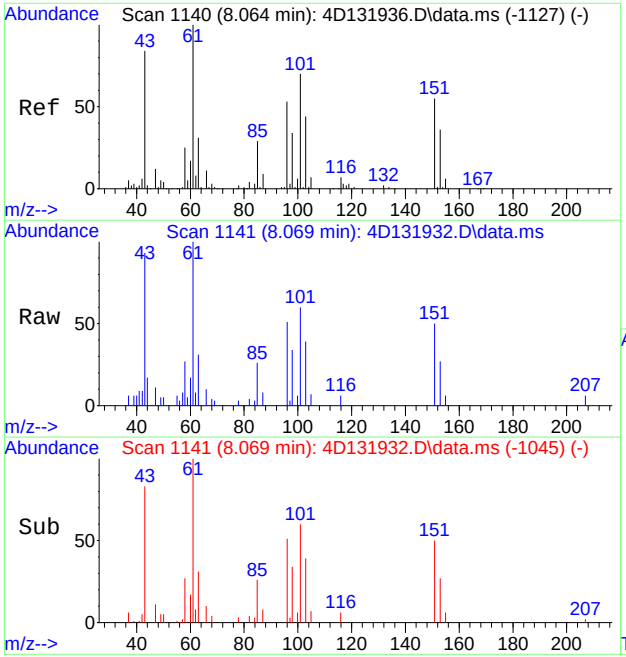


#14
ethyl ether
Concen: 2.23 ug/L
RT: 7.592 min Scan# 1050
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 74 Resp: 5032

Ion	Ratio	Lower	Upper
74	100		
45	114.1	89.0	149.0
59	145.3	125.8	185.8

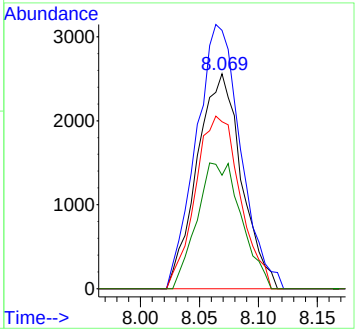


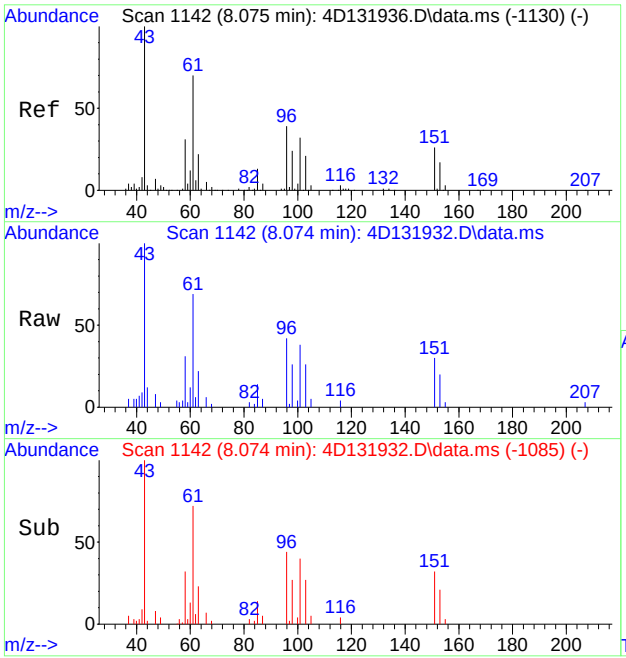


#16
freon 113
Concen: 2.32 ug/L
RT: 8.069 min Scan# 1141
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:151 Resp: 6718

Ion	Ratio	Lower	Upper
151	100		
101	120.1	107.6	147.6
103	77.8	61.2	101.2
153	52.9	45.4	85.4

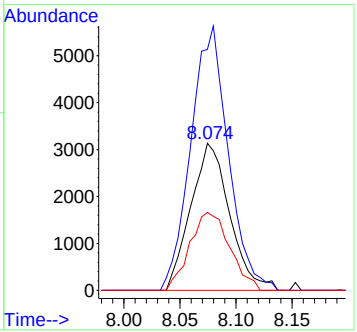


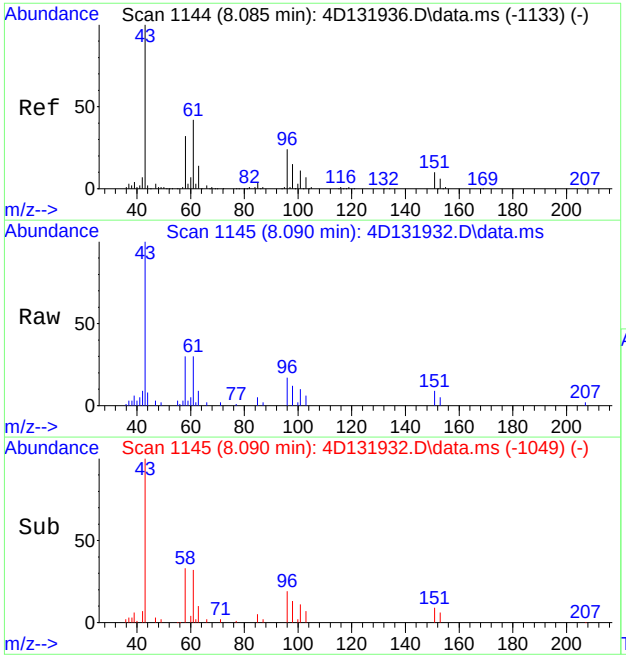


#17
1,1-dichloroethene
Concen: 2.16 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 96 Resp: 7591

Ion	Ratio	Lower	Upper
96	100		
61	163.9	149.0	209.0
63	53.1	26.1	86.1

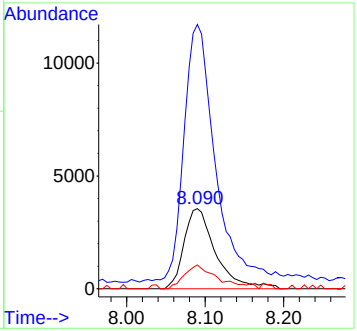


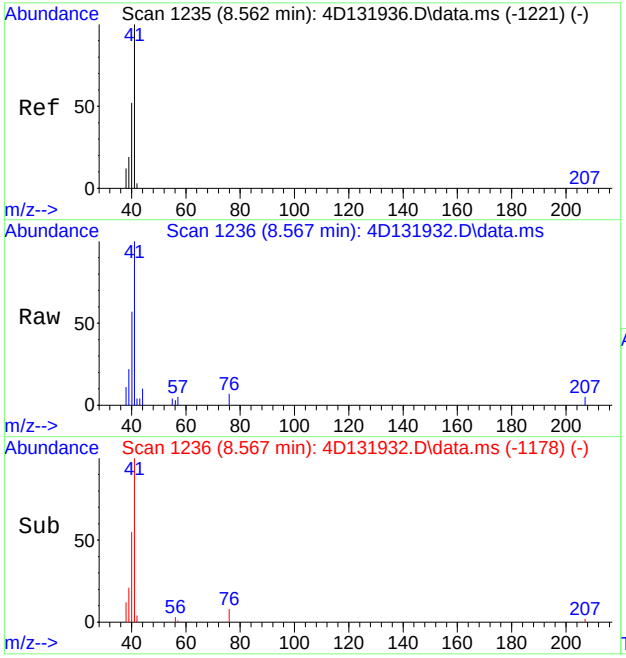


#18
acetone
Concen: 10.37 ug/L
RT: 8.090 min Scan# 1145
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 58 Resp: 9949

Ion	Ratio	Lower	Upper
58	100		
43	319.0	285.1	345.1
42	29.9	0.0	53.5

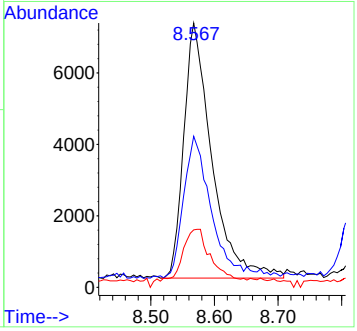


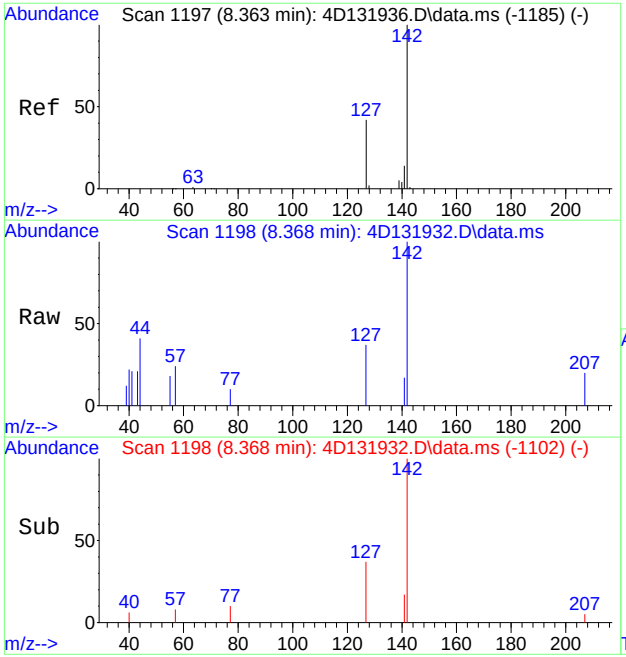


#19
acetonitrile
Concen: 20.66 ug/L
RT: 8.567 min Scan# 1236
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 41 Resp: 21904

Ion	Ratio	Lower	Upper
41	100		
40	54.7	22.4	82.4
39	20.0	0.0	49.2

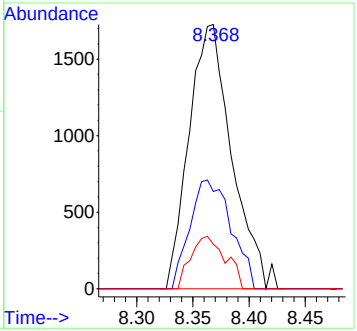


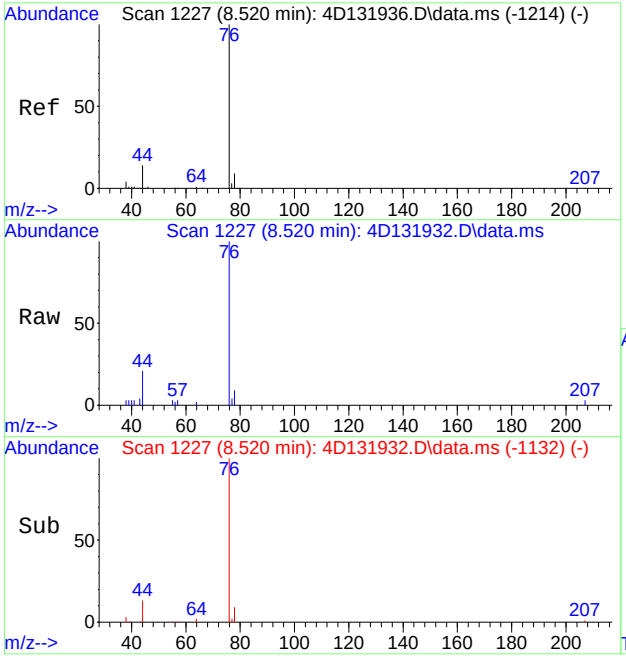


#20
iodomethane
Concen: 0.87 ug/L
RT: 8.368 min Scan# 1198
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:142 Resp: 4598

Ion	Ratio	Lower	Upper
142	100		
127	36.8	11.7	71.7
141	16.9	0.0	44.4

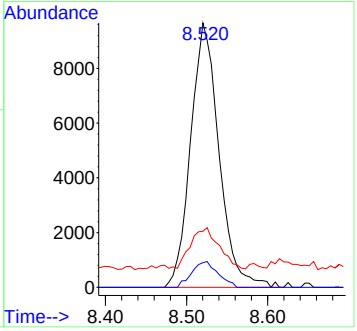


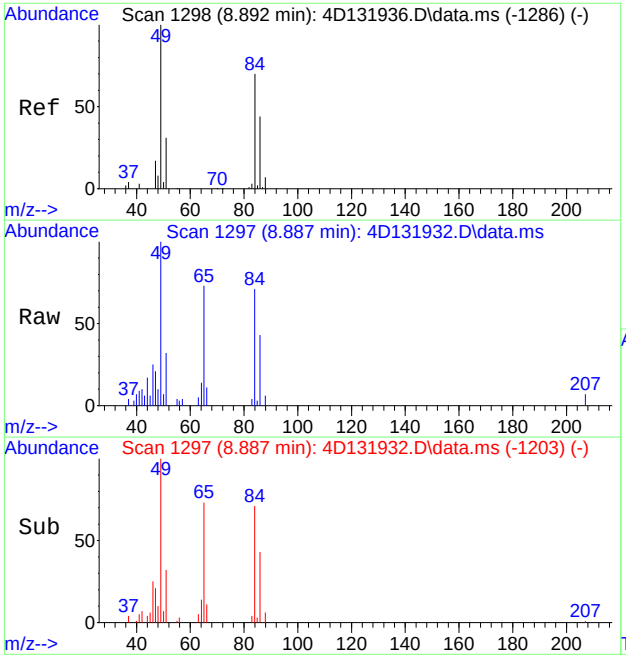


#21
carbon disulfide
Concen: 2.07 ug/L
RT: 8.520 min Scan# 1227
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 76 Resp: 23505

Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	39.2
44	13.0	0.0	44.4

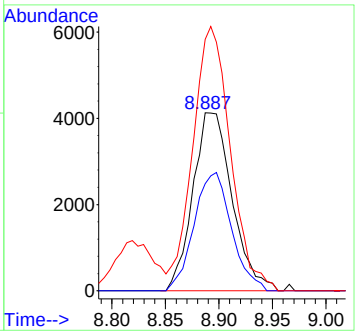


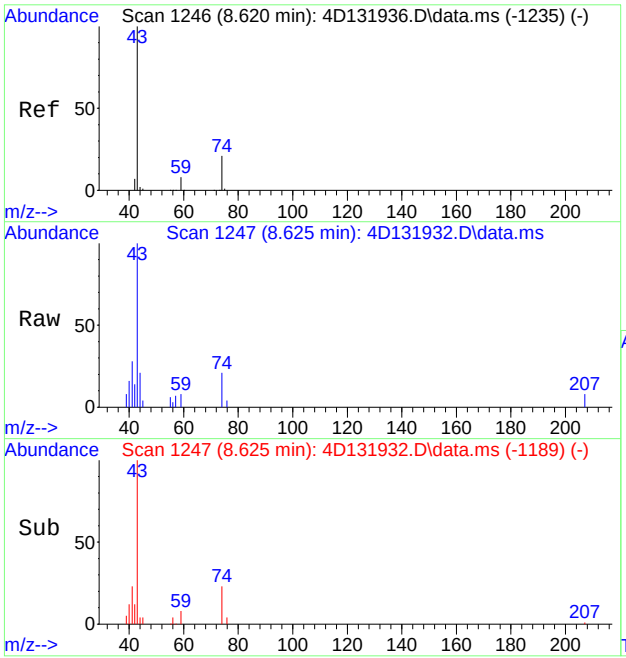


#22
methylene chloride
Concen: 2.03 ug/L
RT: 8.887 min Scan# 1297
Delta R.T. -0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 84 Resp: 10557

Ion	Ratio	Lower	Upper
84	100		
86	60.2	33.7	93.7
49	141.4	114.9	174.9

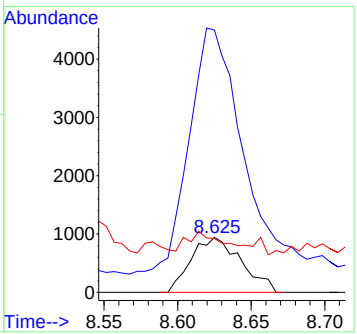


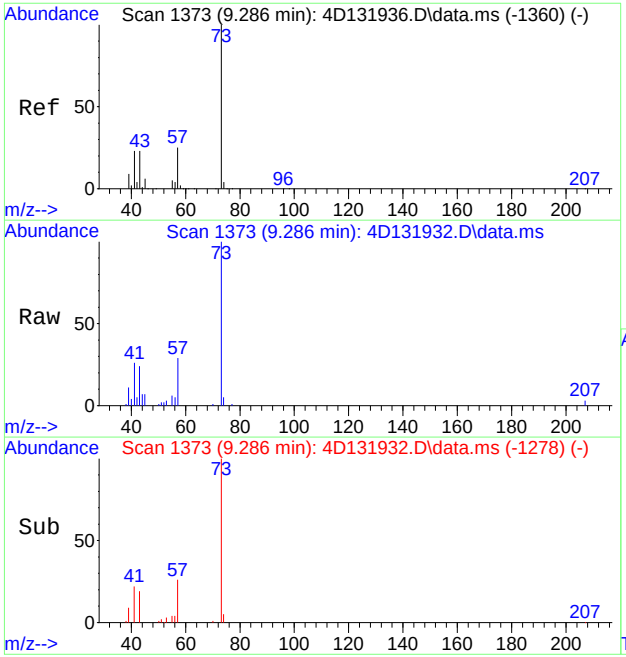


#23
methyl acetate
Concen: 1.99 ug/L
RT: 8.625 min Scan# 1247
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 74 Resp: 2220

Ion	Ratio	Lower	Upper
74	100		
43	421.7	453.1	513.1#
44	25.8	0.0	45.1

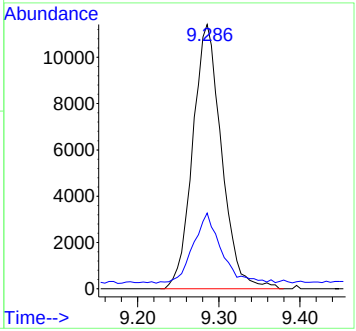


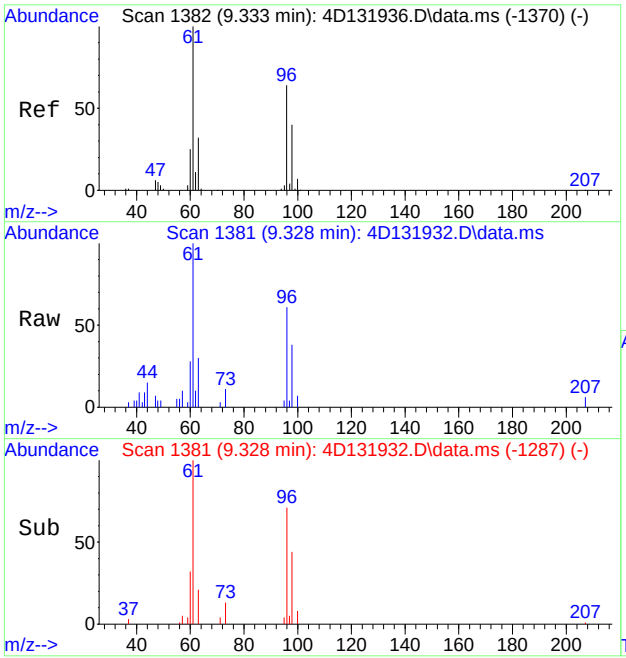


#24
methyl tert butyl ether
Concen: 2.13 ug/L
RT: 9.286 min Scan# 1373
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 73 Resp: 28144

Ion	Ratio	Lower	Upper
73	100		
57	25.9	0.0	224.6

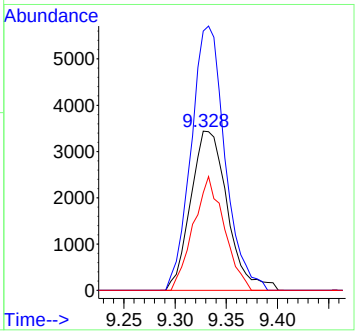


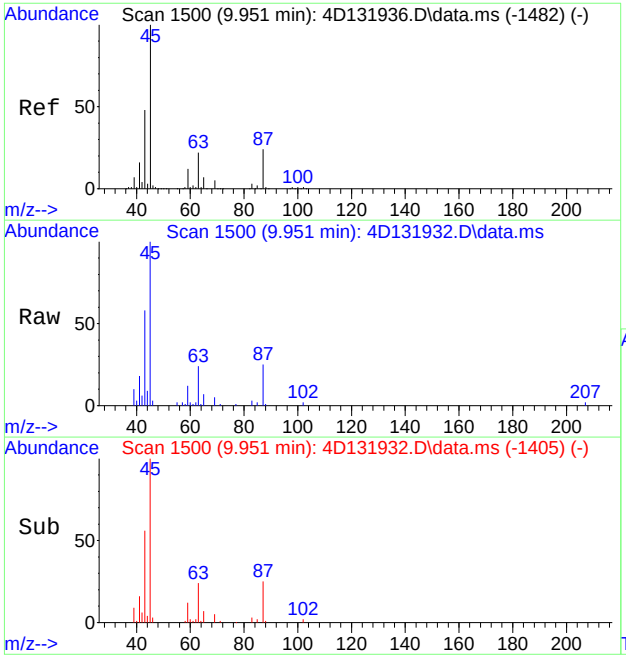


#25
trans-1,2-dichloroethene
Concen: 2.17 ug/L
RT: 9.328 min Scan# 1381
Delta R.T. -0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 96 Resp: 8595

Ion	Ratio	Lower	Upper
96	100		
61	162.9	126.5	186.5
98	61.3	33.3	93.3

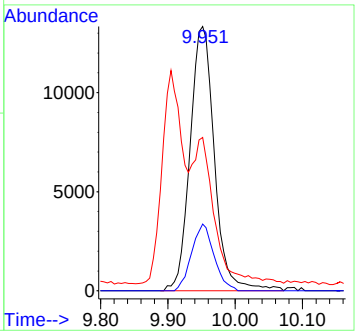


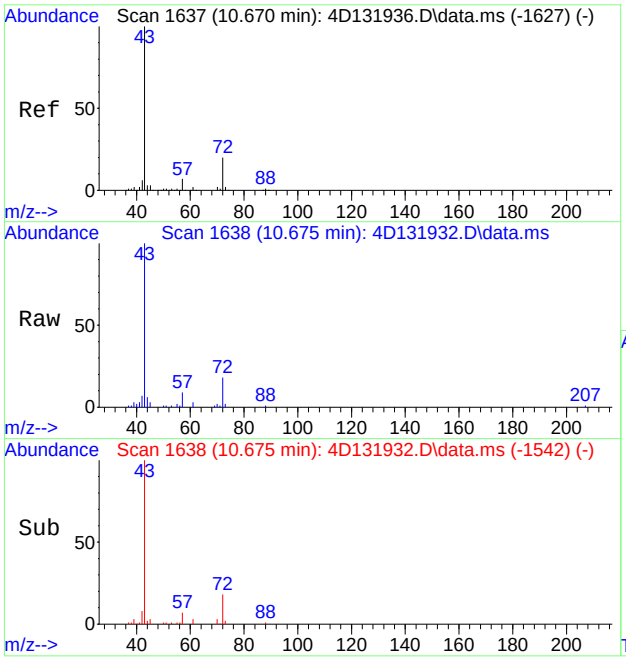


#26
di-isopropyl ether
Concen: 2.09 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 45 Resp: 33629

Ion	Ratio	Lower	Upper
45	100		
87	25.2	0.0	54.4
43	55.0	18.8	78.8

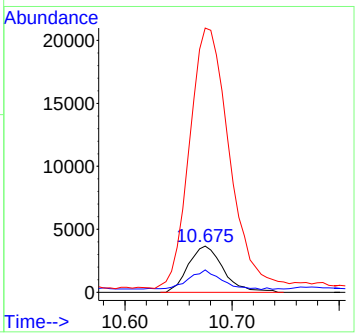


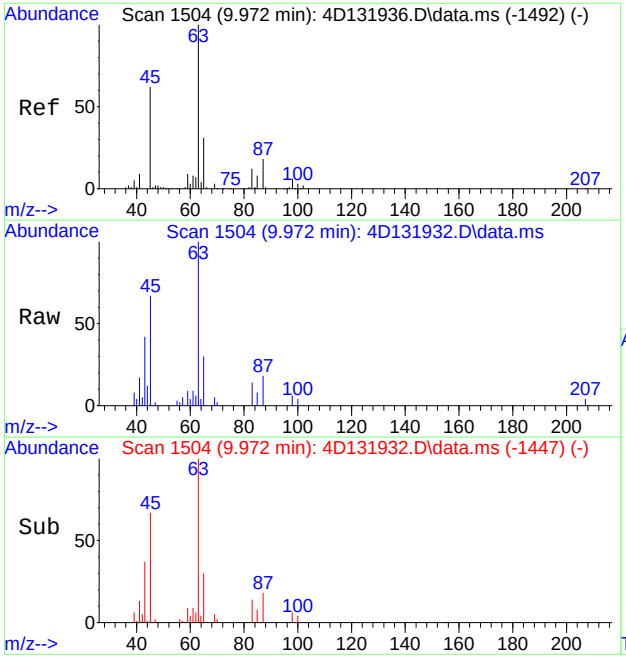


#27
2-butanone
Concen: 9.34 ug/L
RT: 10.675 min Scan# 1638
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 72 Resp: 8368

Ion	Ratio	Lower	Upper
72	100		
57	41.2	3.7	63.7
43	554.5	475.8	535.8#

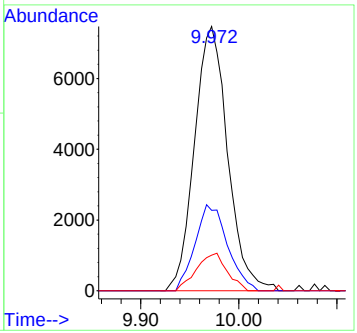


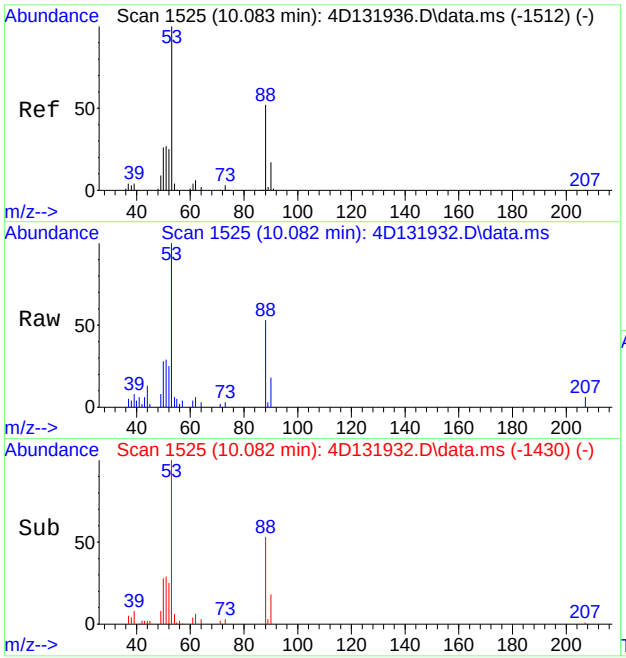


#28
1,1-dichloroethane
Concen: 2.18 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 63 Resp: 17605

Ion	Ratio	Lower	Upper
63	100		
65	30.5	0.9	60.9
83	13.5	0.0	42.3

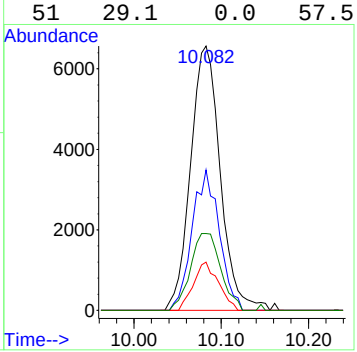


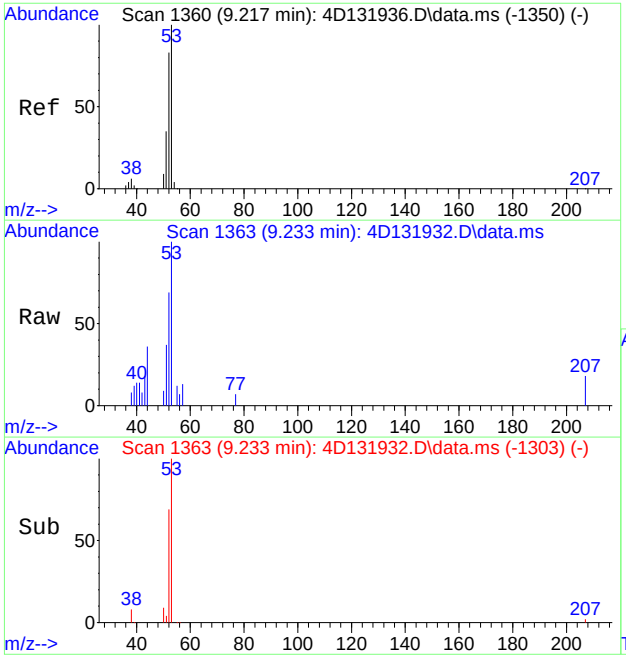


#29
chloroprene
Concen: 2.14 ug/L
RT: 10.082 min Scan# 1525
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 53 Resp: 15638

Ion	Ratio	Lower	Upper
53	100		
88	53.2	21.8	81.8
90	18.3	0.0	47.2
51	29.1	0.0	57.5

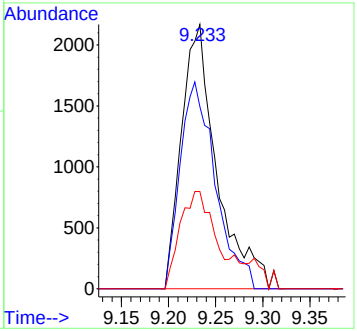


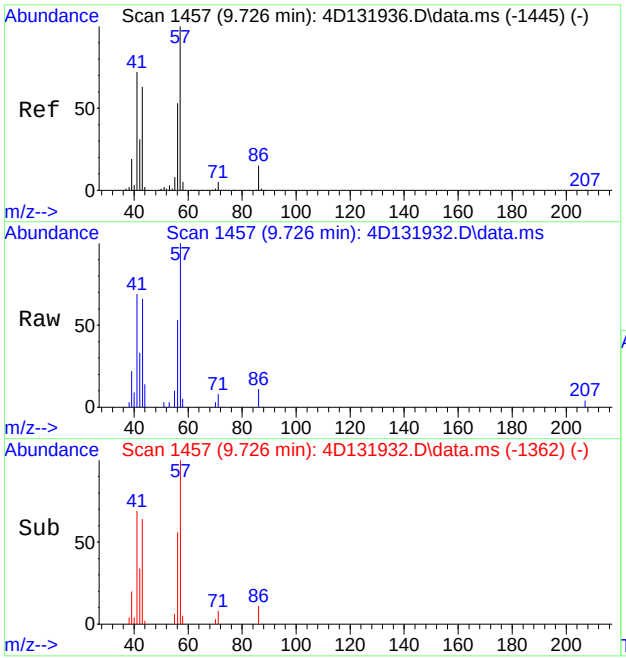


#30
acrylonitrile
Concen: 2.04 ug/L
RT: 9.233 min Scan# 1363
Delta R.T. 0.016 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 53 Resp: 5706

Ion	Ratio	Lower	Upper
53	100		
52	68.9	53.4	113.4
51	36.7	5.0	65.0

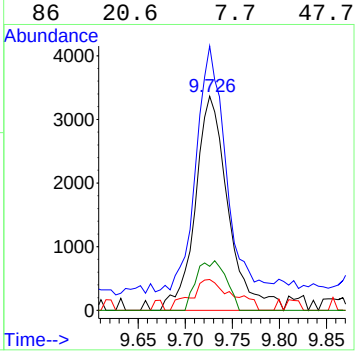


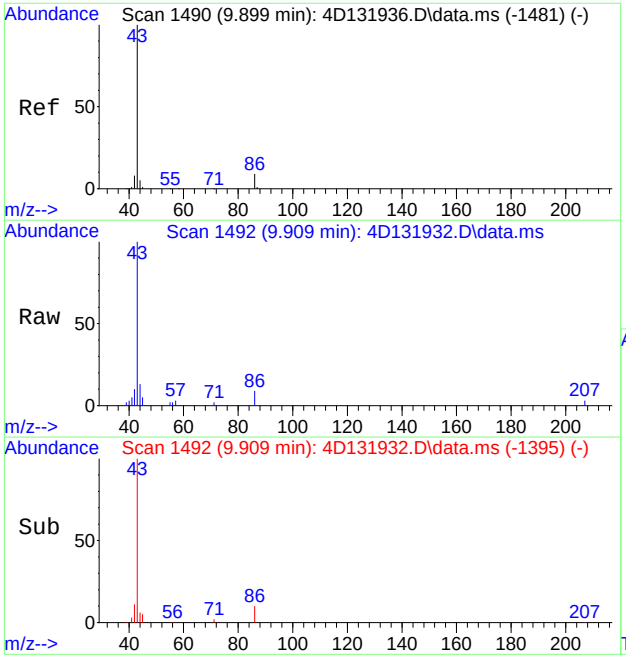


#31
hexane
Concen: 2.04 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 56 Resp: 8157

Ion	Ratio	Lower	Upper
56	100		
43	113.9	98.5	138.5
71	14.5	0.0	30.3
86	20.6	7.7	47.7

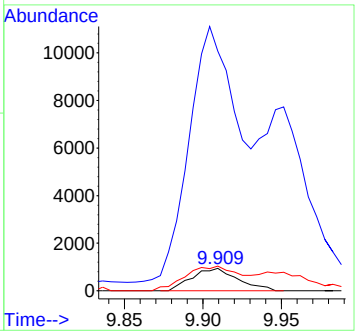


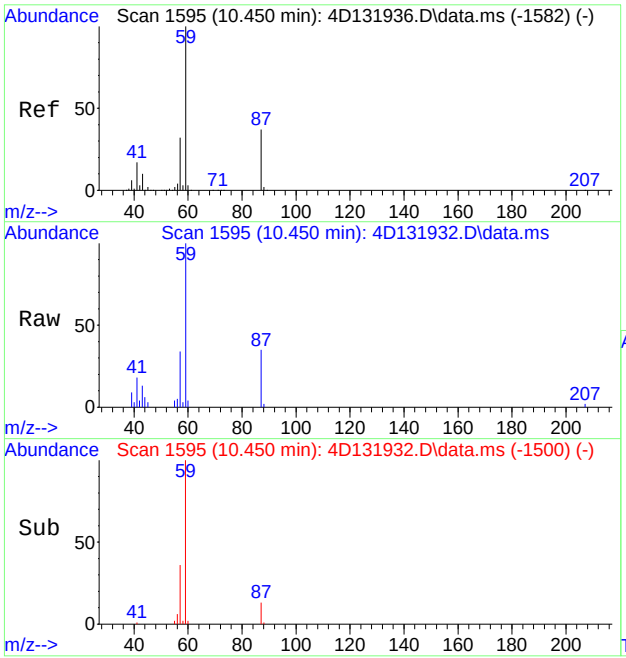


#32
vinyl acetate
Concen: 1.96 ug/L
RT: 9.909 min Scan# 1492
Delta R.T. 0.010 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 86 Resp: 1916

Ion	Ratio	Lower	Upper
86	100		
43	1006.1	1142.7	1202.7#
42	92.0	69.4	129.4

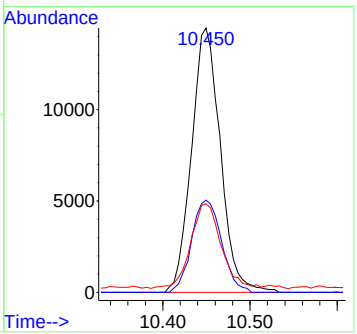


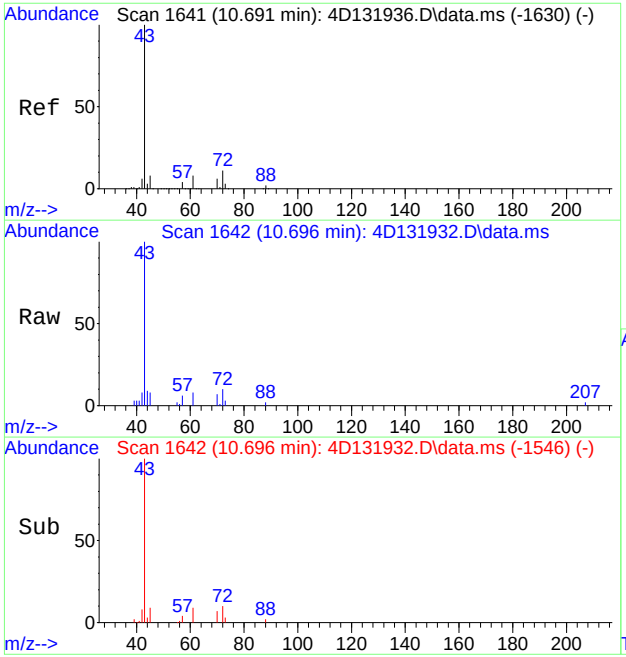


#33
ethyl tert-butyl ether
Concen: 2.13 ug/L
RT: 10.450 min Scan# 1595
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 59 Resp: 33327

Ion	Ratio	Lower	Upper
59	100		
87	34.9	6.6	66.6
57	31.7	2.2	62.2

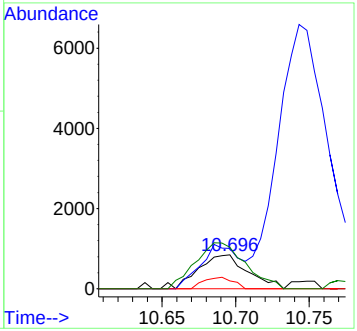


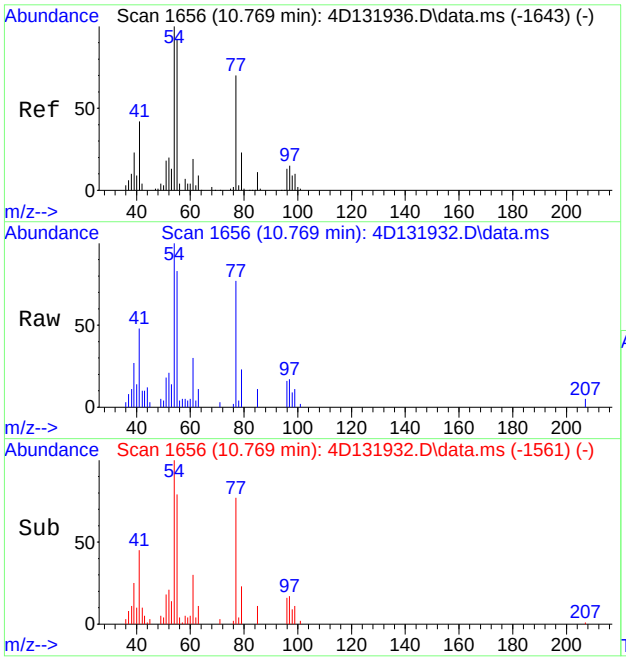


#34
ethyl acetate
Concen: 2.10 ug/L
RT: 10.696 min Scan# 1642
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 70 Resp: 1984

Ion	Ratio	Lower	Upper
70	100		
61	119.4	108.4	168.4
88	23.5	5.9	65.9
45	122.5	110.6	170.6

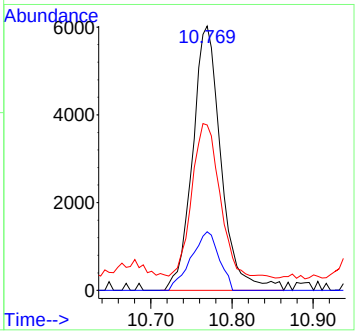


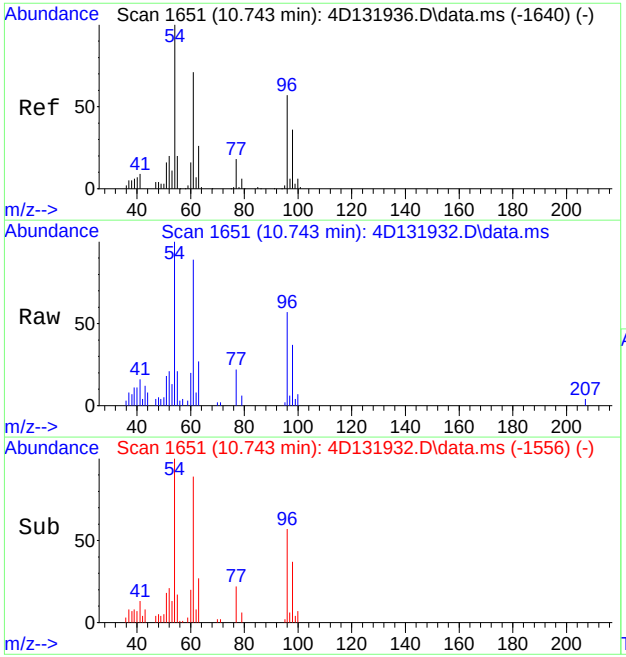


#35
2,2-dichloropropane
Concen: 2.05 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 77 Resp: 14725

Ion	Ratio	Lower	Upper
77	100		
97	22.2	0.0	51.9
41	57.4	29.6	89.6

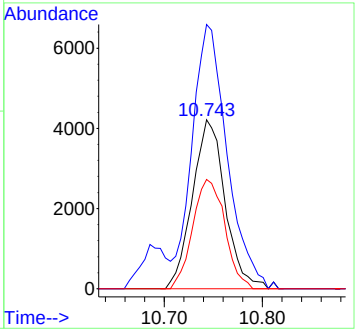


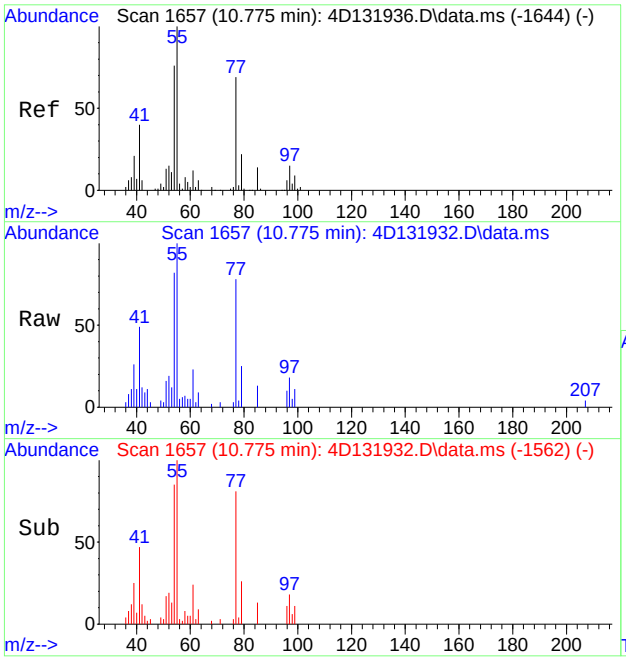


#36
cis-1,2-dichloroethene
Concen: 2.04 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 96 Resp: 9818

Ion	Ratio	Lower	Upper
96	100		
61	156.5	119.6	179.6
98	64.7	34.3	94.3

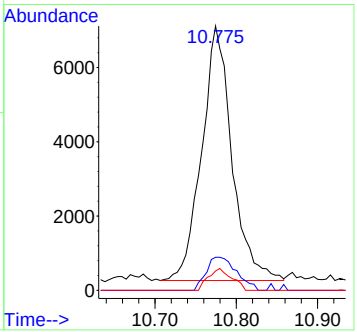


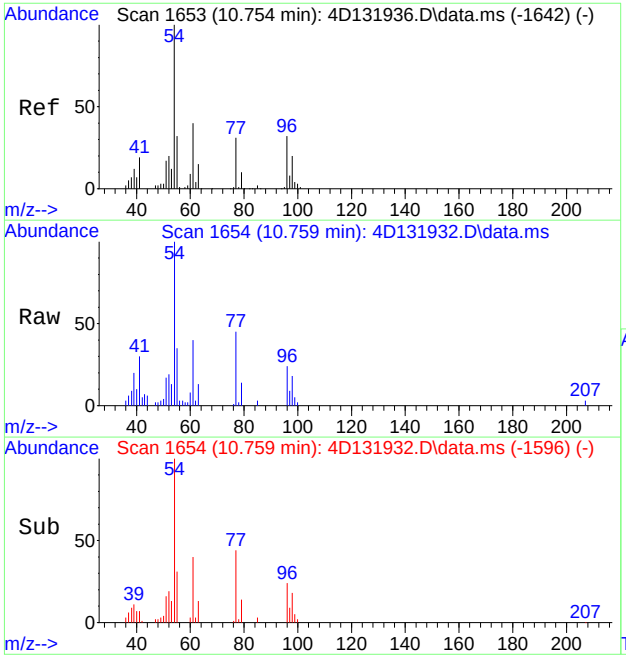


#37
methyl acrylate
Concen: 2.05 ug/L
RT: 10.775 min Scan# 1657
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 55 Resp: 17671

Ion	Ratio	Lower	Upper
55	100		
85	13.1	0.0	43.7
58	7.6	0.0	38.0

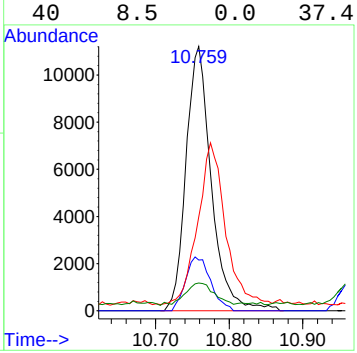


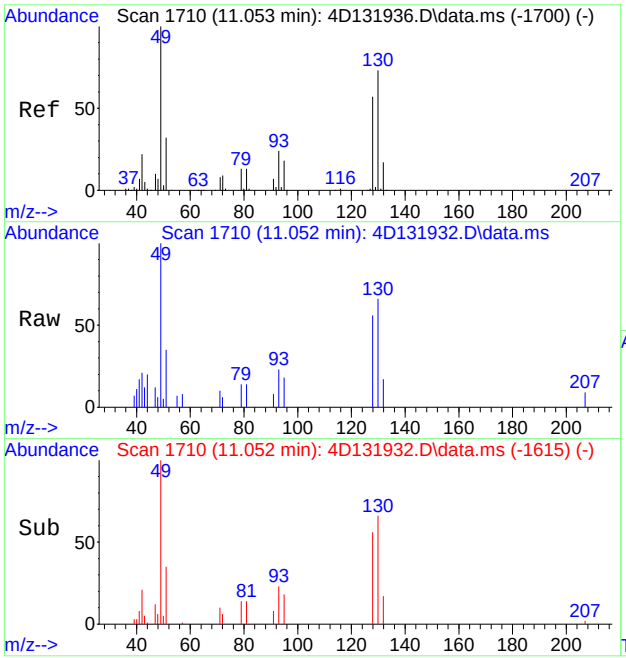


#38
propionitrile
Concen: 21.91 ug/L
RT: 10.759 min Scan# 1654
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 54 Resp: 26719

Ion	Ratio	Lower	Upper
54	100		
52	19.2	0.0	49.8
55	33.1	2.6	62.6
40	8.5	0.0	37.4

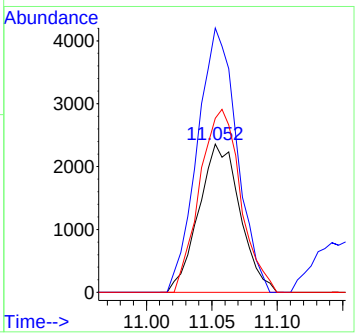


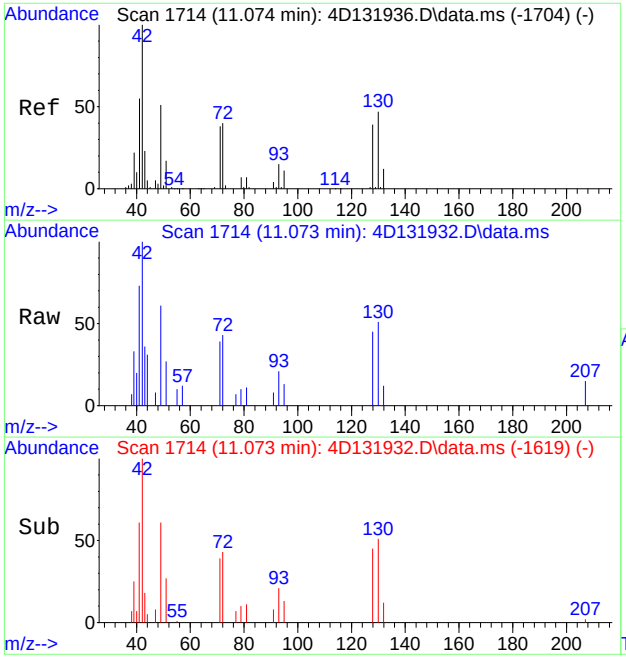


#39
bromochloromethane
Concen: 2.25 ug/L
RT: 11.052 min Scan# 1710
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:128 Resp: 5184

Ion	Ratio	Lower	Upper
128	100		
49	178.4	145.9	205.9
130	117.4	97.8	157.8

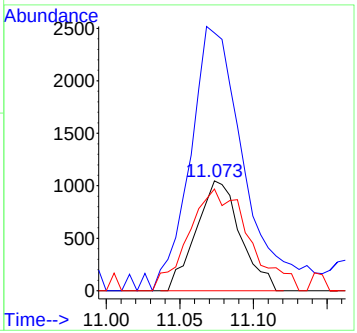


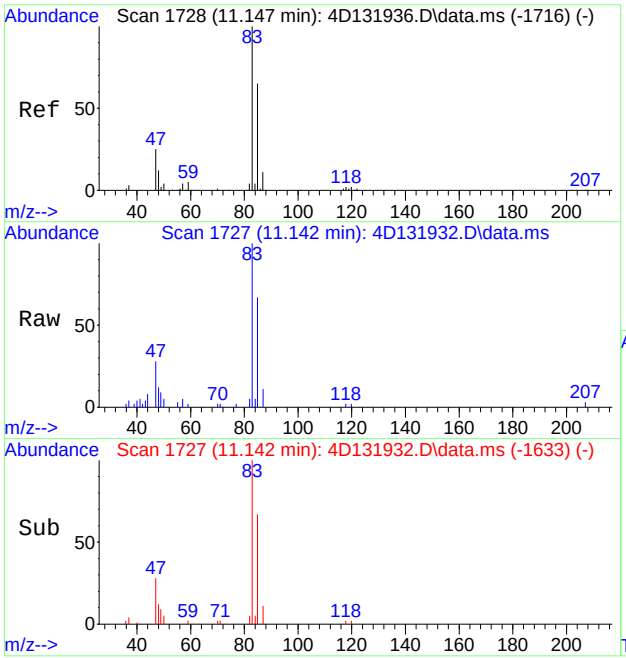


#40
tetrahydrofuran
Concen: 2.14 ug/L
RT: 11.073 min Scan# 1714
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 72 Resp: 2189

Ion	Ratio	Lower	Upper
72	100		
42	215.8	219.9	279.9#
71	77.0	66.1	126.1

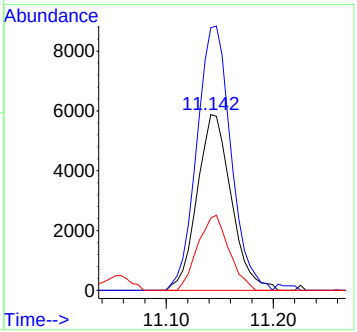


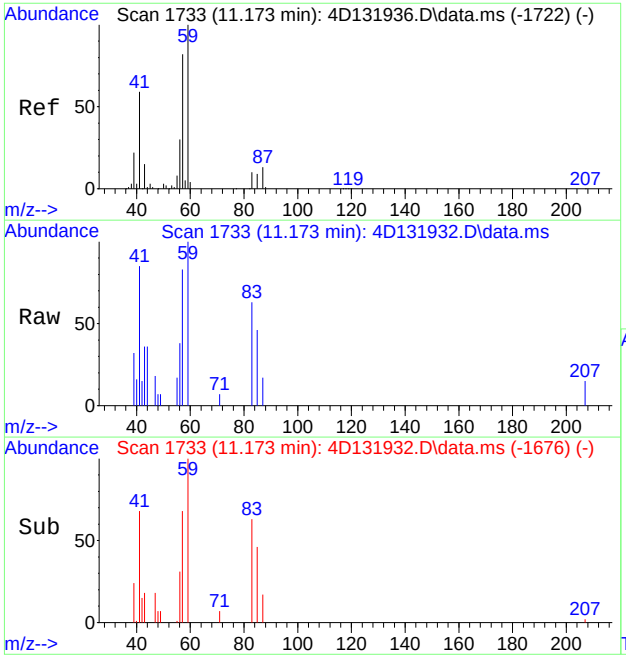


#41
chloroform
Concen: 1.80 ug/L
RT: 11.142 min Scan# 1727
Delta R.T. -0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 85 Resp: 13040

Ion	Ratio	Lower	Upper
85	100		
83	149.5	123.5	183.5
47	41.2	9.8	69.8

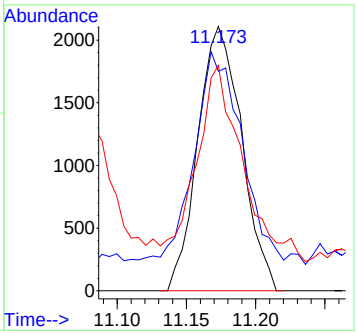


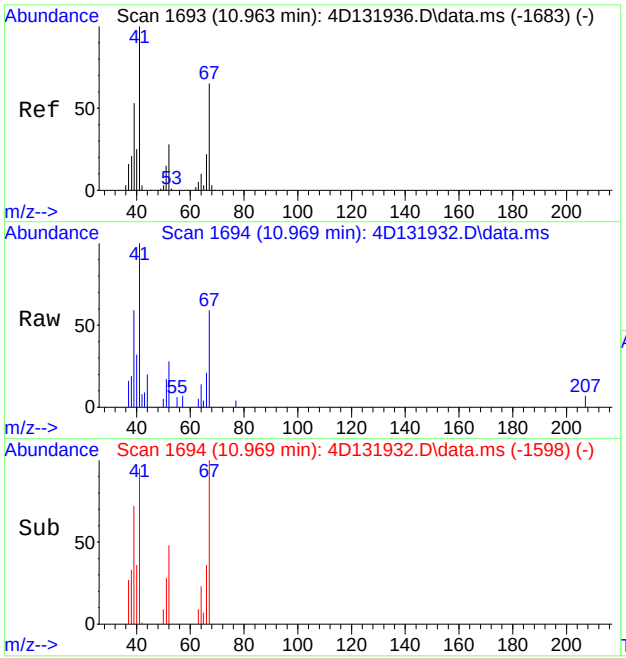


#42
t-butyl formate
Concen: 2.42 ug/L
RT: 11.173 min Scan# 1733
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 59 Resp: 4630

Ion	Ratio	Lower	Upper
59	100		
57	71.4	51.8	111.8
41	68.3	32.4	92.4

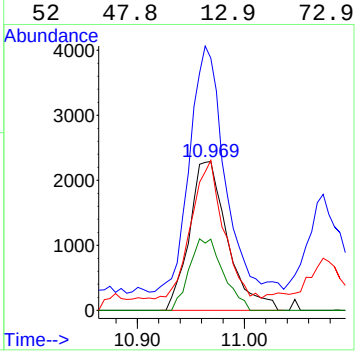


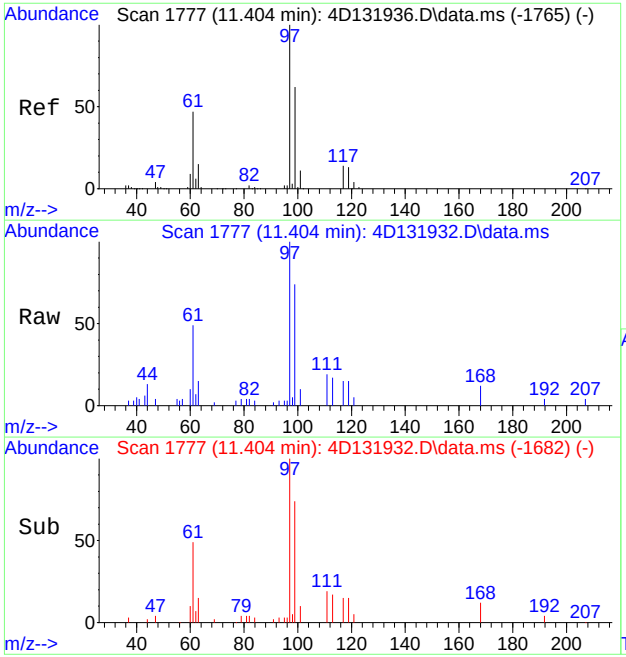


#44
methacrylonitrile
Concen: 2.09 ug/L
RT: 10.969 min Scan# 1694
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 67 Resp: 5650

Ion	Ratio	Lower	Upper
67	100		
41	155.3	123.0	183.0
39	91.2	50.9	110.9
52	47.8	12.9	72.9

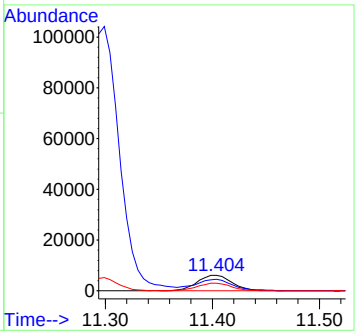


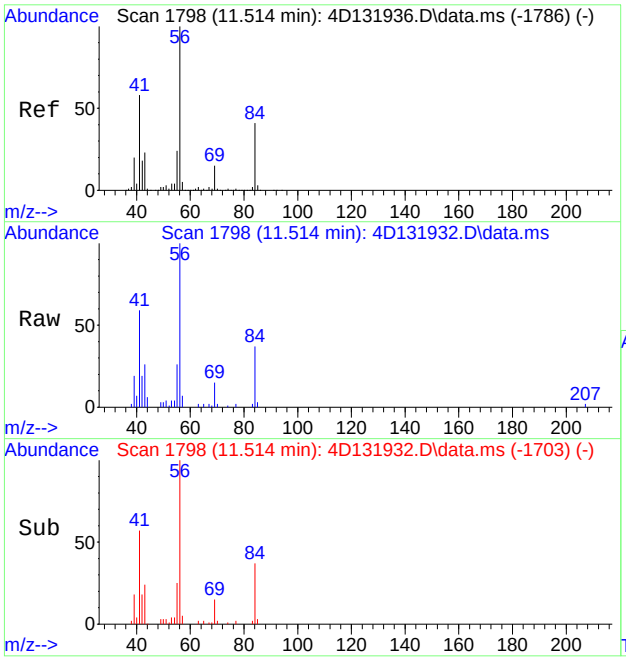


#45
1,1,1-trichloroethane
Concen: 2.21 ug/L
RT: 11.404 min Scan# 1777
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 97 Resp: 13942

Ion	Ratio	Lower	Upper
97	100		
99	74.0	34.4	94.4
61	48.9	16.6	76.6

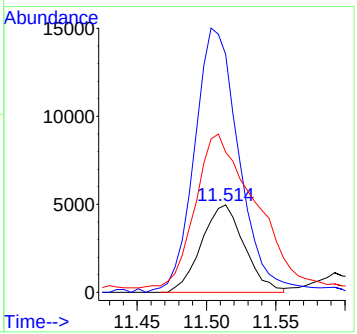


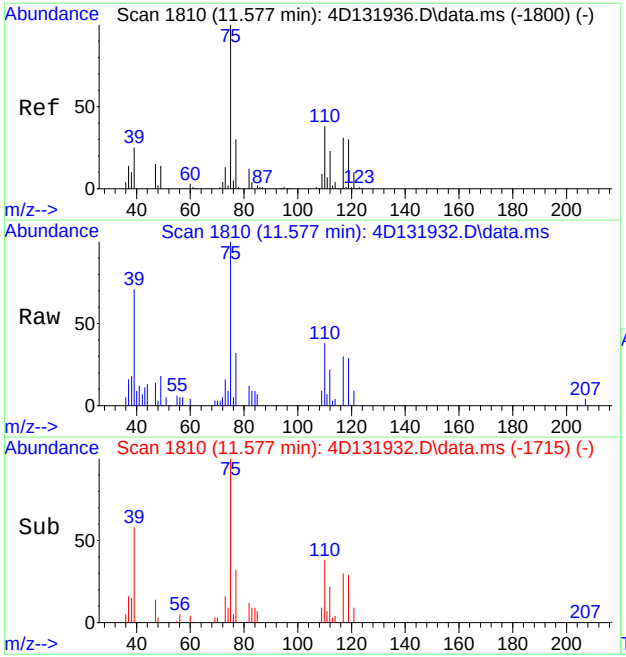


#46
cyclohexane
Concen: 1.72 ug/L
RT: 11.514 min Scan# 1798
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 84 Resp: 10705

Ion	Ratio	Lower	Upper
84	100		
56	267.0	225.3	265.3#
41	152.8	121.5	161.5

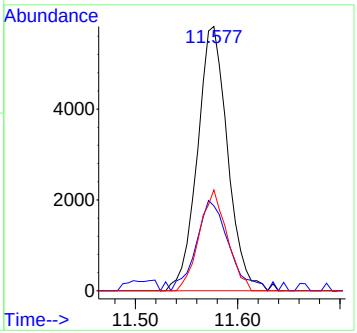


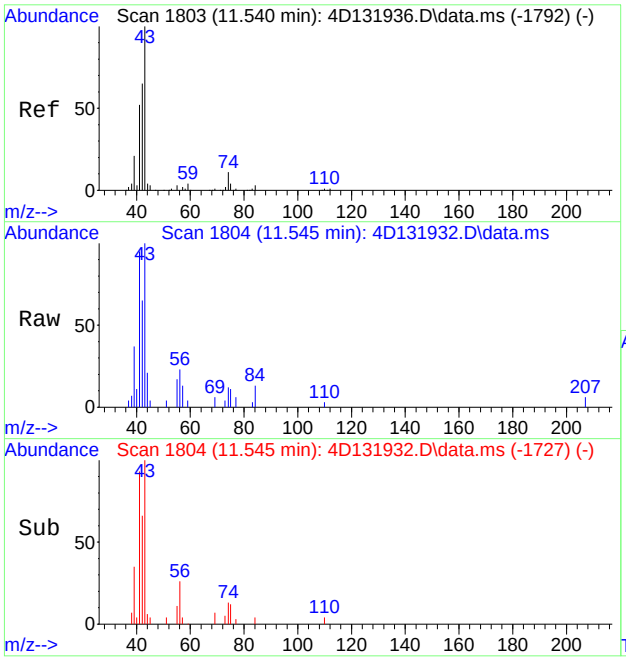


#47
1,1-dichloropropene
Concen: 2.25 ug/L
RT: 11.577 min Scan# 1810
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 75 Resp: 11971

Ion	Ratio	Lower	Upper
75	100		
77	32.1	11.0	51.0
110	38.2	17.6	57.6

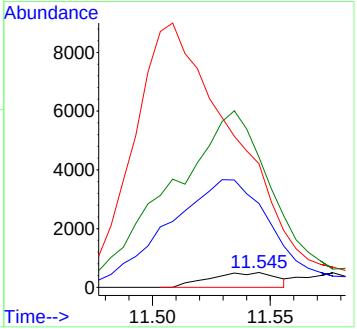


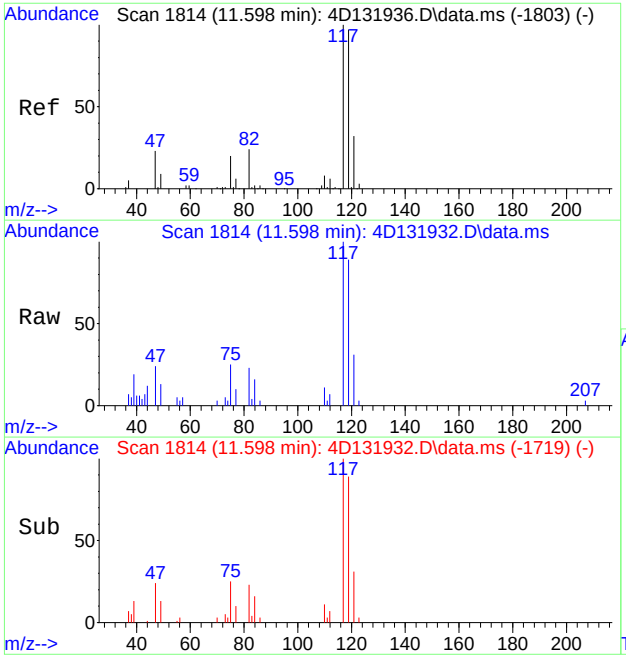


#48
isobutyl alcohol
Concen: 18.88 ug/L
RT: 11.545 min Scan# 1804
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 74 Resp: 1006

Ion	Ratio	Lower	Upper
74	100		
42	282.5	546.1	606.1#
41	444.5	593.5	653.5#
43	388.6	856.3	916.3#

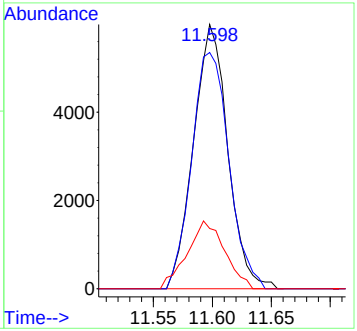


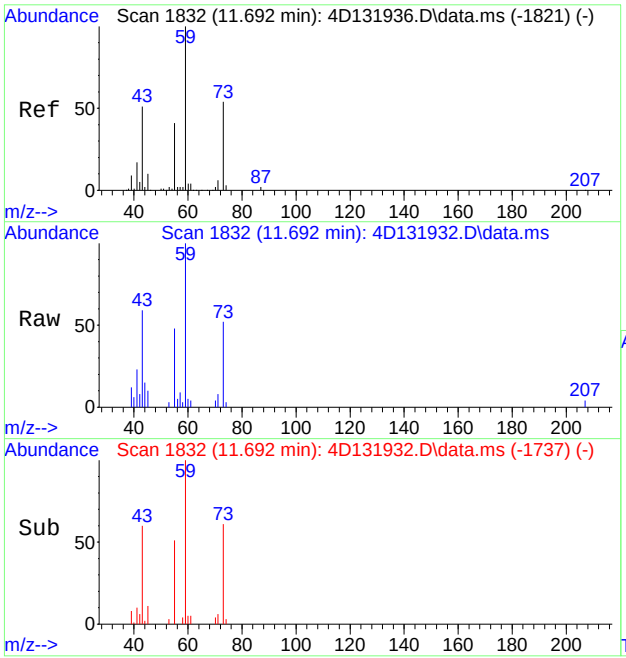


#49
carbon tetrachloride
Concen: 2.26 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:117 Resp: 12165

Ion	Ratio	Lower	Upper
117	100		
119	89.4	77.2	117.2
82	22.8	4.2	44.2

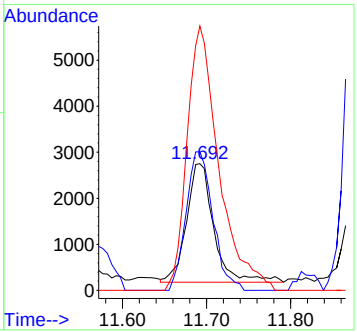


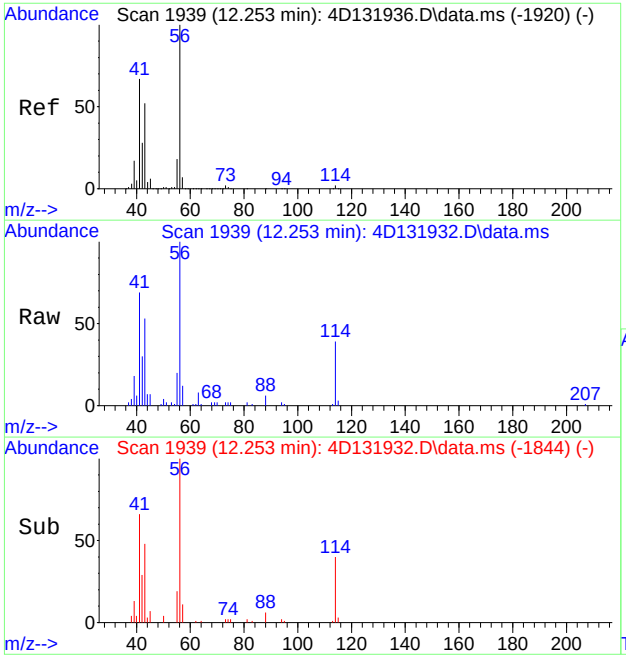


#50
tert amyl alcohol
Concen: 12.69 ug/L
RT: 11.692 min Scan# 1832
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 55 Resp: 5804

Ion	Ratio	Lower	Upper
55	100		
73	116.9	100.3	160.3
59	223.4	213.3	273.3

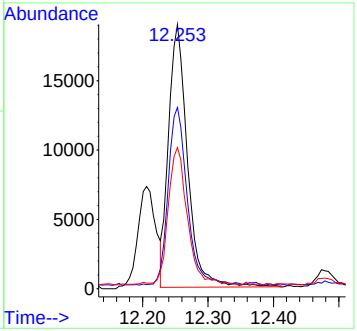


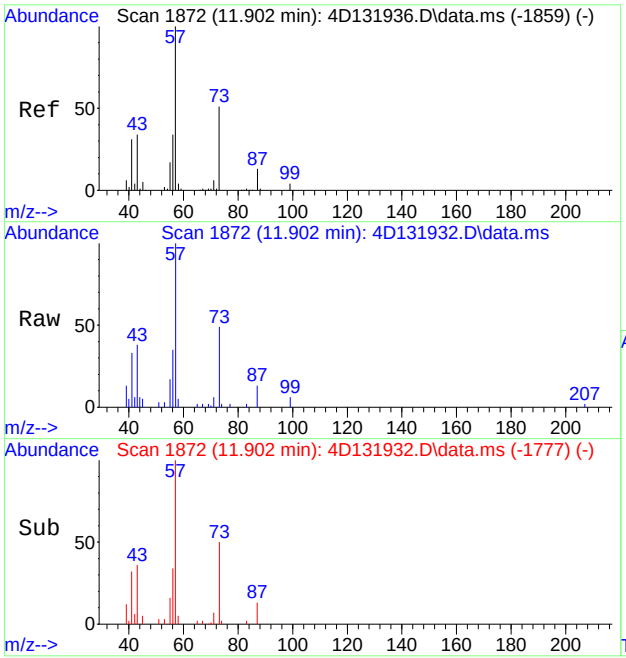


#53
n-butyl alcohol
Concen: 105.60 ug/L
RT: 12.253 min Scan# 1939
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 56 Resp: 38106

Ion	Ratio	Lower	Upper
56	100		
41	67.4	36.6	96.6
43	52.0	22.4	82.4

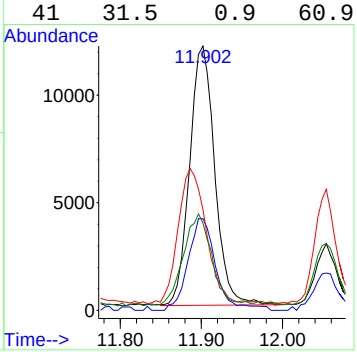


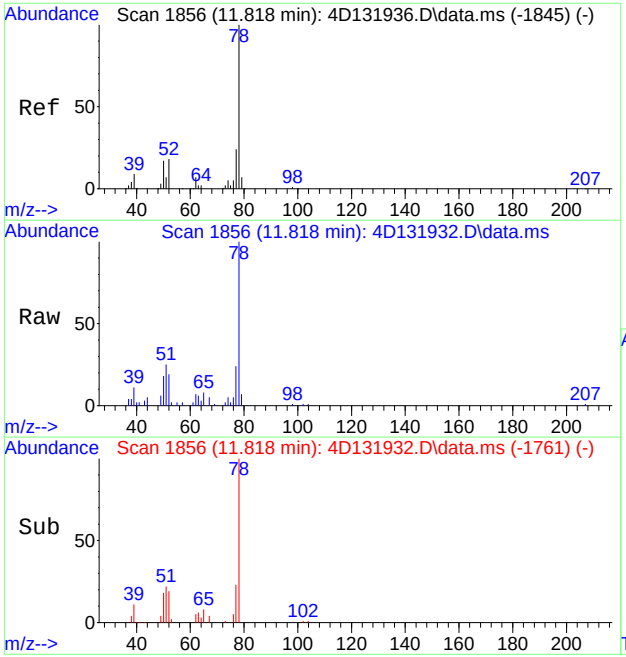


#54
2,2,4-trimethylpentane
Concen: 2.05 ug/L
RT: 11.902 min Scan# 1872
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 57 Resp: 25908

Ion	Ratio	Lower	Upper
57	100		
56	35.4	3.6	63.6
43	35.9	4.6	64.6
41	31.5	0.9	60.9

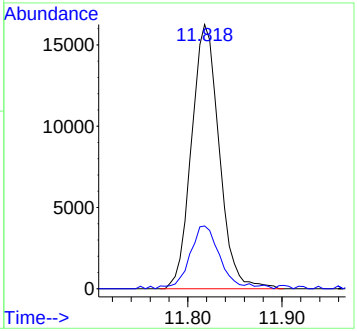


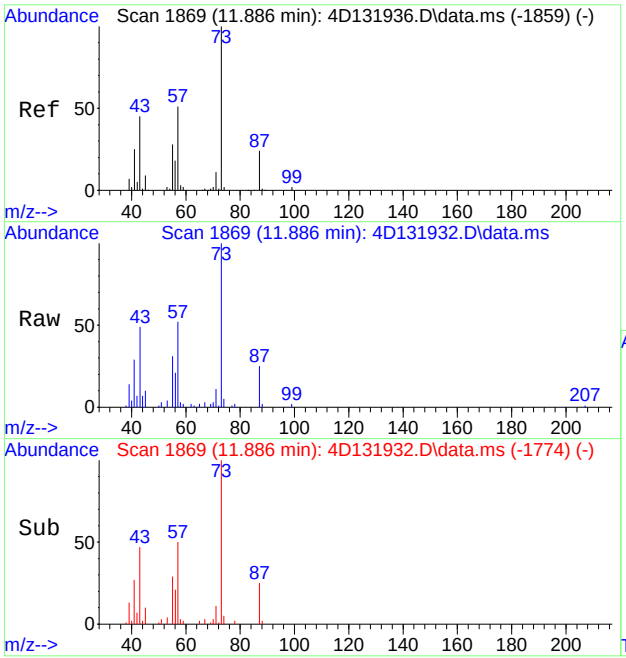


#55
benzene
Concen: 2.09 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 78 Resp: 33259

Ion	Ratio	Lower	Upper
78	100		
77	22.7	0.0	53.7

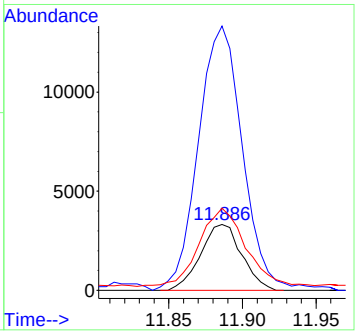


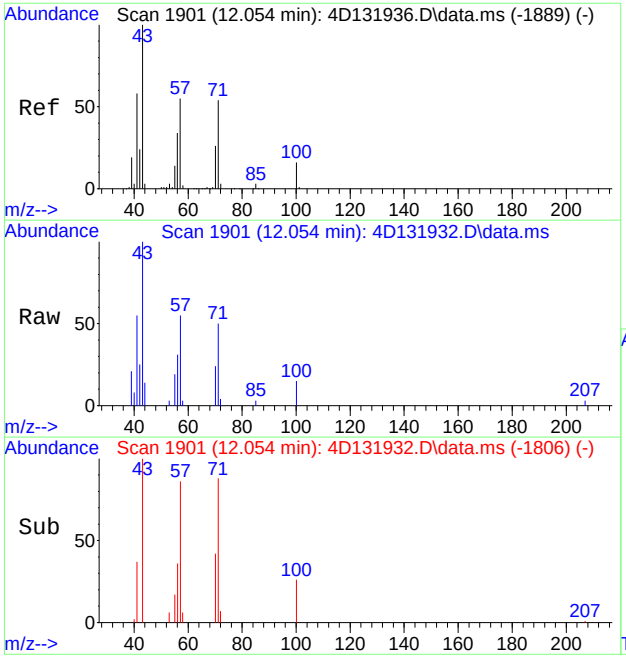


#56
tert-amyl methyl ether
Concen: 2.19 ug/L
RT: 11.886 min Scan# 1869
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 87 Resp: 6460

Ion	Ratio	Lower	Upper
87	100		
73	396.2	382.6	442.6
55	116.1	85.4	145.4

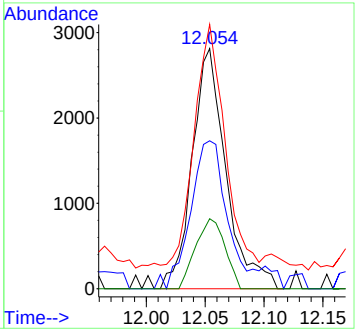


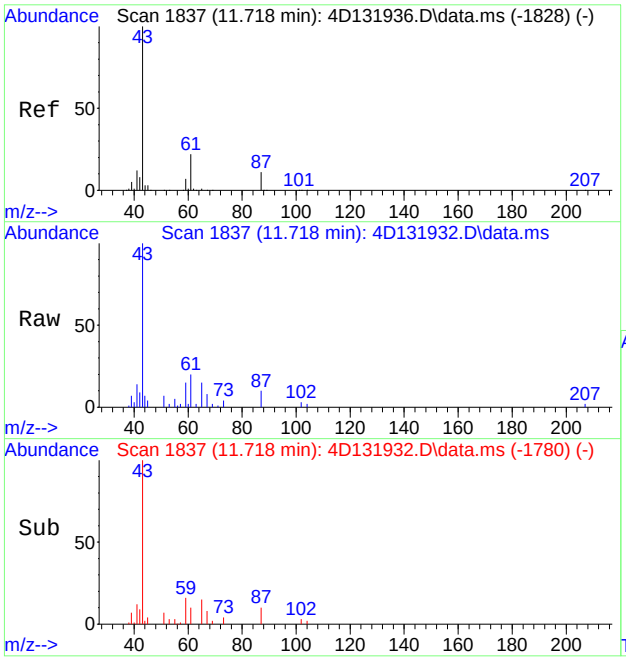


#57
heptane
Concen: 2.06 ug/L
RT: 12.054 min Scan# 1901
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 71 Resp: 5641

Ion	Ratio	Lower	Upper
71	100		
56	61.6	33.0	93.0
57	100.4	72.2	132.2
100	29.2	0.3	60.3

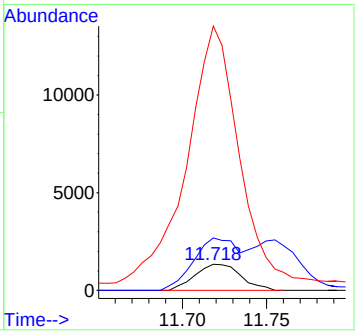


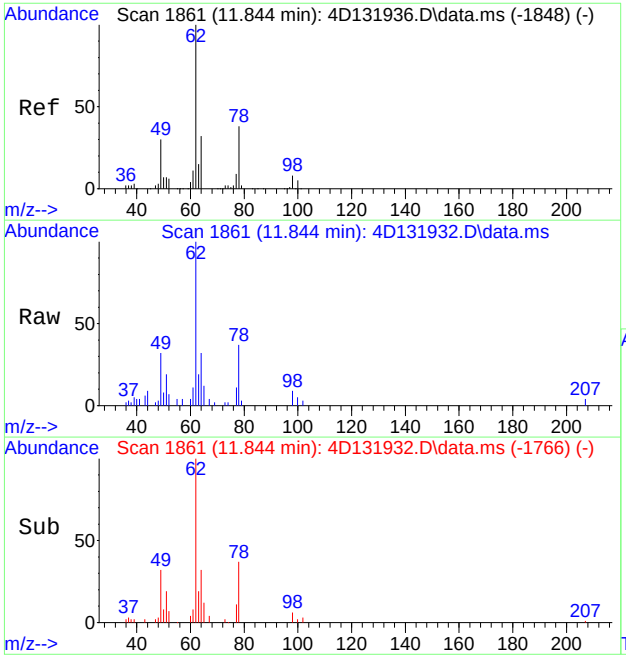


#58
isopropyl acetate
Concen: 2.22 ug/L
RT: 11.718 min Scan# 1837
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 87 Resp: 2544

Ion	Ratio	Lower	Upper
87	100		
61	202.1	170.1	230.1
43	948.4	919.0	979.0

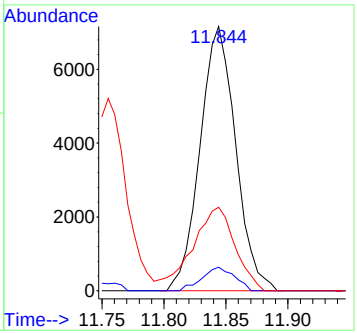


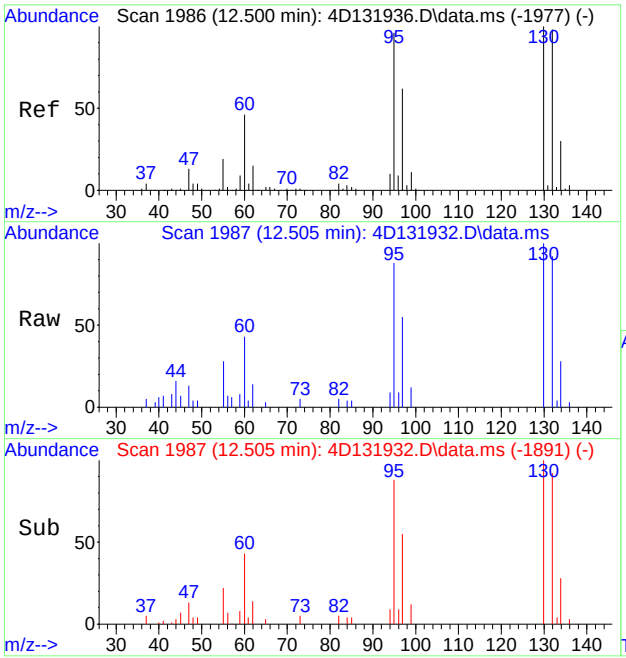


#59
1,2-dichloroethane
Concen: 2.11 ug/L
RT: 11.844 min Scan# 1861
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 62 Resp: 14333

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	38.5
49	31.6	1.1	61.1

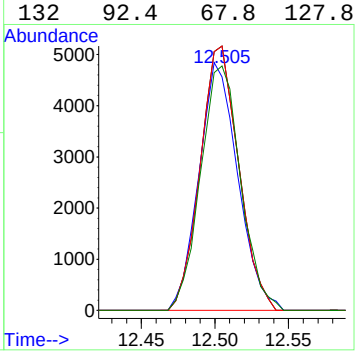


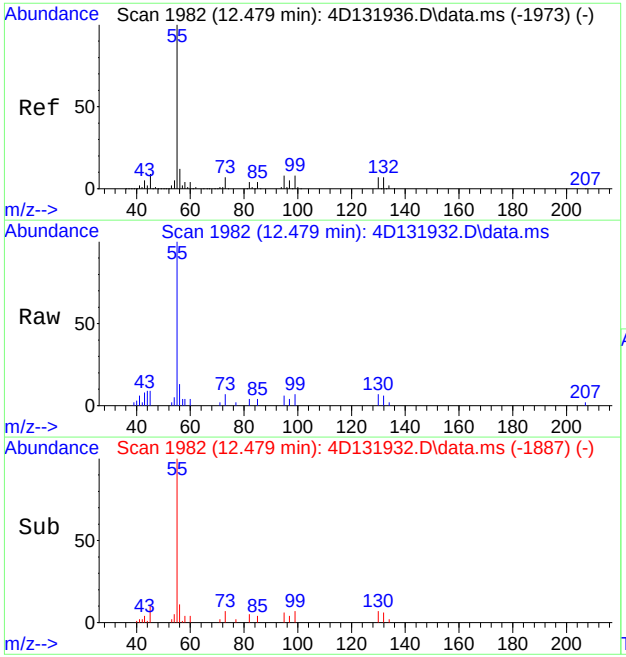


#60
trichloroethene
Concen: 2.23 ug/L
RT: 12.505 min Scan# 1987
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:130 Resp: 9380

Ion	Ratio	Lower	Upper
130	100		
95	88.3	65.8	125.8
130	100.0	70.0	130.0
132	92.4	67.8	127.8

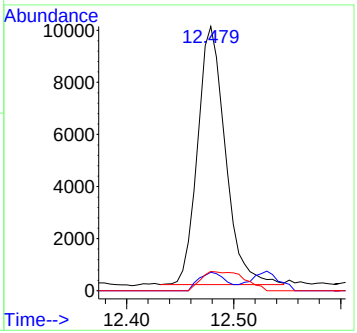


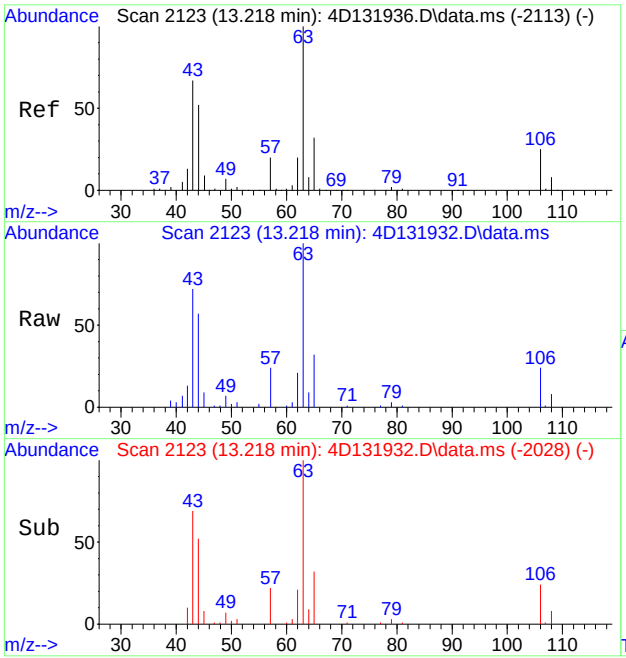


#61
ethyl acrylate
Concen: 2.17 ug/L
RT: 12.479 min Scan# 1982
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 55 Resp: 17920

Ion	Ratio	Lower	Upper
55	100		
73	7.2	0.0	26.5
99	7.5	0.0	27.5

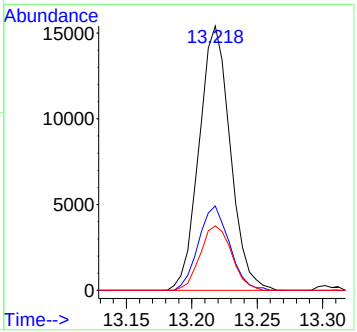


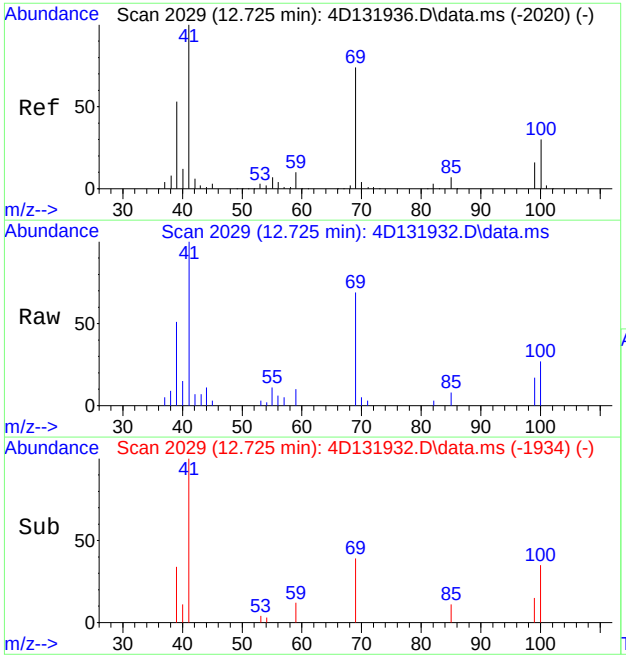


#63
2-chloroethyl vinyl ether
Concen: 10.68 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 63 Resp: 25515

Ion	Ratio	Lower	Upper
63	100		
65	31.9	1.7	61.7
106	24.4	0.0	55.3

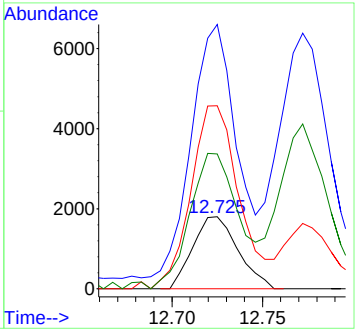


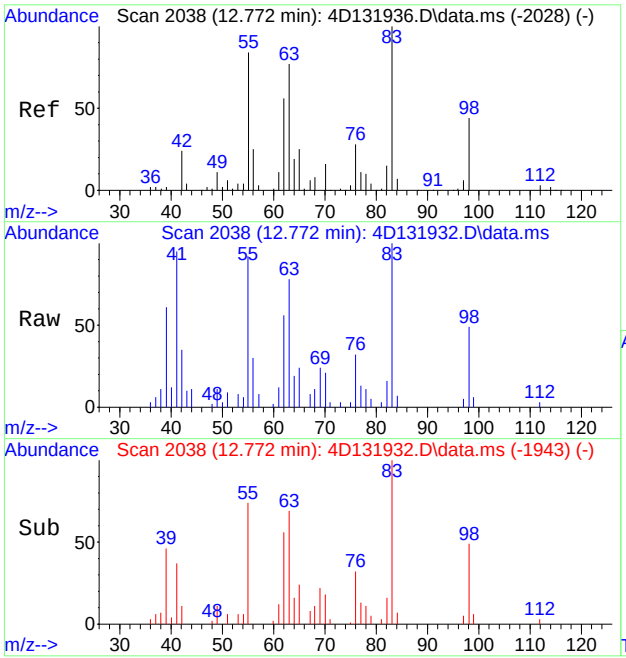


#64
methyl methacrylate
Concen: 2.07 ug/L
RT: 12.725 min Scan# 2029
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:100 Resp: 3119

Ion	Ratio	Lower	Upper
100	100		
41	341.9	304.3	364.3
69	241.9	217.8	277.8
39	174.7	148.5	208.5

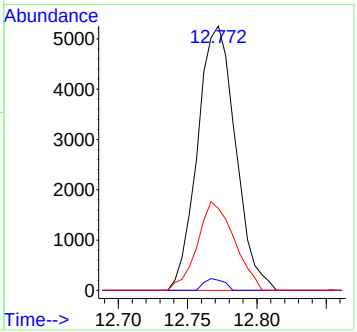


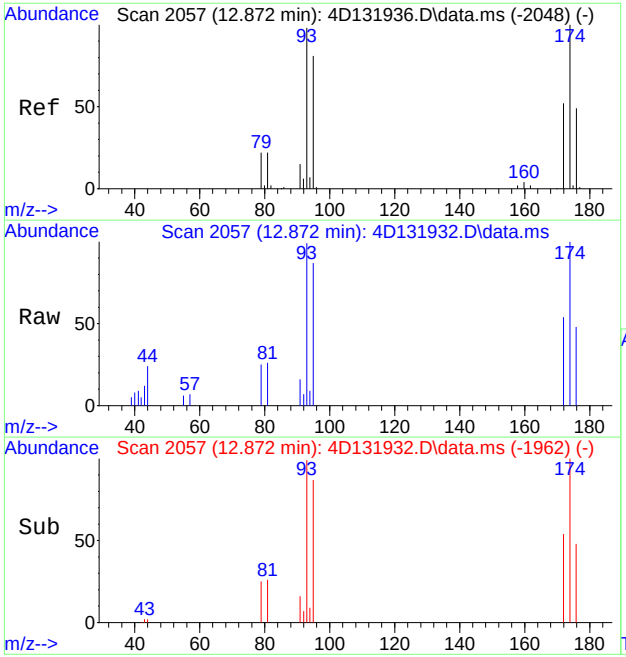


#65
1,2-dichloropropane
Concen: 2.28 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 63 Resp: 9986

Ion	Ratio	Lower	Upper
63	100		
112	3.8	0.0	33.7
65	31.0	1.9	61.9

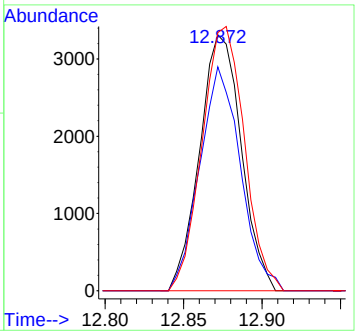


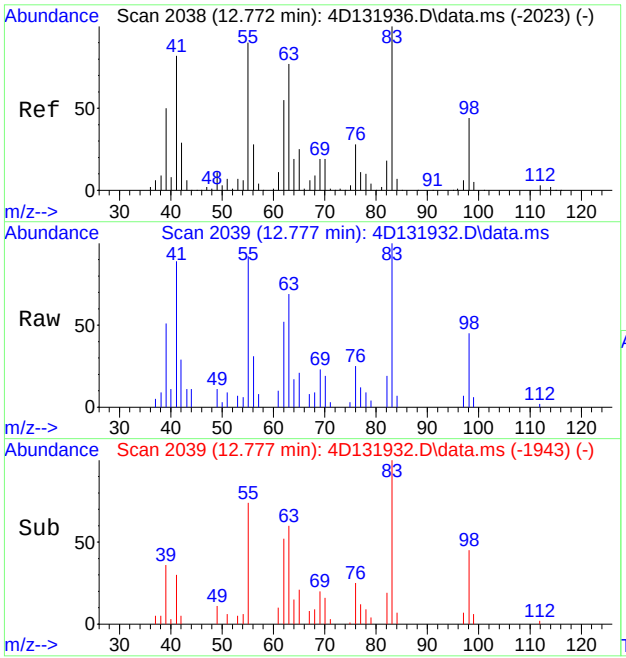


#66
dibromomethane
Concen: 2.16 ug/L
RT: 12.872 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 93 Resp: 6133

Ion	Ratio	Lower	Upper
93	100		
95	87.5	52.6	112.6
174	100.8	72.4	132.4

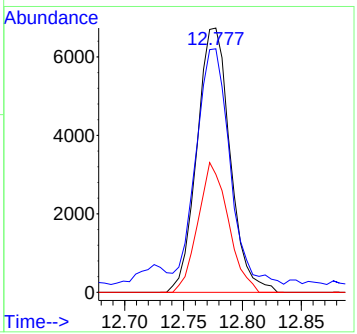


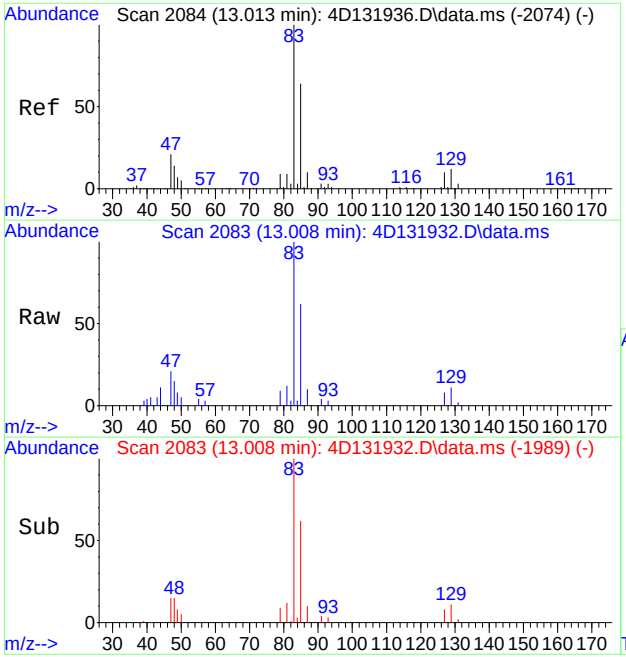


#67
methylcyclohexane
Concen: 2.13 ug/L
RT: 12.777 min Scan# 2039
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 83 Resp: 13215

Ion	Ratio	Lower	Upper
83	100		
55	89.0	60.5	120.5
98	44.6	14.1	74.1

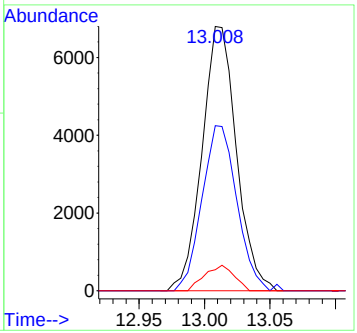


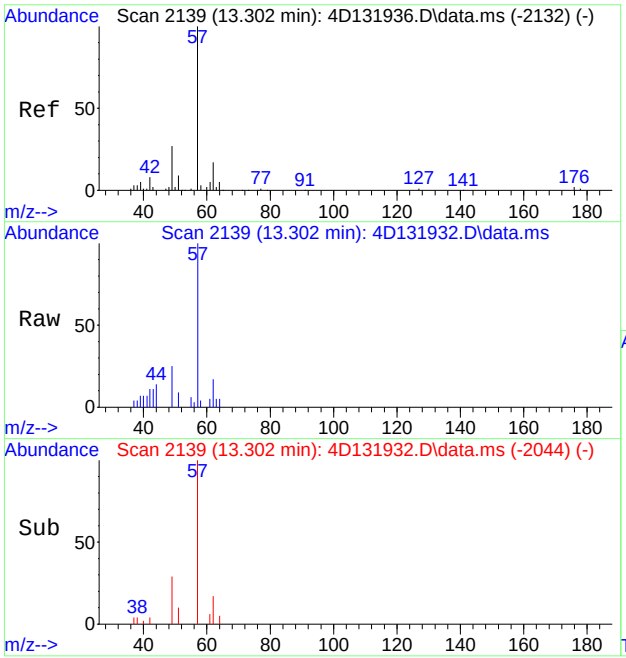


#68
bromodichloromethane
Concen: 2.10 ug/L
RT: 13.008 min Scan# 2083
Delta R.T. -0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 83 Resp: 12443

Ion	Ratio	Lower	Upper
83	100		
85	62.5	34.4	94.4
127	7.9	0.0	39.7

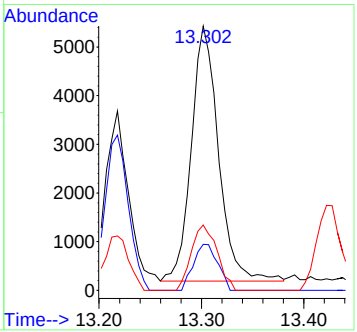


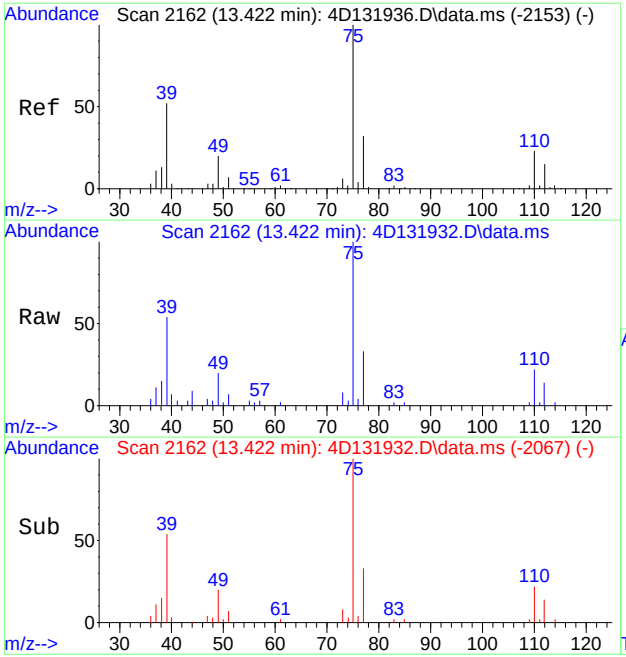


#69
epichlorohydrin
Concen: 11.13 ug/L
RT: 13.302 min Scan# 2139
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 57 Resp: 9706

Ion	Ratio	Lower	Upper
57	100		
62	18.0	0.0	37.4
49	25.6	6.8	46.8

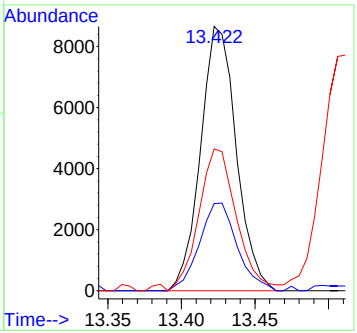


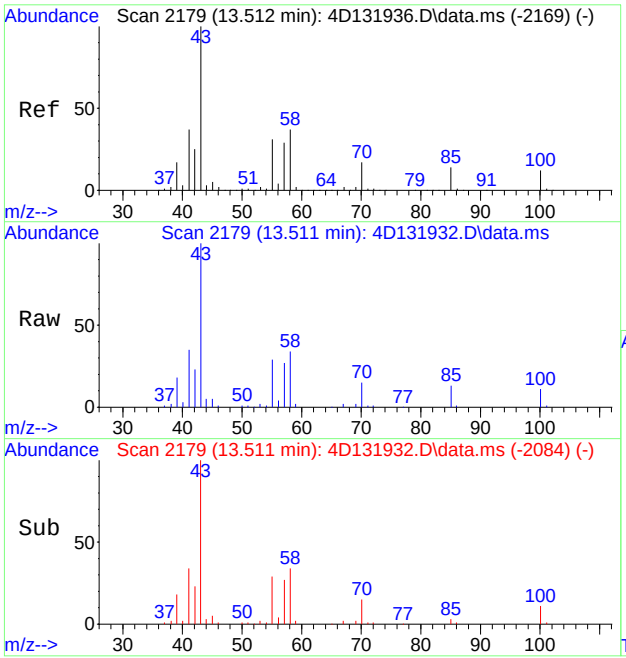


#70
cis-1,3-dichloropropene
Concen: 2.13 ug/L
RT: 13.422 min Scan# 2162
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 75 Resp: 14612

Ion	Ratio	Lower	Upper
75	100		
77	33.0	1.9	61.9
39	51.4	22.1	82.1

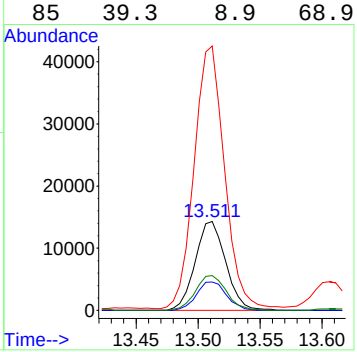


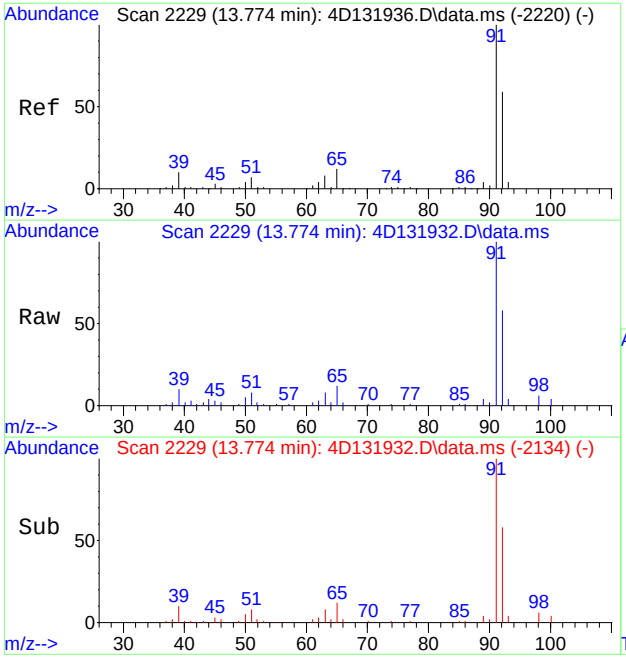


#71
4-methyl-2-pentanone
Concen: 9.04 ug/L
RT: 13.511 min Scan# 2179
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 58 Resp: 24531

Ion	Ratio	Lower	Upper
58	100		
100	32.0	2.6	62.6
43	295.9	244.0	304.0
85	39.3	8.9	68.9

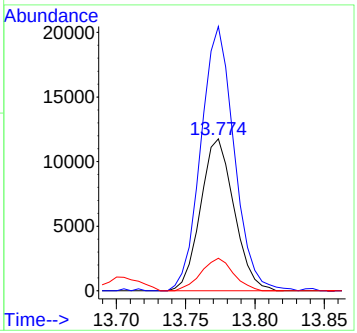


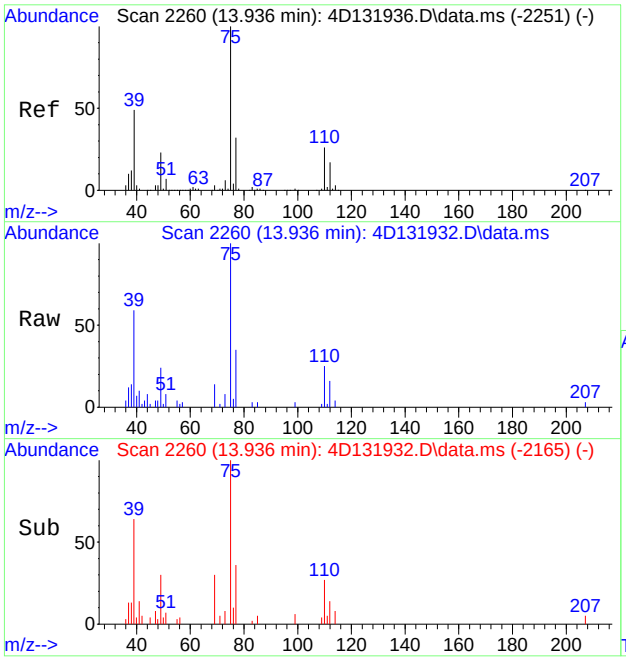


#75
toluene
Concen: 2.09 ug/L
RT: 13.774 min Scan# 2229
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 92 Resp: 19732

Ion	Ratio	Lower	Upper
92	100		
91	173.9	150.1	190.1
65	21.3	0.0	39.8

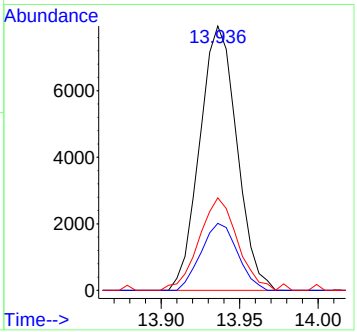


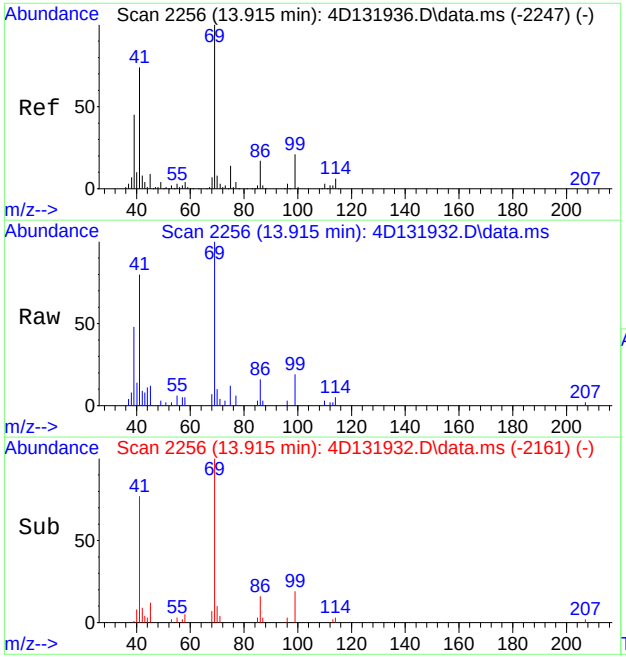


#76
trans-1,3-dichloropropene
Concen: 2.11 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 75 Resp: 13109

Ion	Ratio	Lower	Upper
75	100		
110	25.4	5.6	45.6
77	35.0	12.5	52.5

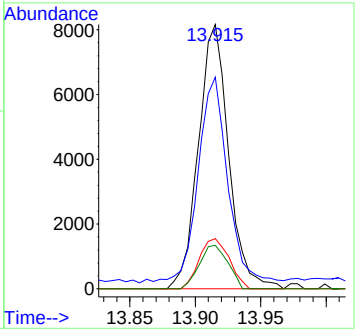


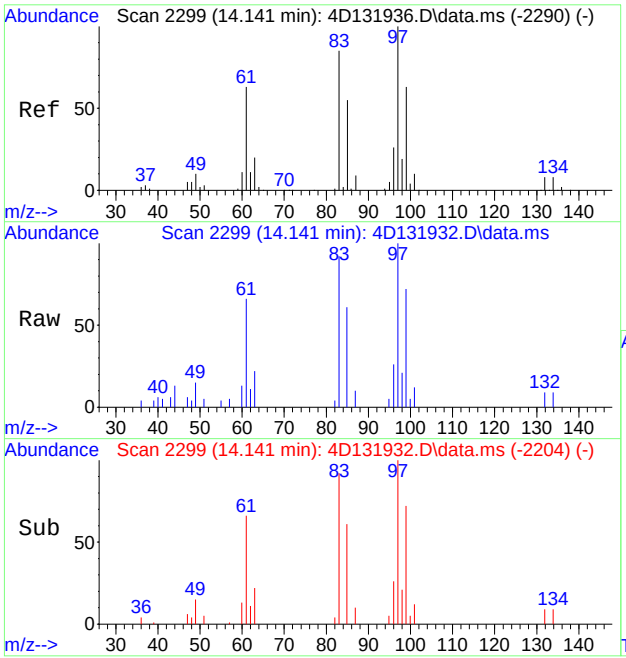


#77
ethyl methacrylate
Concen: 2.09 ug/L
RT: 13.915 min Scan# 2256
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 69 Resp: 13188

Ion	Ratio	Lower	Upper
69	100		
41	76.9	53.7	93.7
99	19.0	0.5	40.5
86	16.4	0.0	36.5

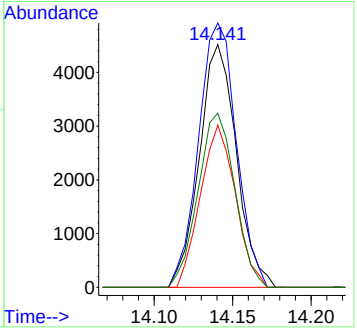


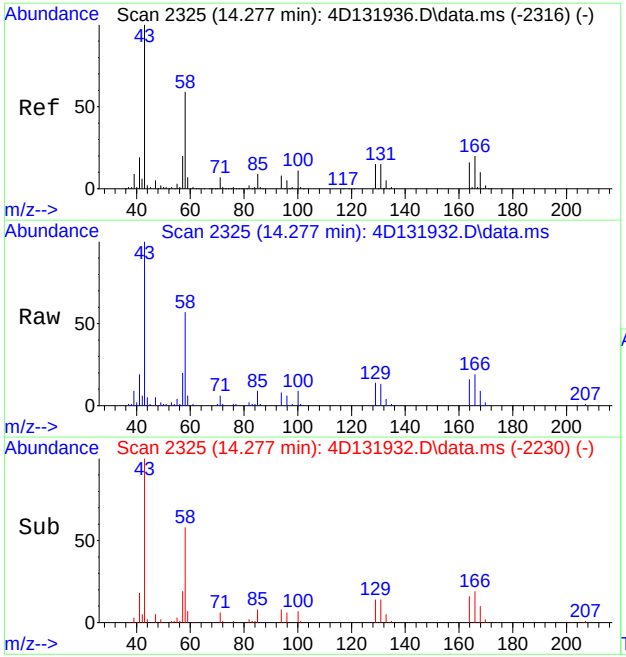


#78
1,1,2-trichloroethane
Concen: 2.24 ug/L
RT: 14.141 min Scan# 2299
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 83 Resp: 7452

Ion	Ratio	Lower	Upper
83	100		
97	108.9	98.0	138.0
85	66.7	44.8	84.8
61	71.7	54.1	94.1

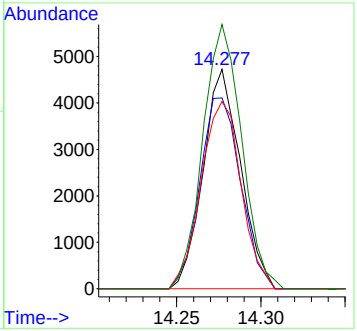


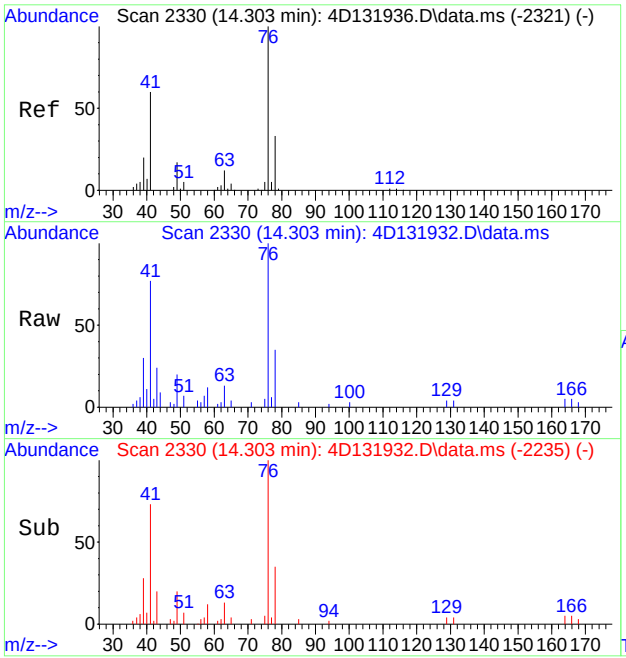


#79
tetrachloroethene
Concen: 2.30 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:164 Resp: 7329

Ion	Ratio	Lower	Upper
164	100		
129	87.0	63.3	123.3
131	85.3	59.8	119.8
166	120.5	95.2	155.2

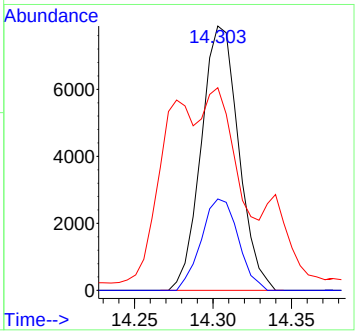


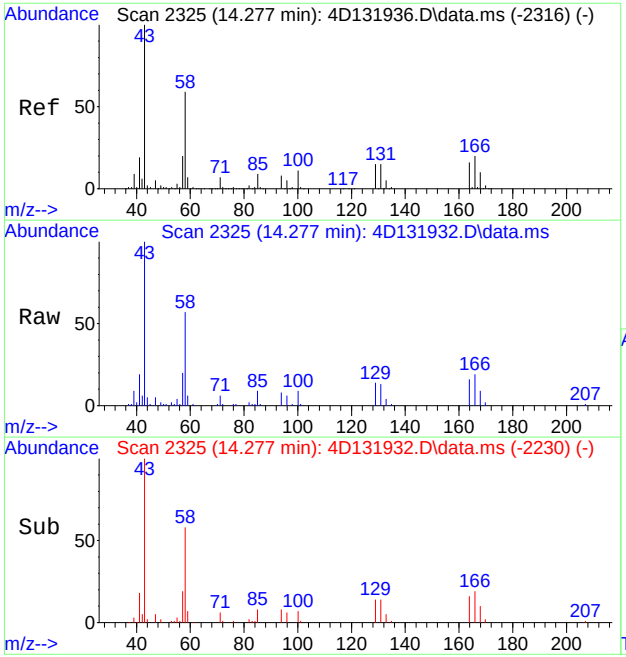


#80
1,3-dichloropropane
Concen: 2.23 ug/L
RT: 14.303 min Scan# 2330
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 76 Resp: 13071

Ion	Ratio	Lower	Upper
76	100		
78	34.6	2.5	62.5
41	51.0	40.0	100.0

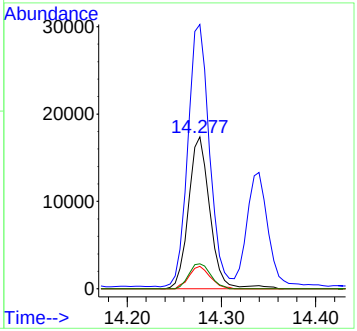


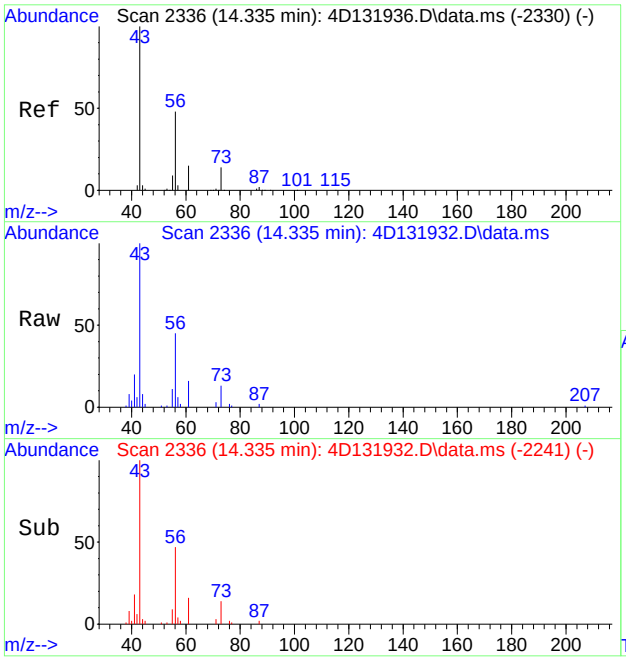


#81
2-hexanone
Concen: 9.59 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 58 Resp: 27456

Ion	Ratio	Lower	Upper
58	100		
43	172.8	149.1	189.1
85	14.9	0.0	34.7
100	16.5	0.0	38.3

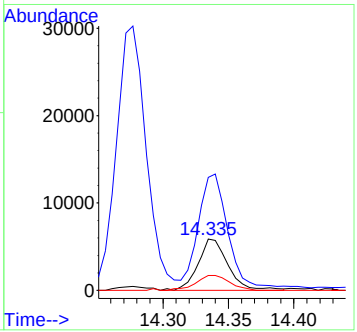


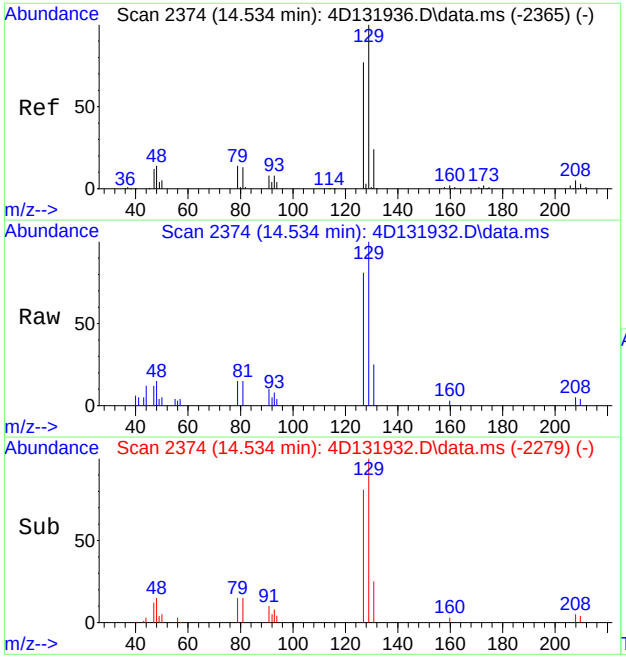


#82
butyl acetate
Concen: 2.13 ug/L
RT: 14.335 min Scan# 2336
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 56 Resp: 9384

Ion	Ratio	Lower	Upper
56	100		
43	211.7	196.2	256.2
73	29.1	0.0	59.9

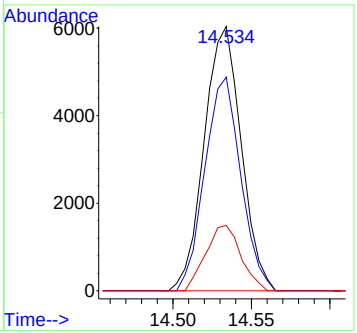


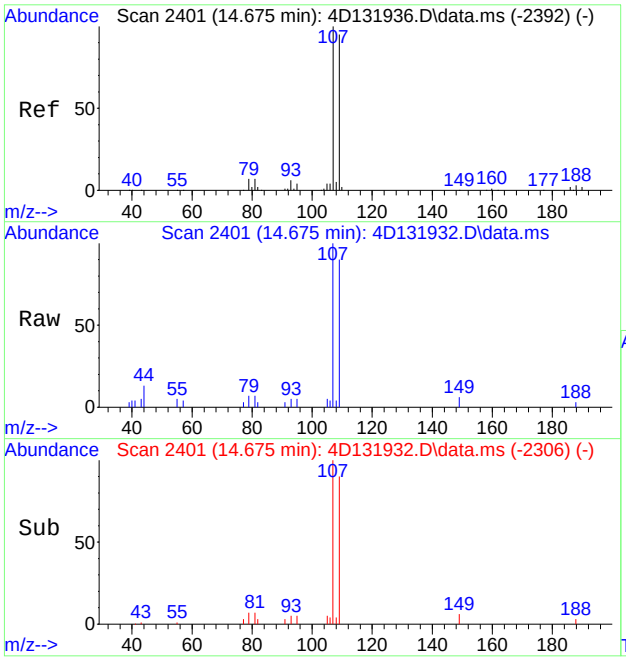


#83
dibromochloromethane
Concen: 2.16 ug/L
RT: 14.534 min Scan# 2374
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:129 Resp: 9923

Ion	Ratio	Lower	Upper
129	100		
127	80.7	47.2	107.2
131	24.7	0.0	54.4

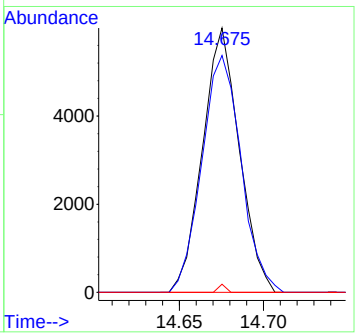


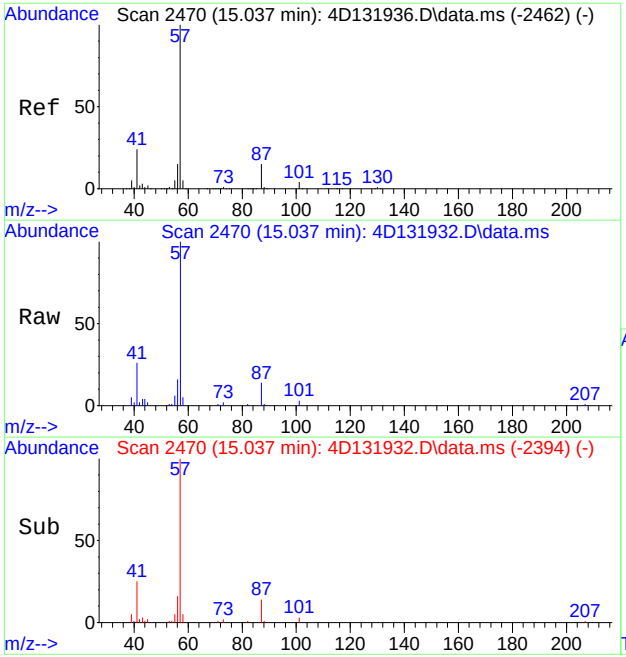


#84
1,2-dibromoethane
Concen: 2.16 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:107 Resp: 9131

Ion	Ratio	Lower	Upper
107	100		
109	89.6	65.1	125.1
188	3.1	0.0	33.2

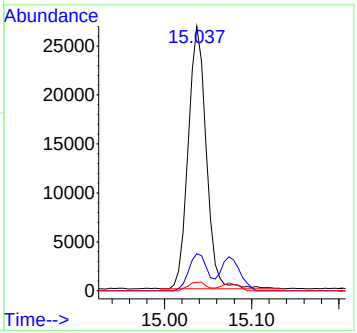


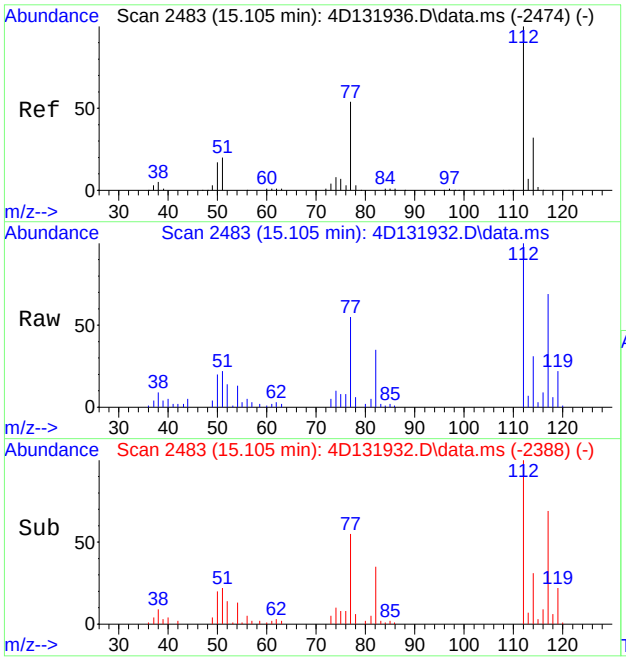


#85
n-butyl ether
Concen: 2.27 ug/L
RT: 15.037 min Scan# 2470
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 57 Resp: 38590

Ion	Ratio	Lower	Upper
57	100		
87	14.1	0.0	44.7
101	3.3	0.0	33.8

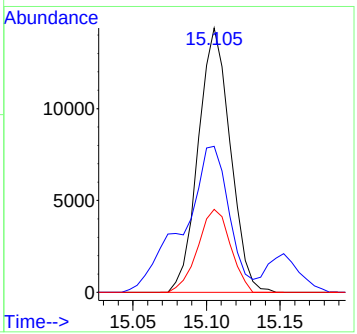


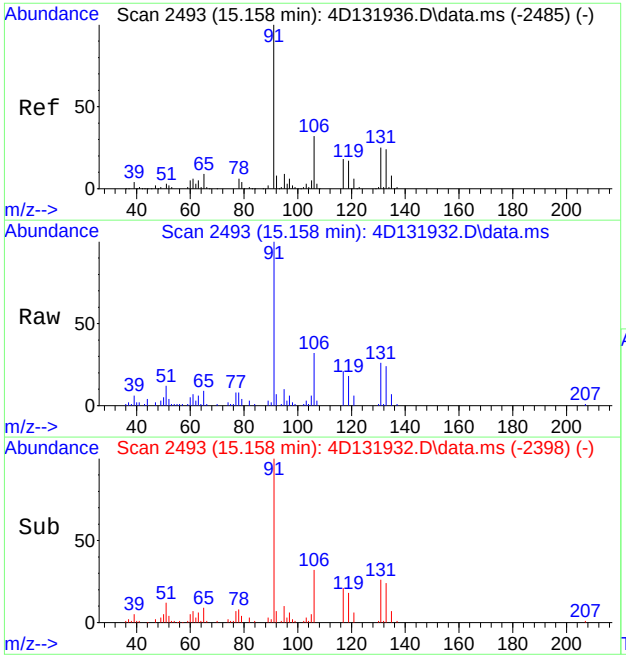


#86
chlorobenzene
Concen: 2.09 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:112 Resp: 21719

Ion	Ratio	Lower	Upper
112	100		
77	40.6	23.8	83.8
114	31.4	2.2	62.2

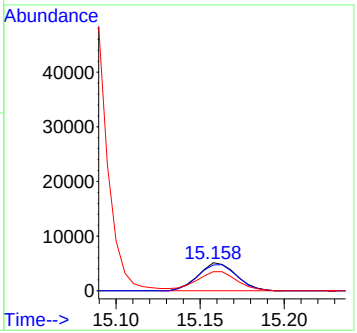


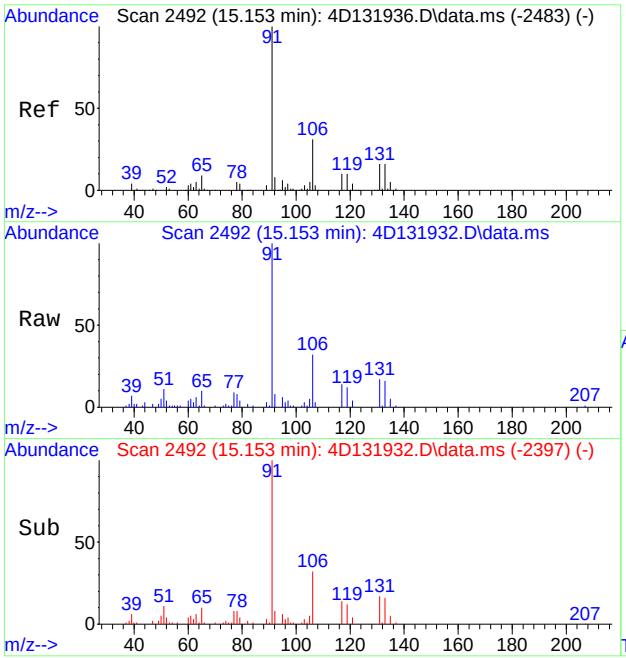


#87
1,1,1,2-tetrachloroethane
Concen: 2.21 ug/L
RT: 15.158 min Scan# 2493
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:131 Resp: 8095

Ion	Ratio	Lower	Upper
131	100		
133	92.3	66.4	126.4
119	67.6	37.8	97.8

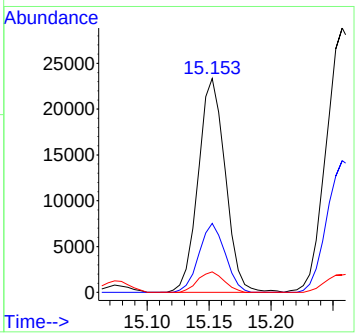


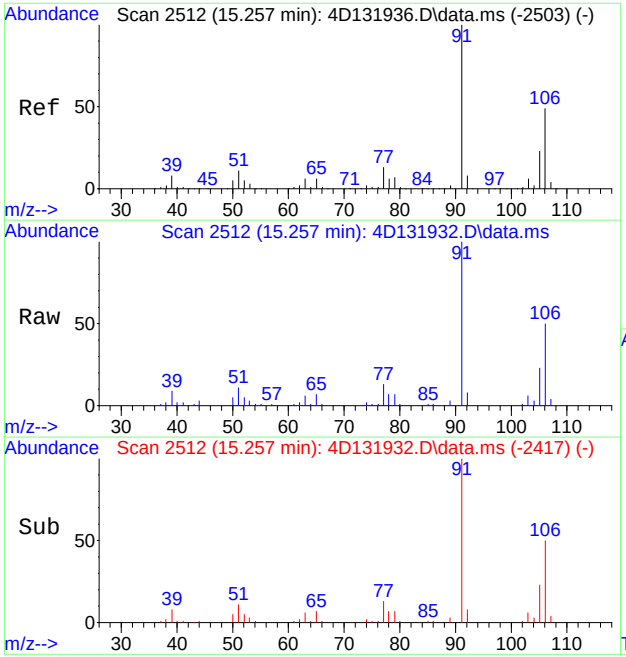


#88
ethylbenzene
Concen: 2.07 ug/L
RT: 15.153 min Scan# 2492
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 91 Resp: 35529

Ion	Ratio	Lower	Upper
91	100		
106	32.3	1.3	61.3
65	9.6	0.0	39.1

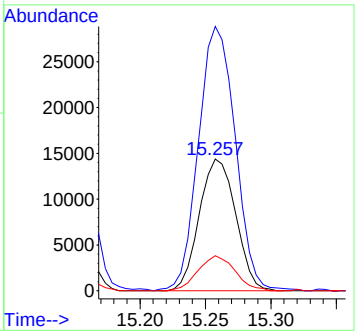


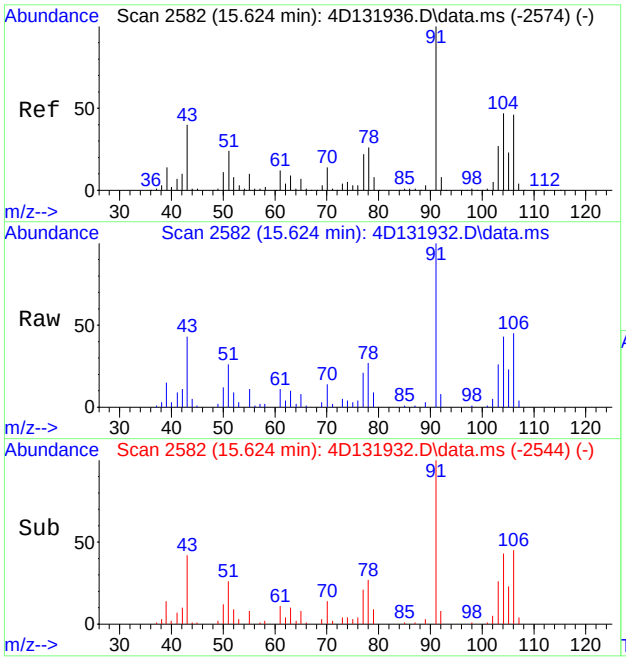


#89
m,p-xylene
Concen: 4.24 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:106 Resp: 27905

Ion	Ratio	Lower	Upper
106	100		
91	199.5	173.6	233.6
77	26.6	5.6	45.6

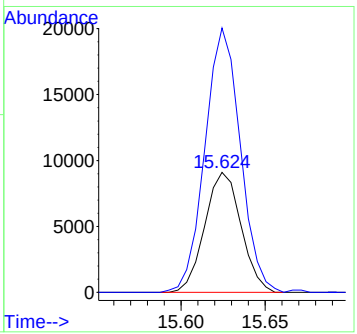


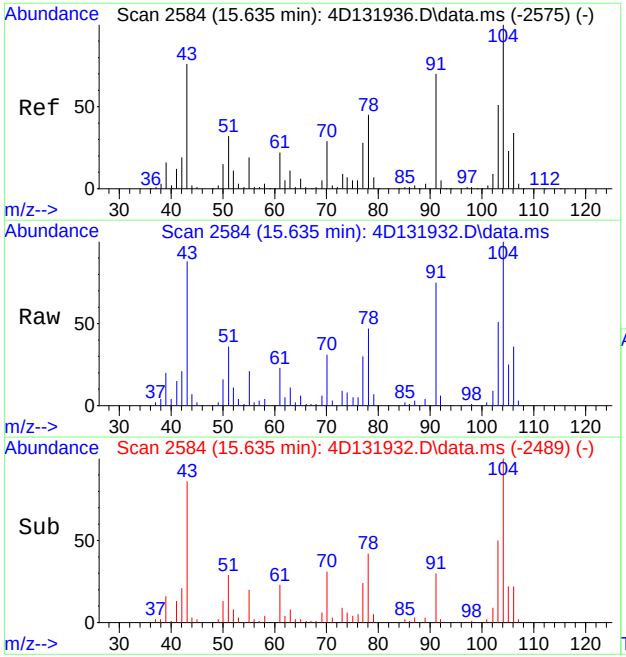


#90
o-xylene
Concen: 2.15 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:106 Resp: 13675

Ion	Ratio	Lower	Upper
106	100		
91	220.2	188.2	248.2

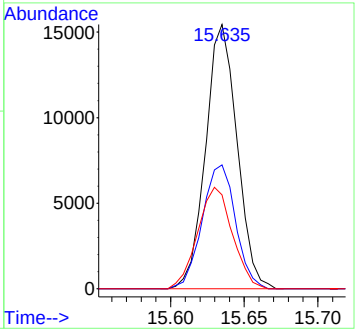


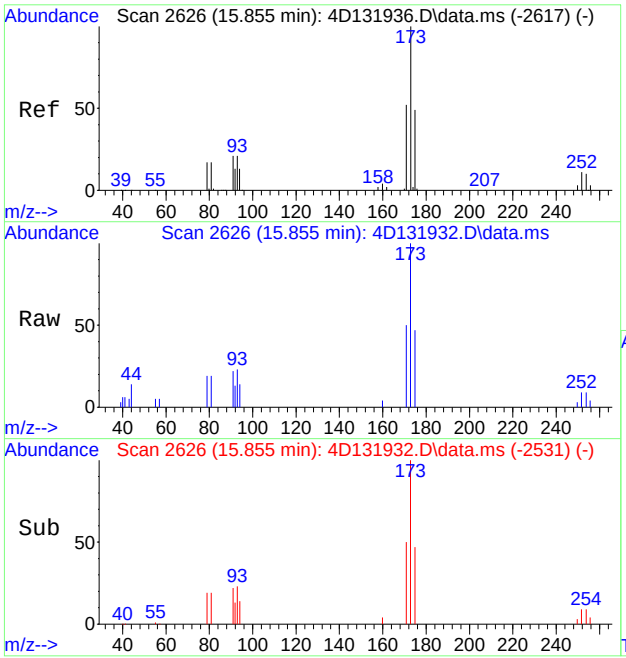


#91
styrene
Concen: 2.14 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:104 Resp: 22961

Ion	Ratio	Lower	Upper
104	100		
78	46.9	14.9	74.9
51	35.5	2.1	62.1

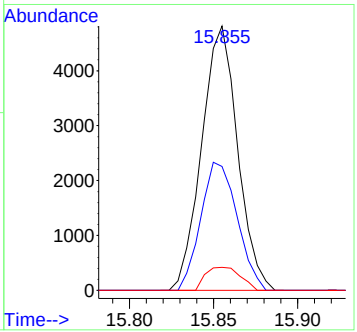


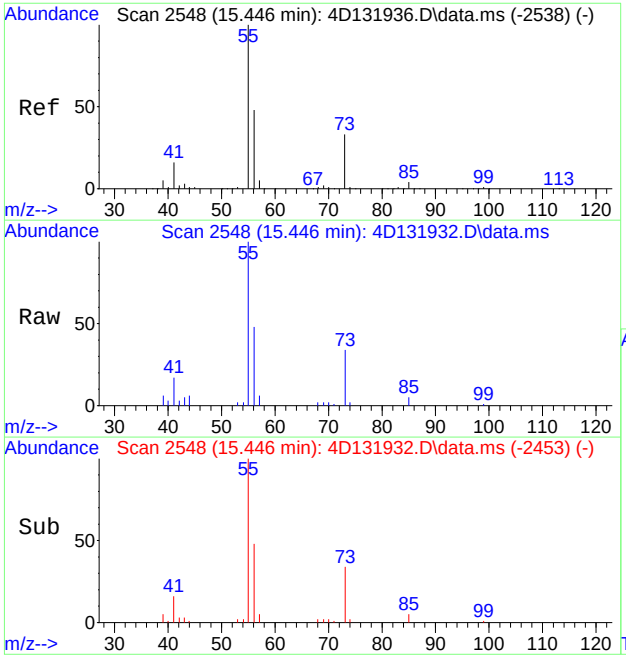


#92
bromoform
Concen: 2.22 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:173 Resp: 7168

Ion	Ratio	Lower	Upper
173	100		
175	46.9	18.7	78.7
254	8.7	0.0	40.1

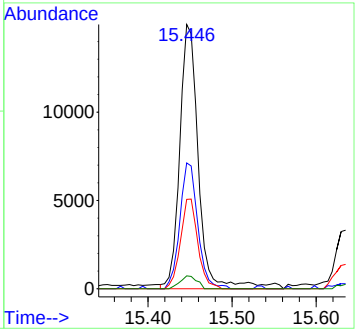


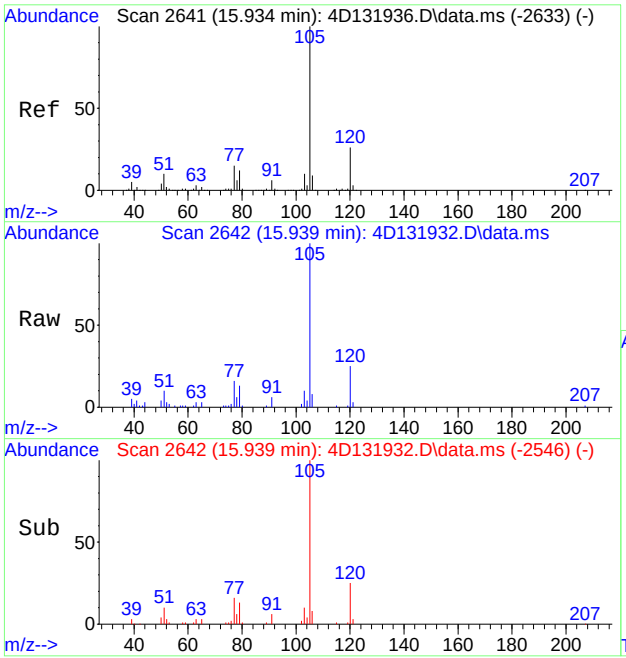


#93
butyl acrylate
Concen: 2.36 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 55 Resp: 23209

Ion	Ratio	Lower	Upper
55	100		
56	47.6	33.5	62.1
73	33.8	23.2	43.2
85	4.9	3.1	5.8

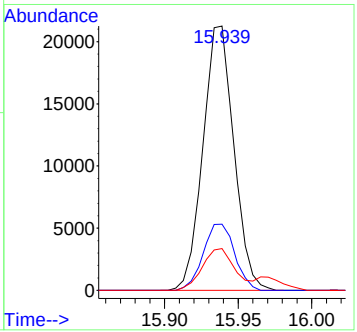


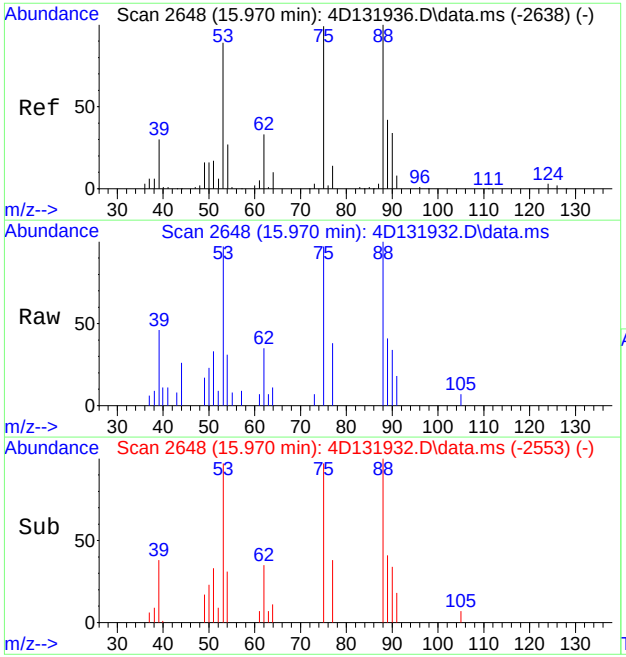


#94
isopropylbenzene
Concen: 2.09 ug/L
RT: 15.939 min Scan# 2642
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:105 Resp: 30999

Ion	Ratio	Lower	Upper
105	100		
120	25.0	5.9	45.9
77	15.8	0.0	34.7

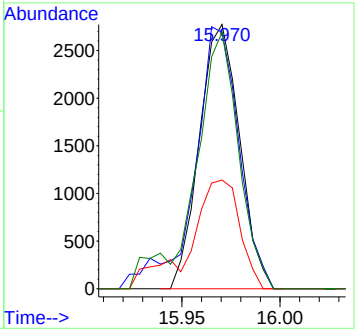


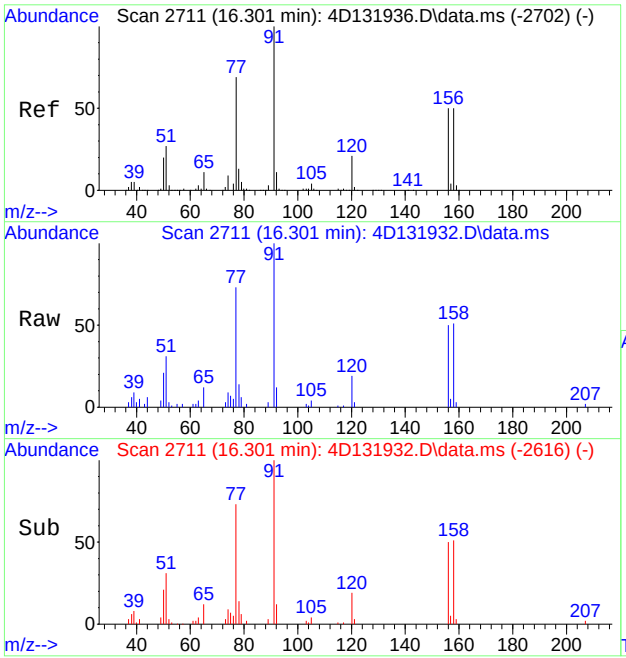


#95
cis-1,4-dichloro-2-butene
Concen: 2.04 ug/L
RT: 15.970 min Scan# 2648
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 88 Resp: 3952

Ion	Ratio	Lower	Upper
88	100		
75	96.9	80.4	120.4
89	41.2	23.8	63.8
53	96.9	70.8	110.8

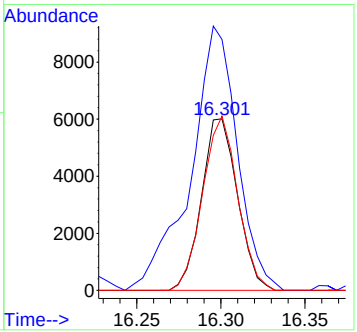


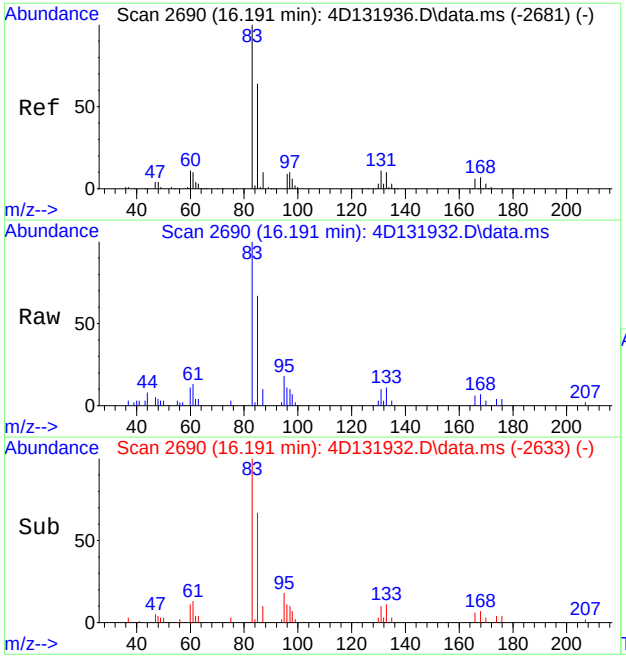


#98
bromobenzene
Concen: 2.17 ug/L
RT: 16.301 min Scan# 2711
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:156 Resp: 8958

Ion	Ratio	Lower	Upper
156	100		
77	146.4	114.1	174.1
158	101.7	69.3	129.3

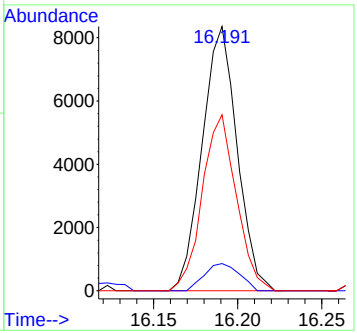


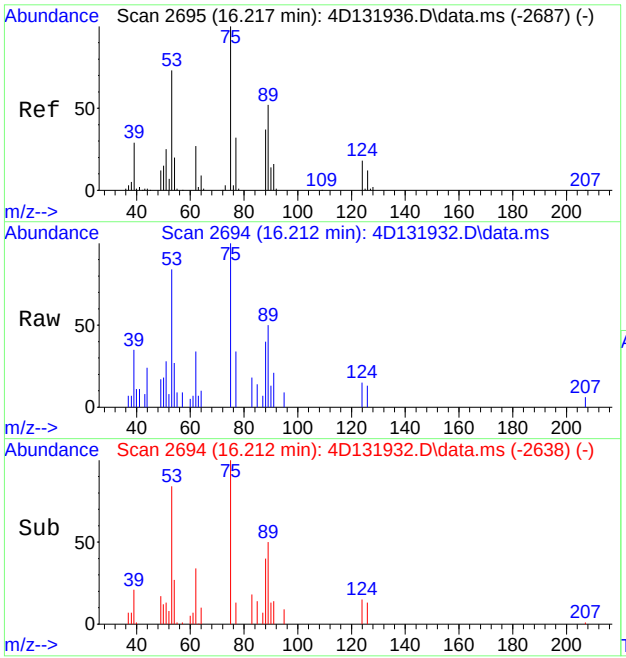


#99
1,1,2,2-tetrachloroethane
Concen: 2.18 ug/L
RT: 16.191 min Scan# 2690
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 83 Resp: 12094

Ion	Ratio	Lower	Upper
83	100		
131	10.2	0.0	40.7
85	66.6	33.7	93.7

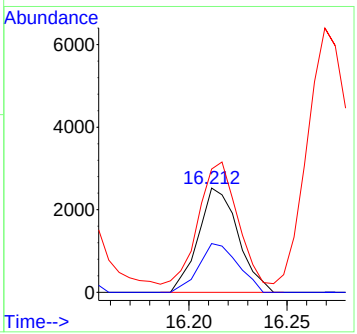


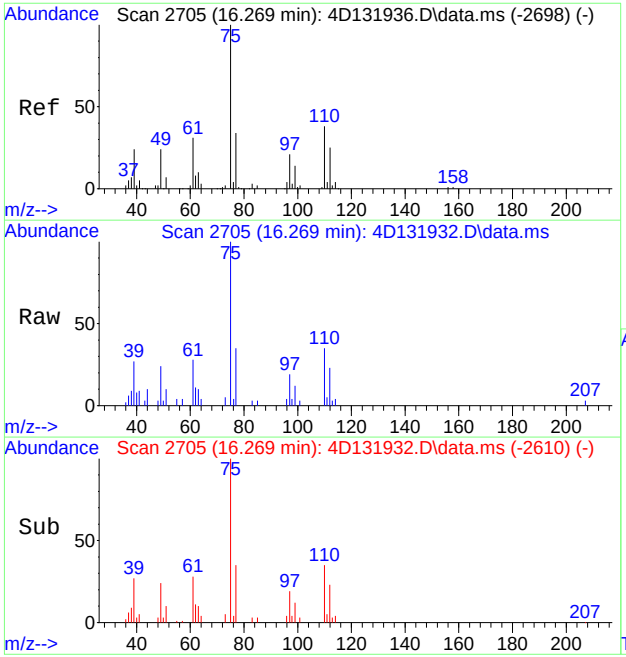


#100
trans-1,4-dichloro-2-butene
Concen: 2.22 ug/L
RT: 16.212 min Scan# 2694
Delta R.T. -0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 53 Resp: 3569

Ion	Ratio	Lower	Upper
53	100		
88	46.8	20.8	80.8
75	110.6	106.5	166.5

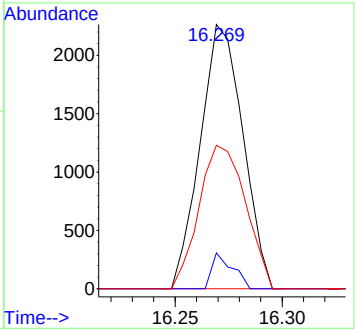


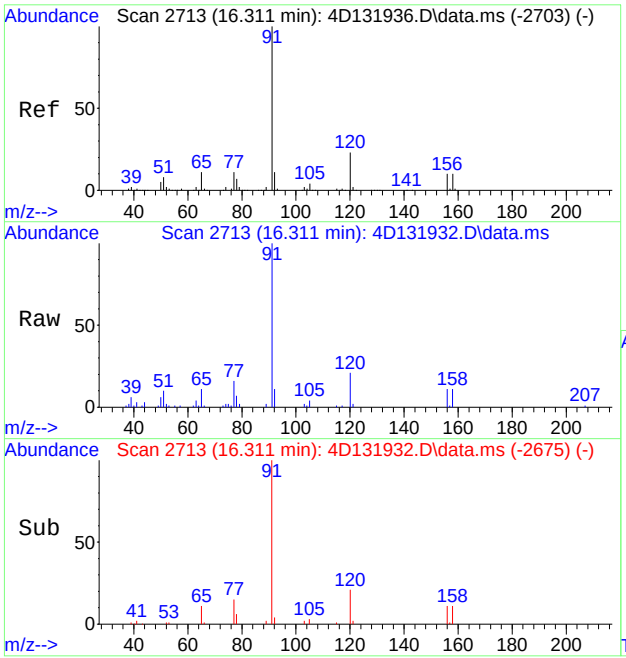


#101
1,2,3-trichloropropane
Concen: 2.22 ug/L
RT: 16.269 min Scan# 2705
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:110 Resp: 3147

Ion	Ratio	Lower	Upper
110	100		
111	13.6	0.0	40.4
97	54.3	25.6	85.6

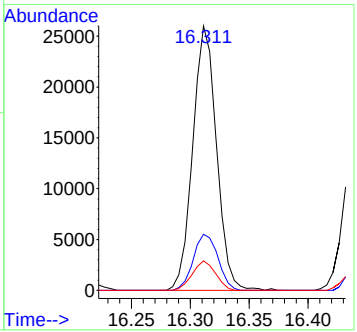


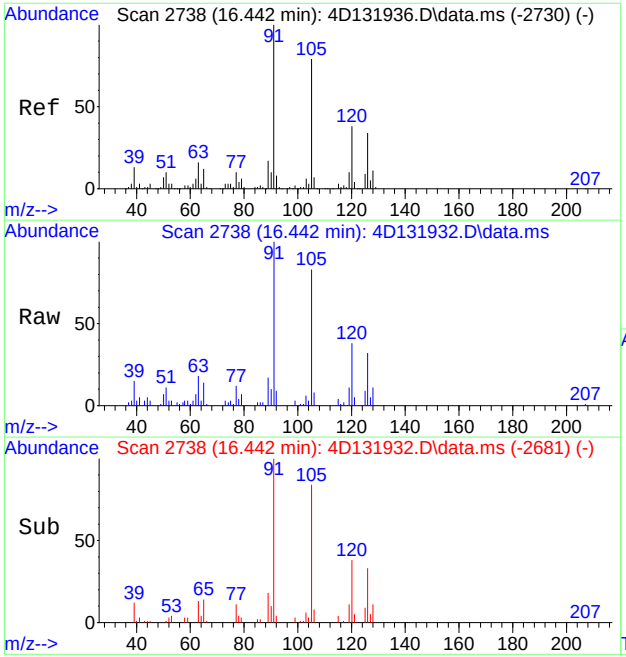


#102
n-propylbenzene
Concen: 2.05 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 91 Resp: 36577

Ion	Ratio	Lower	Upper
91	100		
120	21.2	0.0	53.1
65	11.2	0.0	40.8

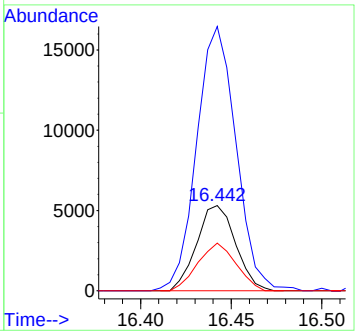


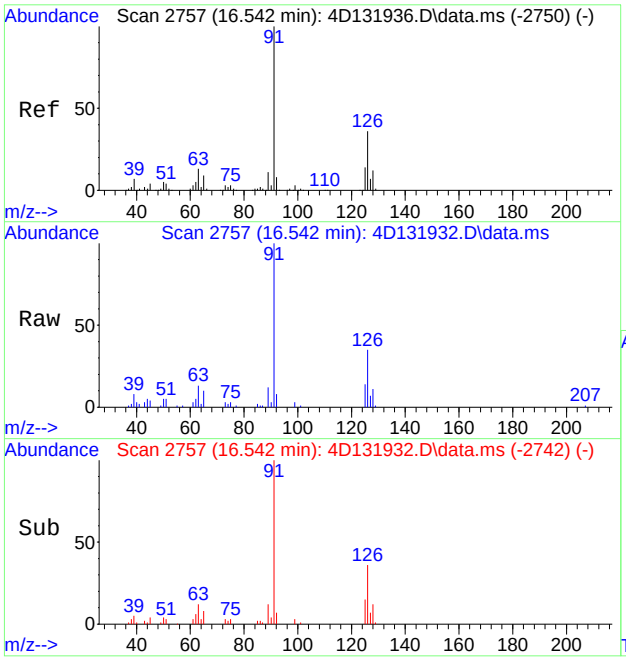


#103
2-chlorotoluene
Concen: 2.09 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:126 Resp: 7914

Ion	Ratio	Lower	Upper
126	100		
91	307.0	265.9	325.9
63	55.9	18.3	78.3

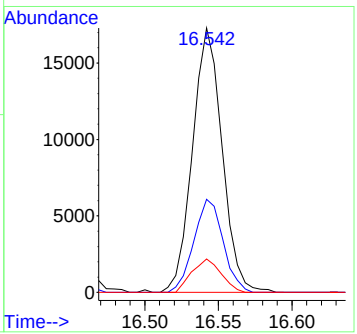


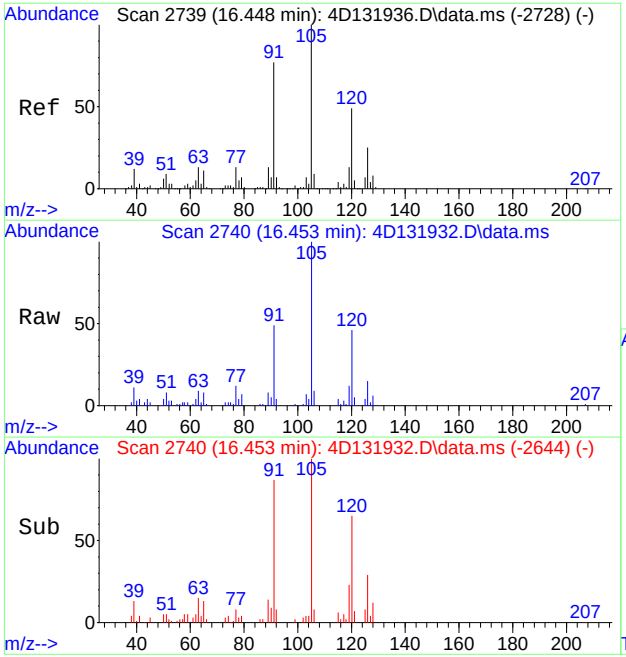


#104
4-chlorotoluene
Concen: 2.03 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 91 Resp: 24202

Ion	Ratio	Lower	Upper
91	100		
126	35.3	5.5	65.5
63	12.6	0.0	42.5

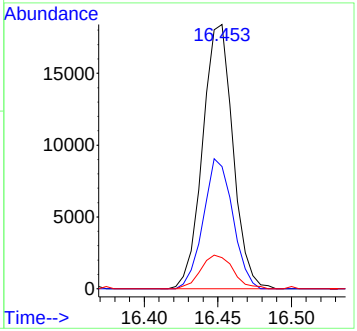


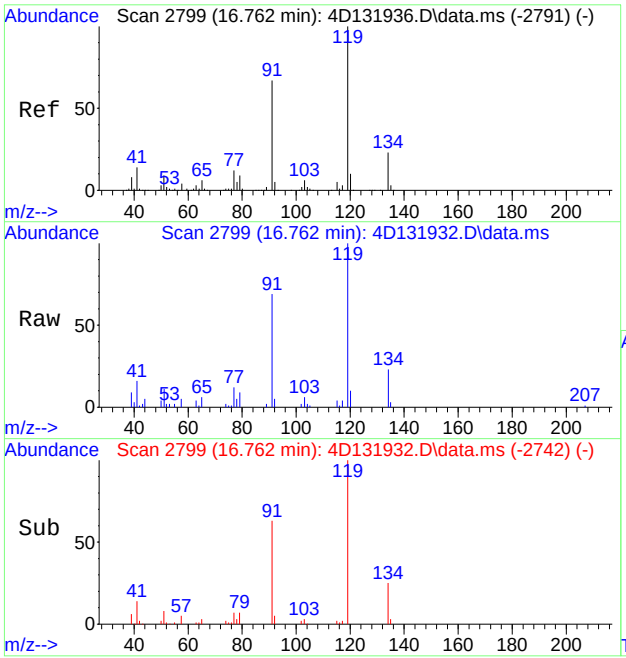


#105
1,3,5-trimethylbenzene
Concen: 2.12 ug/L
RT: 16.453 min Scan# 2740
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:105 Resp: 26270

Ion	Ratio	Lower	Upper
105	100		
120	46.2	19.3	79.3
77	11.8	0.0	42.7

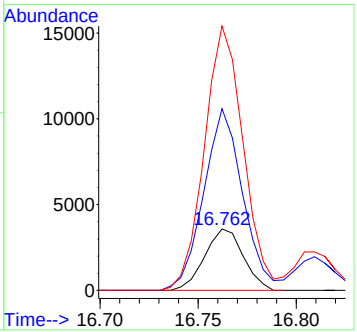


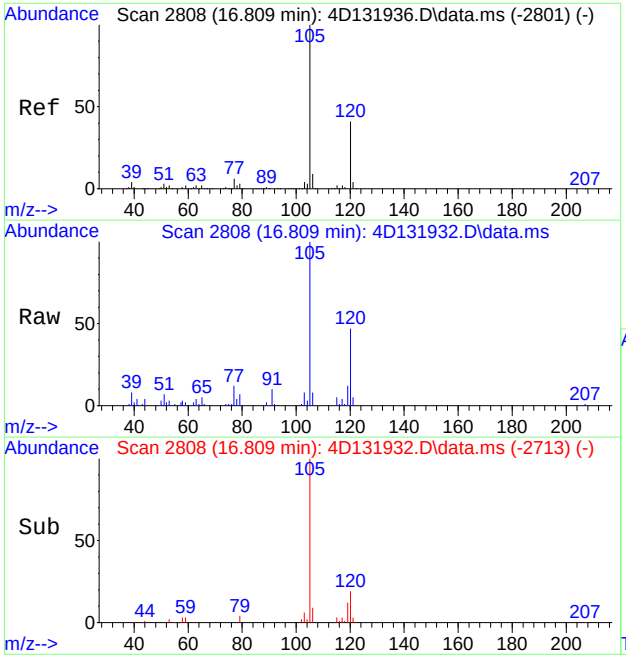


#106
tert-butylbenzene
Concen: 2.23 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:134 Resp: 4913

Ion	Ratio	Lower	Upper
134	100		
91	295.4	266.0	326.0
119	430.2	410.0	470.0

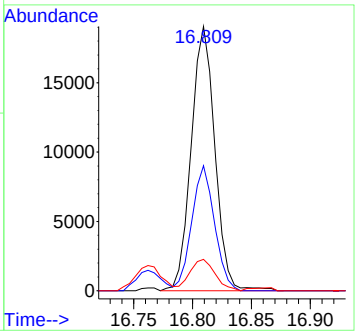


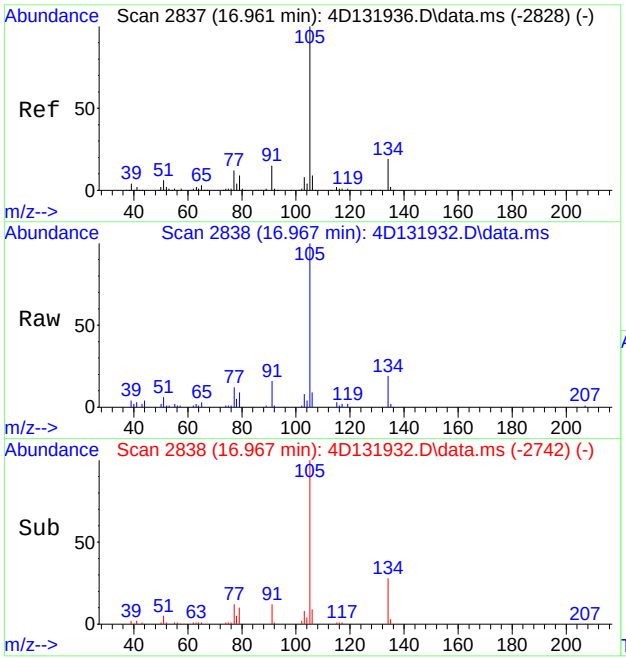


#107
1,2,4-trimethylbenzene
Concen: 2.17 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:105 Resp: 26737

Ion	Ratio	Lower	Upper
105	100		
120	47.3	15.8	75.8
77	11.8	0.0	41.4

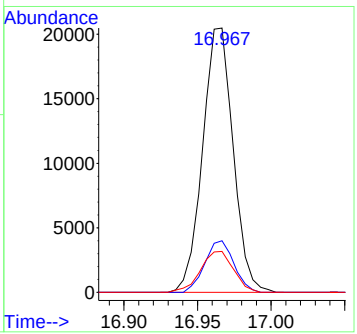


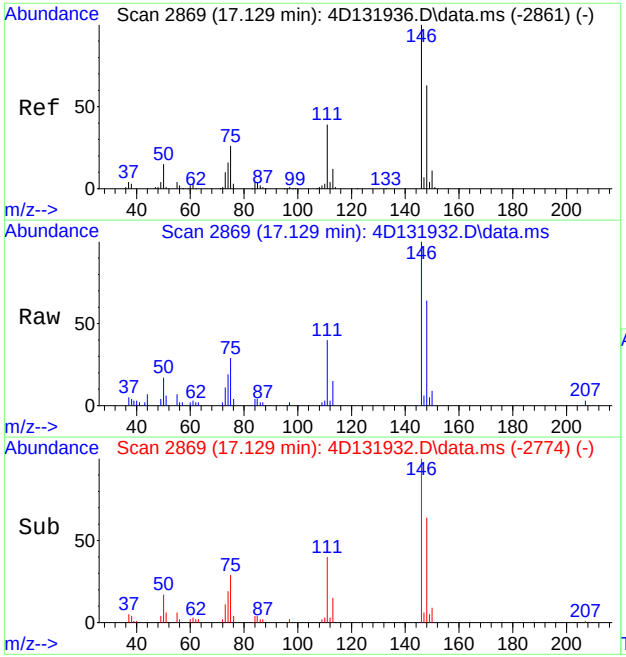


#108
sec-butylbenzene
Concen: 2.05 ug/L
RT: 16.967 min Scan# 2838
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:105 Resp: 29523

Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	48.6
91	15.5	0.0	45.4

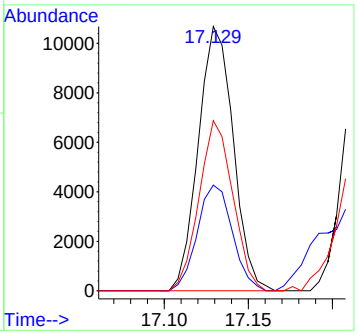


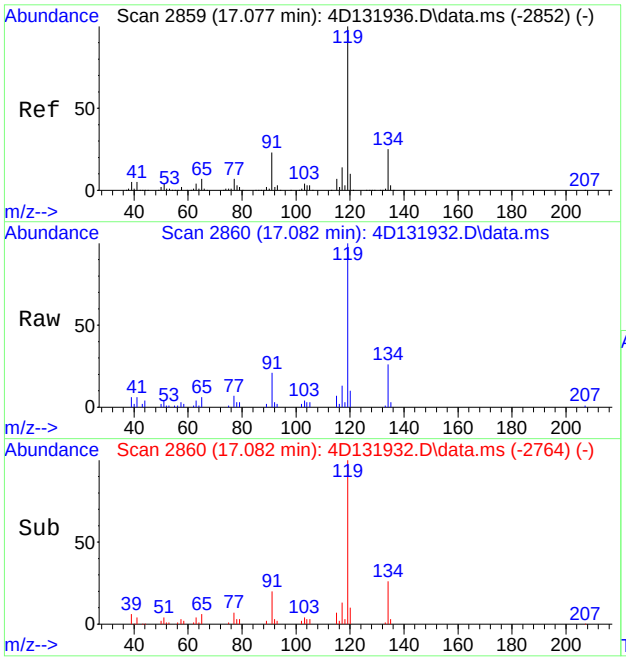


#109
1,3-dichlorobenzene
Concen: 2.15 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:146 Resp: 15456

Ion	Ratio	Lower	Upper
146	100		
111	40.0	9.4	69.4
148	64.3	33.3	93.3

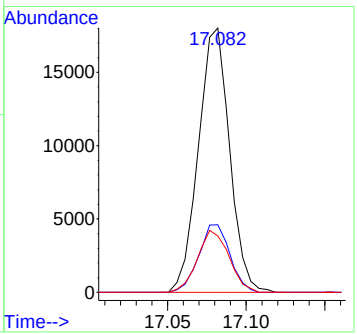


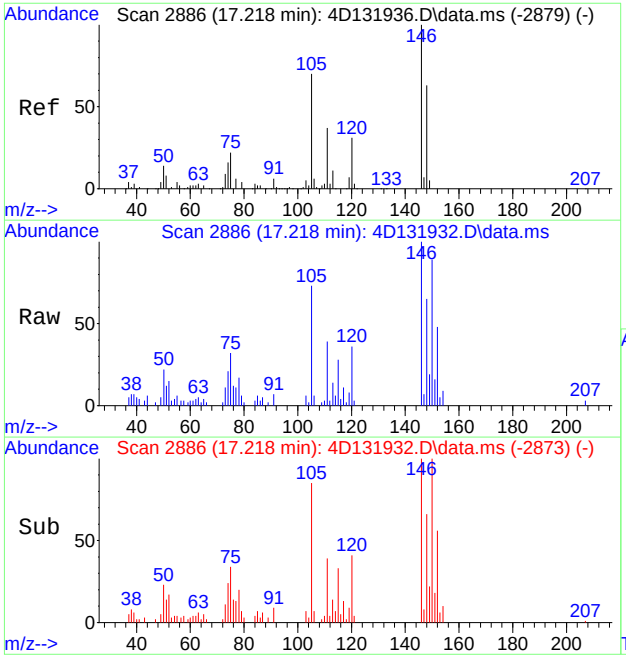


#110
p-isopropyltoluene
Concen: 2.11 ug/L
RT: 17.082 min Scan# 2860
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:119 Resp: 24882

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	55.5
91	21.3	0.0	53.2

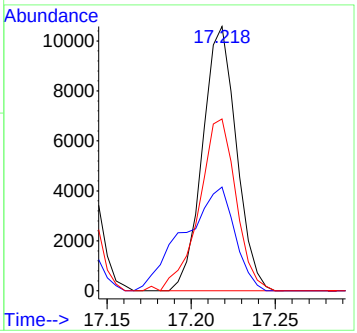


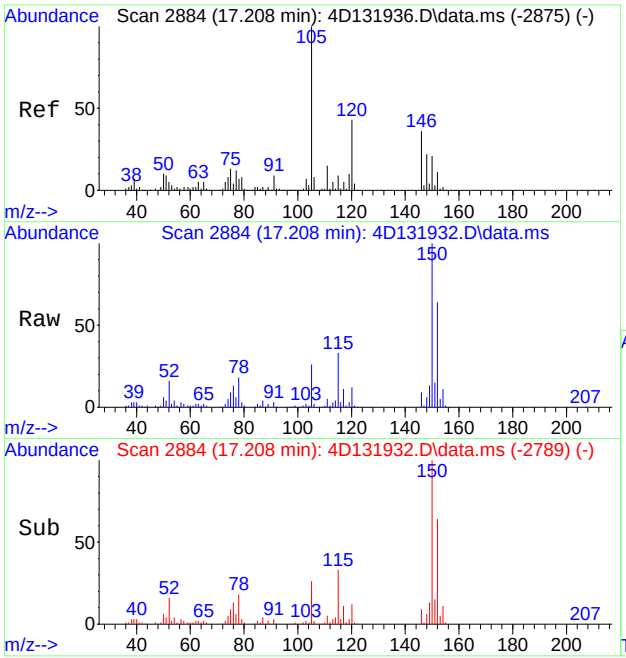


#111
1,4-dichlorobenzene
Concen: 2.13 ug/L
RT: 17.218 min Scan# 2886
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:146 Resp: 14790

Ion	Ratio	Lower	Upper
146	100		
111	39.2	7.6	67.6
148	65.0	33.6	93.6

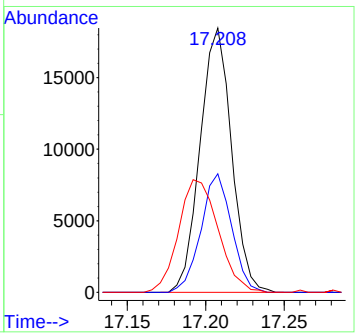


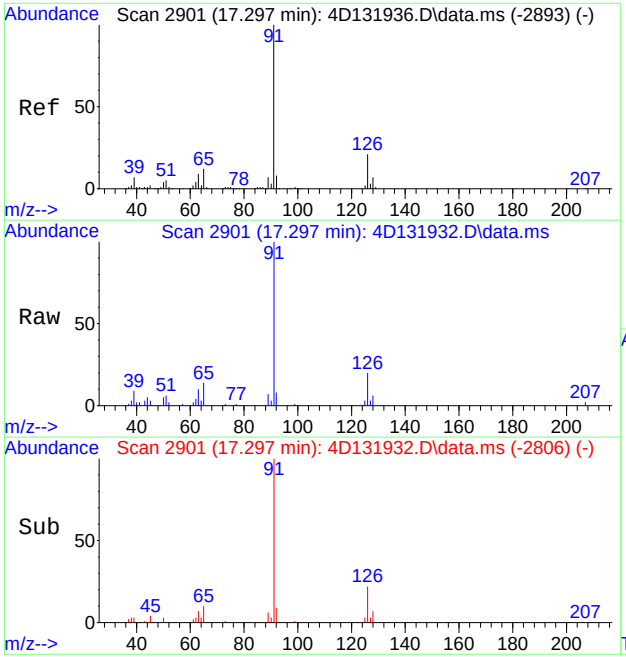


#112
1,2,3-trimethylbenzene
Concen: 2.17 ug/L
RT: 17.208 min Scan# 2884
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:105 Resp: 25758

Ion	Ratio	Lower	Upper
105	100		
120	44.9	12.6	72.6
77	24.4	0.0	42.2

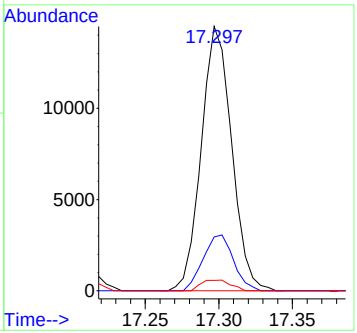


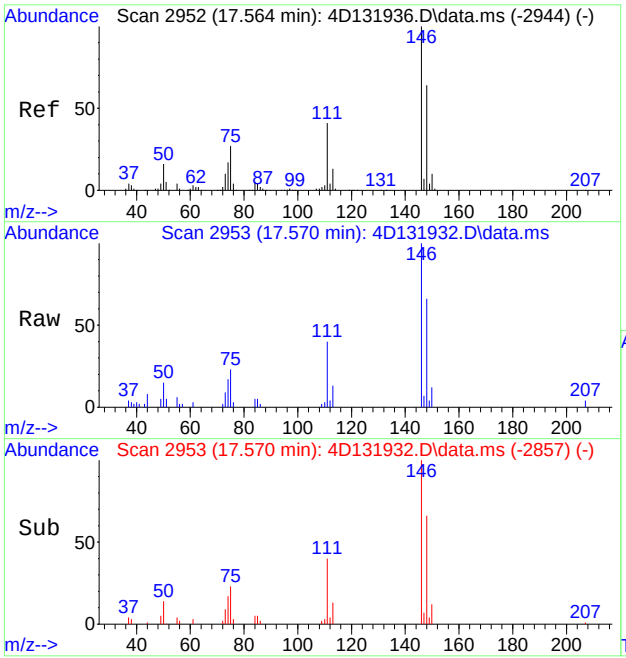


#113
benzyl chloride
Concen: 2.18 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 91 Resp: 20760

Ion	Ratio	Lower	Upper
91	100		
126	20.3	0.0	51.2
62	4.0	0.0	34.2

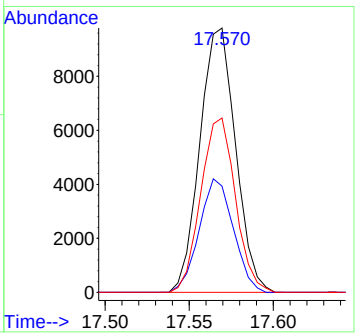


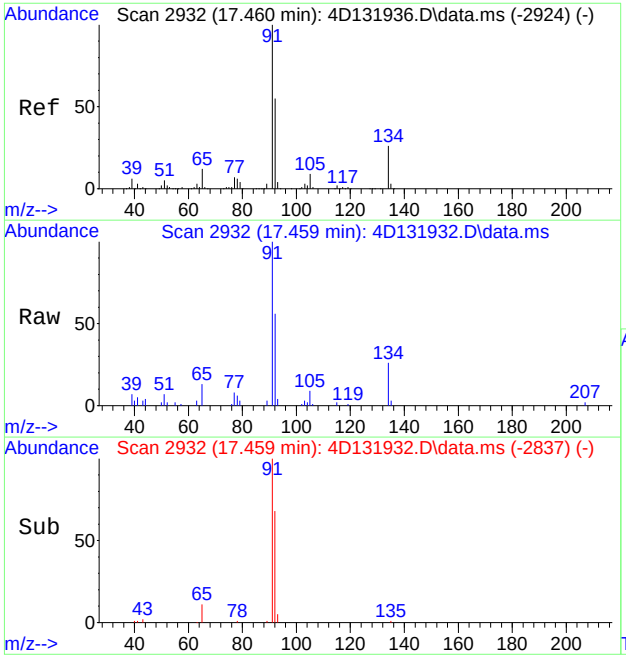


#114
1,2-dichlorobenzene
Concen: 2.16 ug/L
RT: 17.570 min Scan# 2953
Delta R.T. 0.005 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:146 Resp: 14472

Ion	Ratio	Lower	Upper
146	100		
111	40.1	11.4	71.4
148	66.0	33.6	93.6

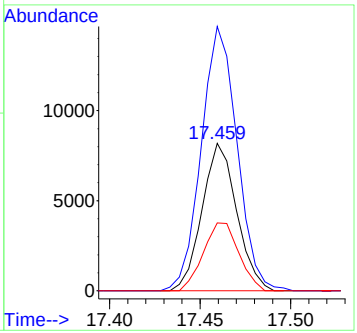


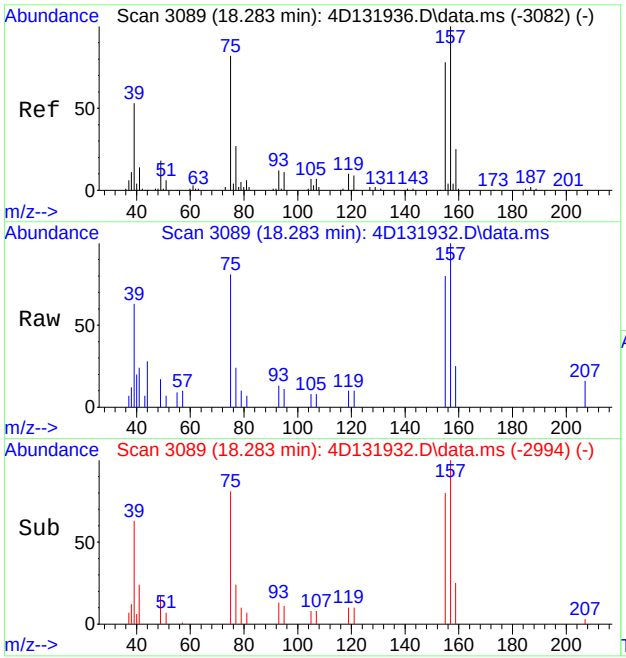


#115
n-butylbenzene
Concen: 2.07 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion: 92 Resp: 10868

Ion	Ratio	Lower	Upper
92	100		
91	179.2	151.4	211.4
134	46.1	16.5	76.5

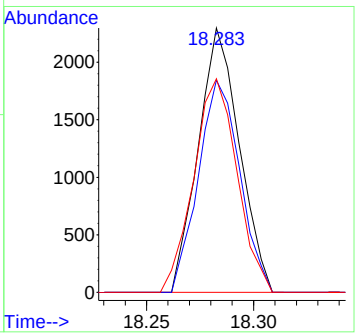


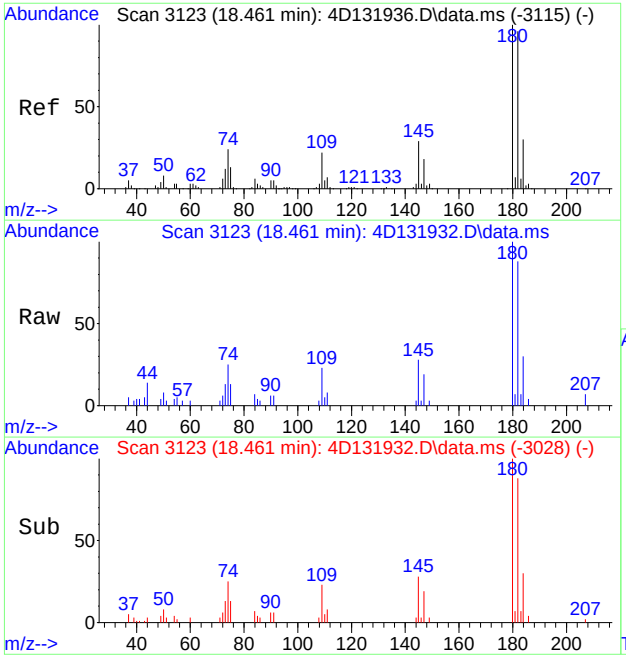


#116
1,2-dibromo-3-chloropropane
Concen: 2.15 ug/L
RT: 18.283 min Scan# 3089
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:157 Resp: 3071

Ion	Ratio	Lower	Upper
157	100		
155	80.2	48.1	108.1
75	80.8	52.3	112.3

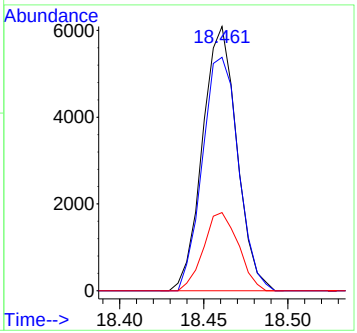


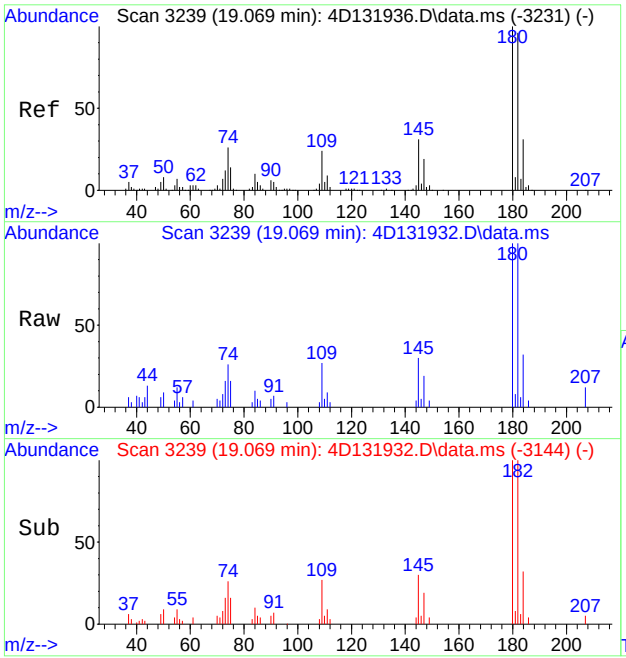


#117
1,3,5-trichlorobenzene
Concen: 2.13 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:180 Resp: 8664

Ion	Ratio	Lower	Upper
180	100		
182	88.3	66.1	126.1
184	29.5	0.3	60.3

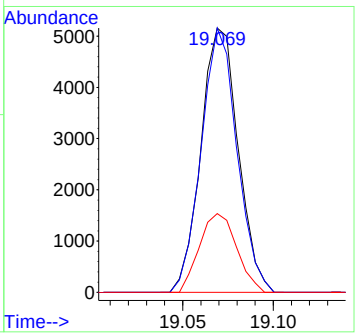


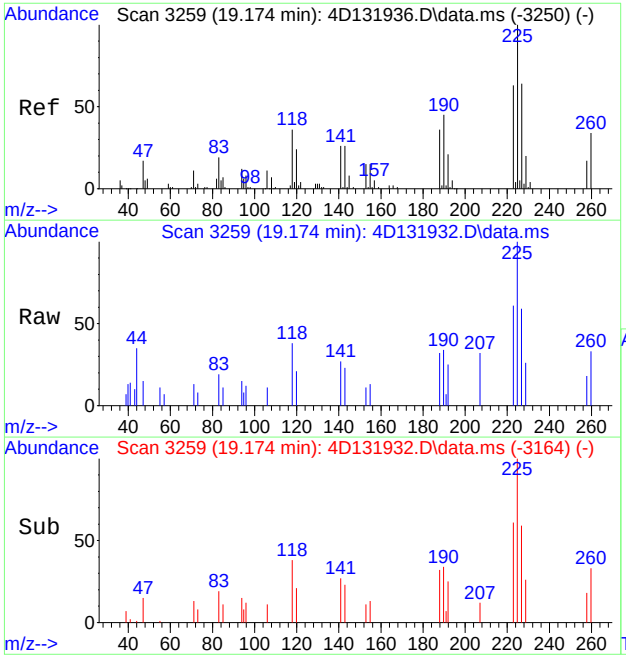


#118
1,2,4-trichlorobenzene
Concen: 2.09 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:180 Resp: 7378

Ion	Ratio	Lower	Upper
180	100		
182	99.9	65.6	125.6
145	29.8	0.8	60.8

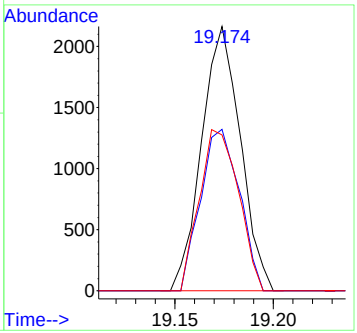


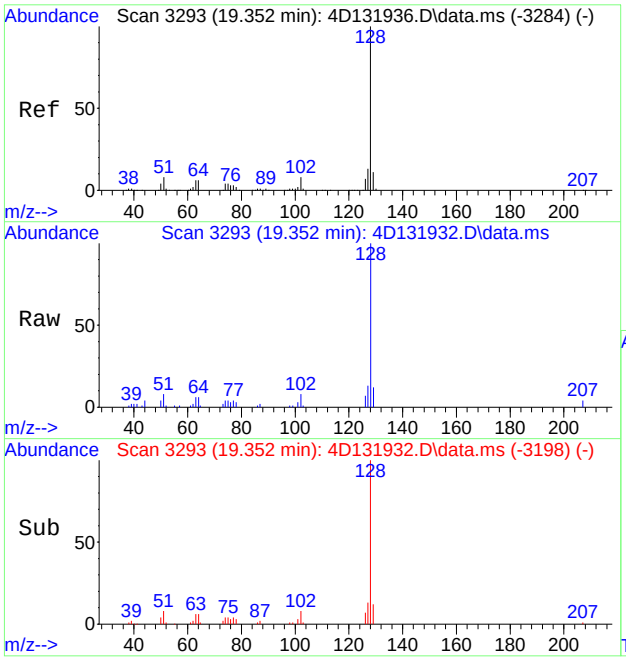


#119
hexachlorobutadiene
Concen: 2.17 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:225 Resp: 2982

Ion	Ratio	Lower	Upper
225	100		
223	61.1	33.3	93.3
227	58.9	33.8	93.8

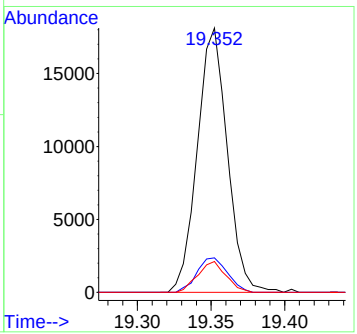


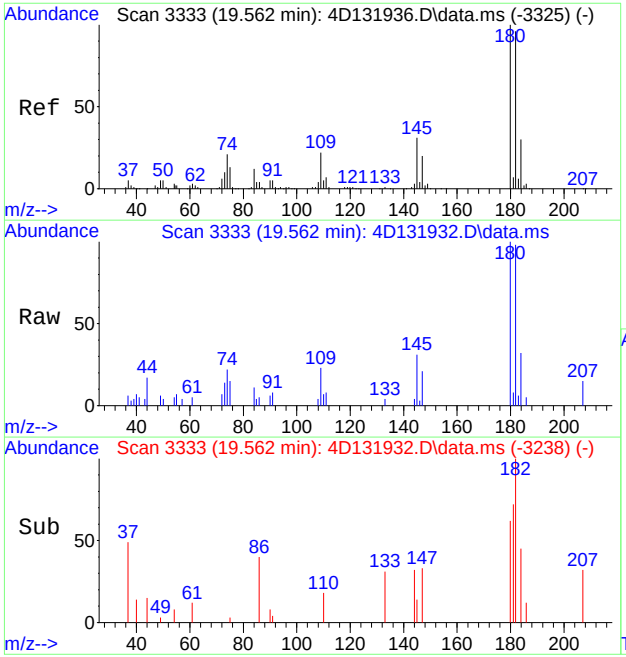


#120
naphthalene
Concen: 2.17 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:128 Resp: 25615

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	42.5
129	11.7	0.0	41.0

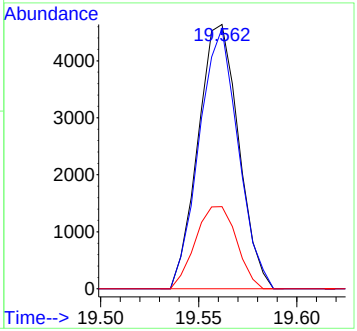


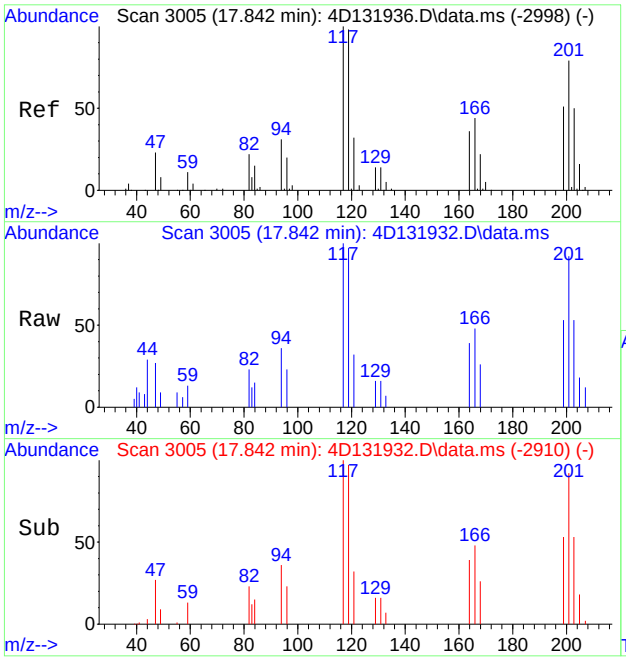


#121
1,2,3-trichlorobenzene
Concen: 2.13 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:180 Resp: 6670

Ion	Ratio	Lower	Upper
180	100		
182	98.4	66.3	126.3
145	31.1	1.3	61.3

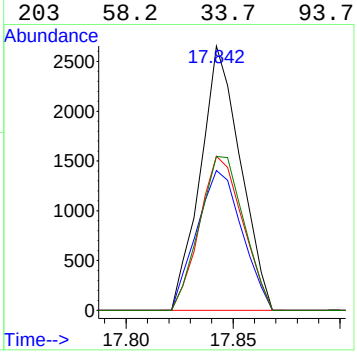


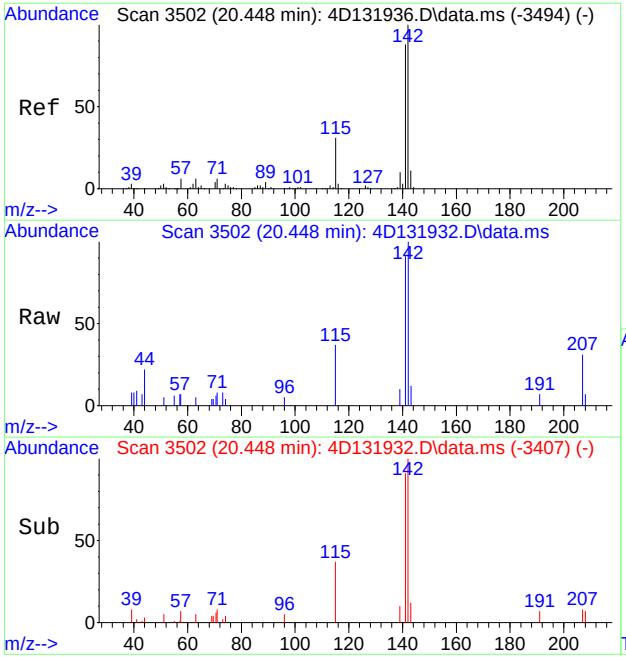


#122
hexachloroethane
Concen: 2.09 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:201 Resp: 3467

Ion	Ratio	Lower	Upper
201	100		
166	52.9	26.1	86.1
199	58.3	33.8	93.8
203	58.2	33.7	93.7

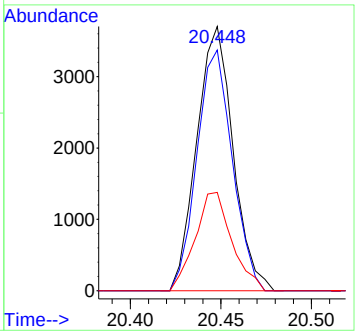




#123
2-methylnaphthalene
Concen: 1.04 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. -0.000 min
Lab File: 4D131932.D
Acq: 6 Oct 2023 5:04 pm

Tgt Ion:142 Resp: 5160

Ion	Ratio	Lower	Upper
142	100		
141	91.0	67.9	107.9
115	37.2	10.8	50.8



7.6.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131933.D
Acq On : 6 Oct 2023 5:33 pm
Operator : nickw
Sample : ic5842-4
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:31:27 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:28:45 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.819	65	432921	500.00	ug/L	-0.01
5) pentafluorobenzene	11.299	168	412657	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	682227	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	538652	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	234303	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.299	168	412657	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	234303	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.341	113	220349	50.30	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.60%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	255137	50.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.76%			
74) toluene-d8 (s)	13.705	98	719765	50.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.48%			
97) 4-bromofluorobenzene (s)	16.128	95	246418	50.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.16%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.955	59	25495	17.08	ug/L	99
3) ethanol	7.319	45	50454	356.79	ug/L	98
4) 1,4-dioxane	12.809	88	9163	106.28	ug/L	99
6) chlorodifluoromethane	4.808	51	20581	3.44	ug/L	99
7) dichlorodifluoromethane	4.734	85	23082	3.57	ug/L	99
8) chloromethane	5.253	50	25340	3.39	ug/L	99
9) vinyl chloride	5.500	62	20941	3.62	ug/L	98
10) 1,3-butadiene	5.600	54	16619	3.49	ug/L	98
11) bromomethane	6.292	94	11823	3.56	ug/L	100
12) chloroethane	6.533	64	12189	3.52	ug/L	97
13) trichlorofluoromethane	7.078	101	25931	3.89	ug/L	98
14) ethyl ether	7.592	74	8474	3.69	ug/L	98
15) acrolein	7.854	56	6282	4.80	ug/L	97
16) freon 113	8.069	151	11470	3.83	ug/L	94
17) 1,1-dichloroethene	8.074	96	12739	3.59	ug/L	98
18) acetone	8.085	58	16981	16.58	ug/L	97
19) acetonitrile	8.567	41	36723	34.57	ug/L	99
20) iodomethane	8.368	142	10013	2.66	ug/L	97
21) carbon disulfide	8.525	76	39360	3.45	ug/L	99
22) methylene chloride	8.897	84	16371	3.16	ug/L	96
23) methyl acetate	8.620	74	3696	3.34	ug/L	89
24) methyl tert butyl ether	9.285	73	47486	3.57	ug/L	98
25) trans-1,2-dichloroethene	9.333	96	15448	3.86	ug/L	94
26) di-isopropyl ether	9.951	45	57215	3.54	ug/L	95
27) 2-butanone	10.675	72	14668	15.81	ug/L #	88
28) 1,1-dichloroethane	9.972	63	29880	3.66	ug/L	100
29) chloroprene	10.082	53	27222	3.70	ug/L	97
30) acrylonitrile	9.228	53	9902	3.53	ug/L	99
31) hexane	9.731	56	14089	3.53	ug/L	94
32) vinyl acetate	9.899	86	3297	3.42	ug/L #	93
33) ethyl tert-butyl ether	10.449	59	56837	3.61	ug/L	99
34) ethyl acetate	10.691	70	3689	3.87	ug/L	92
35) 2,2-dichloropropane	10.769	77	24923	3.46	ug/L	98
36) cis-1,2-dichloroethene	10.743	96	17226	3.59	ug/L	98
37) methyl acrylate	10.774	55	30189	3.50	ug/L	98
38) propionitrile	10.753	54	45652	36.78	ug/L	92
39) bromochloromethane	11.052	128	8535	3.61	ug/L	95
40) tetrahydrofuran	11.073	72	3628	3.49	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131933.D
Acq On : 6 Oct 2023 5:33 pm
Operator : nickw
Sample : ic5842-4
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:31:27 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:28:45 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	11.147	85	20865	2.98	ug/L		97
42) t-butyl formate	11.173	59	8083	3.97	ug/L		92
44) methacrylonitrile	10.963	67	9705	3.58	ug/L		94
45) 1,1,1-trichloroethane	11.404	97	23552	3.66	ug/L		97
46) cyclohexane	11.514	84	22045	3.69	ug/L		97
47) 1,1-dichloropropene	11.577	75	20374	3.76	ug/L		95
48) isobutyl alcohol	11.535	74	1812	34.86	ug/L	#	55
49) carbon tetrachloride	11.598	117	21150	3.85	ug/L		97
50) tert amyl alcohol	11.692	55	8911	17.99	ug/L		95
53) n-butyl alcohol	12.253	56	66253	181.53	ug/L		99
54) 2,2,4-trimethylpentane	11.902	57	43636	3.44	ug/L		100
55) benzene	11.818	78	56708	3.55	ug/L		100
56) tert-amyl methyl ether	11.886	87	11344	3.77	ug/L		90
57) heptane	12.054	71	9510	3.46	ug/L		99
58) isopropyl acetate	11.718	87	4370	3.72	ug/L	#	93
59) 1,2-dichloroethane	11.844	62	23765	3.46	ug/L		98
60) trichloroethene	12.499	130	15877	3.70	ug/L		98
61) ethyl acrylate	12.478	55	30648	3.64	ug/L		99
63) 2-chloroethyl vinyl ether	13.218	63	43298	17.93	ug/L		98
64) methyl methacrylate	12.725	100	5158	3.39	ug/L		94
65) 1,2-dichloropropane	12.772	63	16698	3.70	ug/L		97
66) dibromomethane	12.872	93	10286	3.56	ug/L		96
67) methylcyclohexane	12.777	83	22511	3.59	ug/L		96
68) bromodichloromethane	13.013	83	20719	3.47	ug/L		99
69) epichlorohydrin	13.302	57	15742	17.61	ug/L		99
70) cis-1,3-dichloropropene	13.427	75	24582	3.55	ug/L		99
71) 4-methyl-2-pentanone	13.511	58	41093	14.70	ug/L		97
75) toluene	13.773	92	33438	3.54	ug/L		97
76) trans-1,3-dichloropropene	13.936	75	22417	3.61	ug/L		98
77) ethyl methacrylate	13.910	69	21630	3.42	ug/L		98
78) 1,1,2-trichloroethane	14.140	83	11985	3.53	ug/L		98
79) tetrachloroethene	14.277	164	12192	3.75	ug/L		96
80) 1,3-dichloropropane	14.308	76	22018	3.69	ug/L		83
81) 2-hexanone	14.277	58	44863	15.06	ug/L		96
82) butyl acetate	14.340	56	15665	3.53	ug/L		99
83) dibromochloromethane	14.528	129	16745	3.60	ug/L		98
84) 1,2-dibromoethane	14.675	107	15148	3.55	ug/L		99
85) n-butyl ether	15.037	57	65585	3.65	ug/L		99
86) chlorobenzene	15.105	112	36921	3.56	ug/L		96
87) 1,1,1,2-tetrachloroethane	15.158	131	13880	3.74	ug/L		97
88) ethylbenzene	15.152	91	60913	3.55	ug/L		99
89) m,p-xylene	15.257	106	46546	7.05	ug/L		98
90) o-xylene	15.624	106	23007	3.59	ug/L		95
91) styrene	15.635	104	38950	3.61	ug/L		95
92) bromoform	15.855	173	11527	3.51	ug/L		95
93) butyl acrylate	15.446	55	35888	3.53	ug/L		97
94) isopropylbenzene	15.939	105	52053	3.51	ug/L		100
95) cis-1,4-dichloro-2-butene	15.970	88	6793	3.51	ug/L		96
98) bromobenzene	16.301	156	14894	3.63	ug/L		97
99) 1,1,2,2-tetrachloroethane	16.190	83	19563	3.54	ug/L		97
100) trans-1,4-dichloro-2-b...	16.217	53	5930	3.69	ug/L		90
101) 1,2,3-trichloropropane	16.269	110	5466	3.88	ug/L		98
102) n-propylbenzene	16.311	91	62052	3.56	ug/L		100
103) 2-chlorotoluene	16.442	126	13591	3.66	ug/L		100
104) 4-chlorotoluene	16.542	91	39873	3.43	ug/L		100
105) 1,3,5-trimethylbenzene	16.447	105	43667	3.58	ug/L		98
106) tert-butylbenzene	16.762	134	8414	3.84	ug/L		100
107) 1,2,4-trimethylbenzene	16.809	105	45052	3.68	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131933.D
Acq On : 6 Oct 2023 5:33 pm
Operator : nickw
Sample : ic5842-4
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:31:27 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:28:45 2023
Response via : Initial Calibration

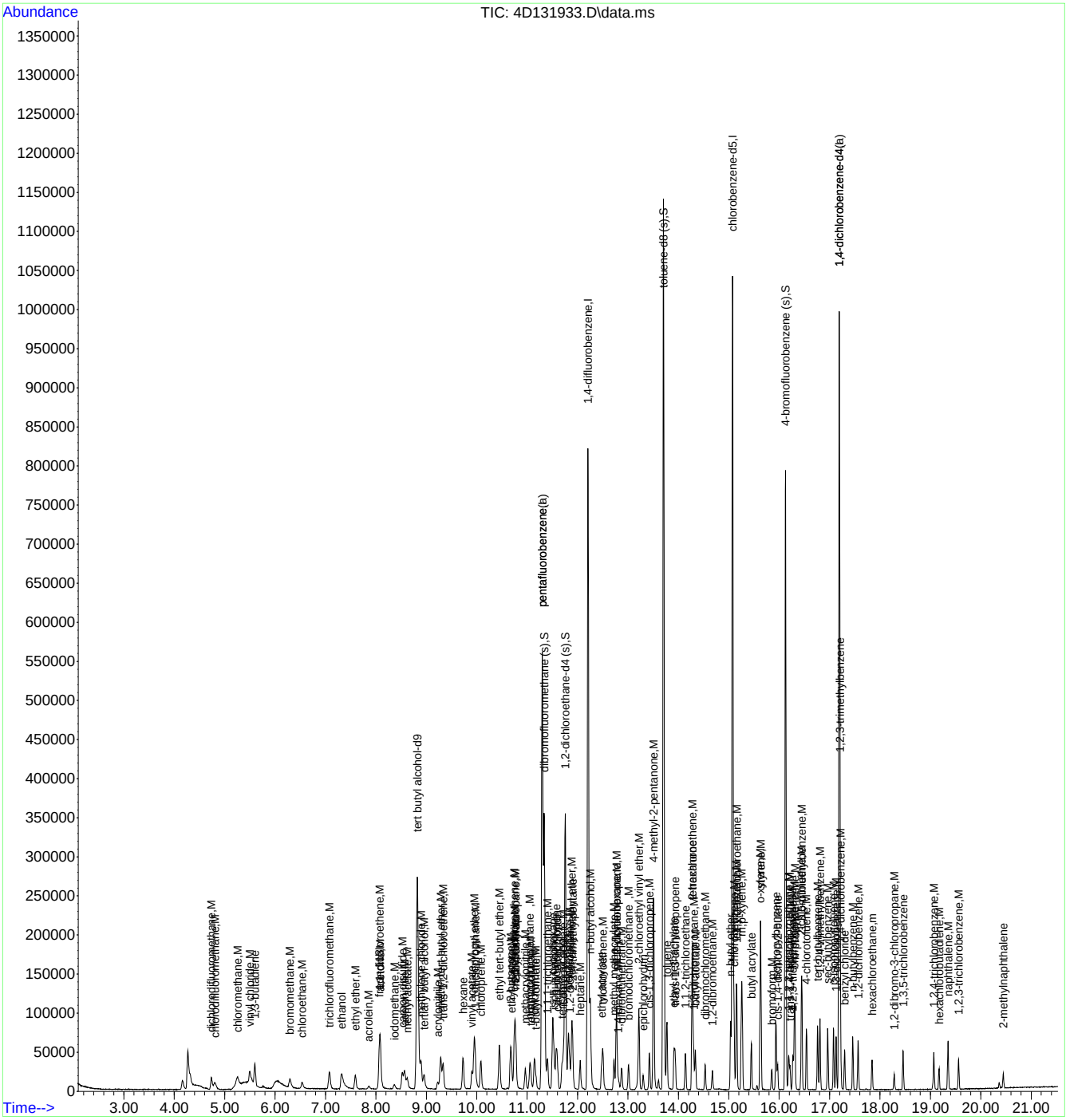
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	16.961	105	50316	3.57	ug/L	99
109) 1,3-dichlorobenzene	17.129	146	25424	3.59	ug/L	98
110) p-isopropyltoluene	17.082	119	41915	3.61	ug/L	98
111) 1,4-dichlorobenzene	17.218	146	24986	3.64	ug/L	99
112) 1,2,3-trimethylbenzene	17.208	105	42475	3.61	ug/L	94
113) benzyl chloride	17.297	91	33620	3.55	ug/L	98
114) 1,2-dichlorobenzene	17.569	146	23640	3.58	ug/L	99
115) n-butylbenzene	17.459	92	17976	3.50	ug/L	97
116) 1,2-dibromo-3-chloropr...	18.282	157	5227	3.71	ug/L	96
117) 1,3,5-trichlorobenzene	18.461	180	14382	3.60	ug/L	98
118) 1,2,4-trichlorobenzene	19.069	180	12573	3.62	ug/L	98
119) hexachlorobutadiene	19.174	225	5070	3.71	ug/L	99
120) naphthalene	19.352	128	44461	3.80	ug/L	99
121) 1,2,3-trichlorobenzene	19.562	180	11526	3.73	ug/L	96
122) hexachloroethane	17.842	201	6030	3.69	ug/L	97
123) 2-methylnaphthalene	20.448	142	8658	1.78	ug/L	96

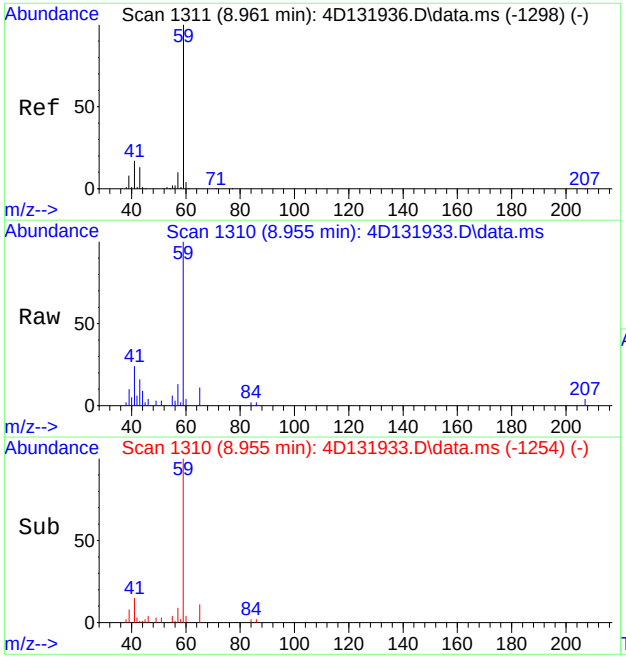
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131933.D
Acq On : 6 Oct 2023 5:33 pm
Operator : nickw
Sample : ic5842-4
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 15:31:27 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:28:45 2023
Response via : Initial Calibration

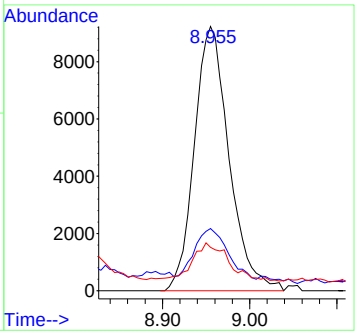


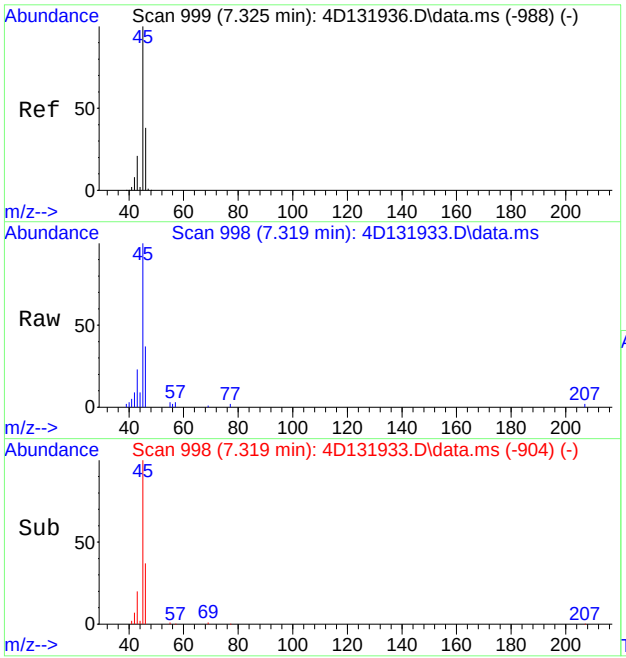


#2
tertiary butyl alcohol
Concen: 17.08 ug/L
RT: 8.955 min Scan# 1310
Delta R.T. -0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 59 Resp: 25495

Ion	Ratio	Lower	Upper
59	100		
41	19.7	0.0	49.8
43	12.6	0.0	43.7

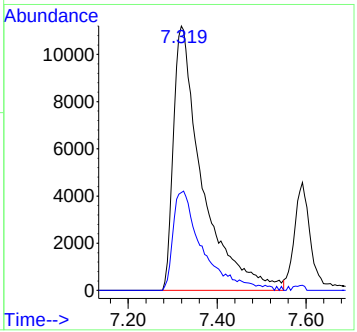


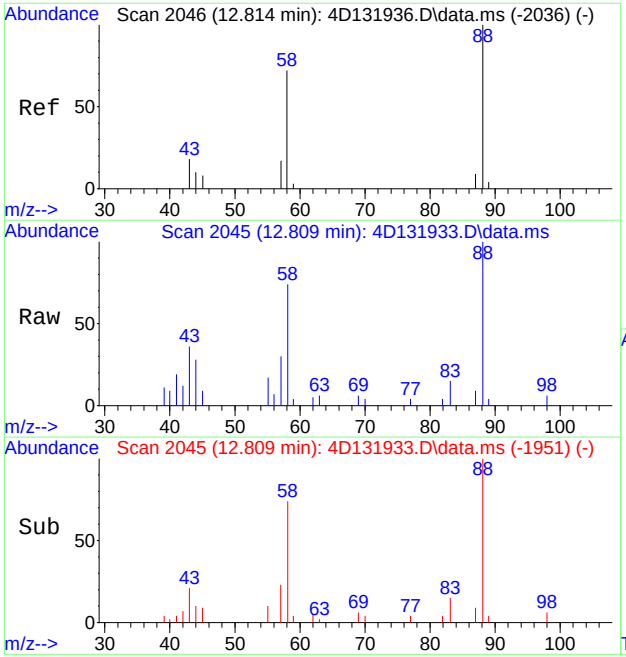


#3
ethanol
Concen: 356.79 ug/L
RT: 7.319 min Scan# 998
Delta R.T. -0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 45 Resp: 50454

Ion	Ratio	Lower	Upper
45	100		
46	37.0	8.2	68.2

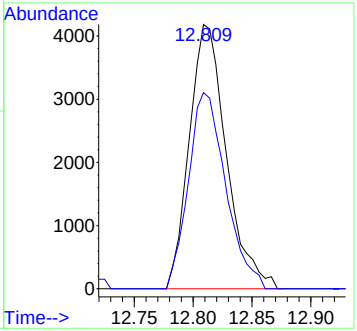


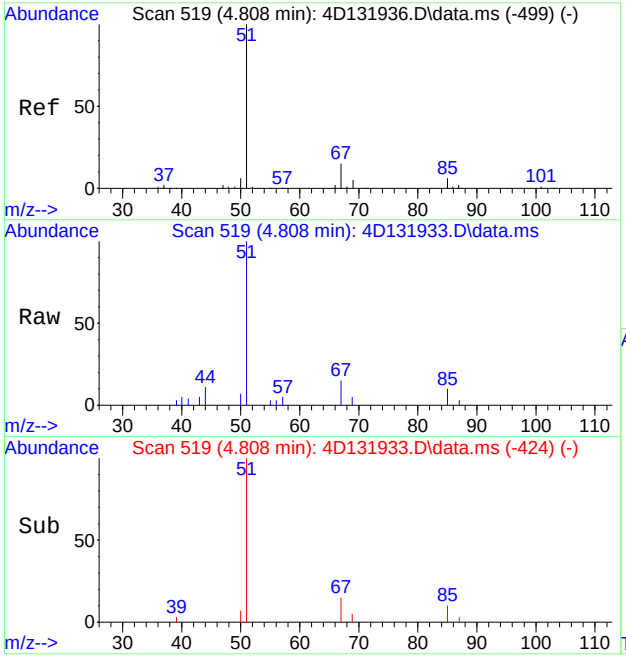


#4
1,4-dioxane
Concen: 106.28 ug/L
RT: 12.809 min Scan# 2045
Delta R.T. -0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 88 Resp: 9163

Ion	Ratio	Lower	Upper
88	100		
58	74.2	43.1	103.1

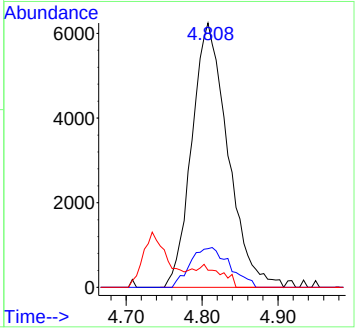


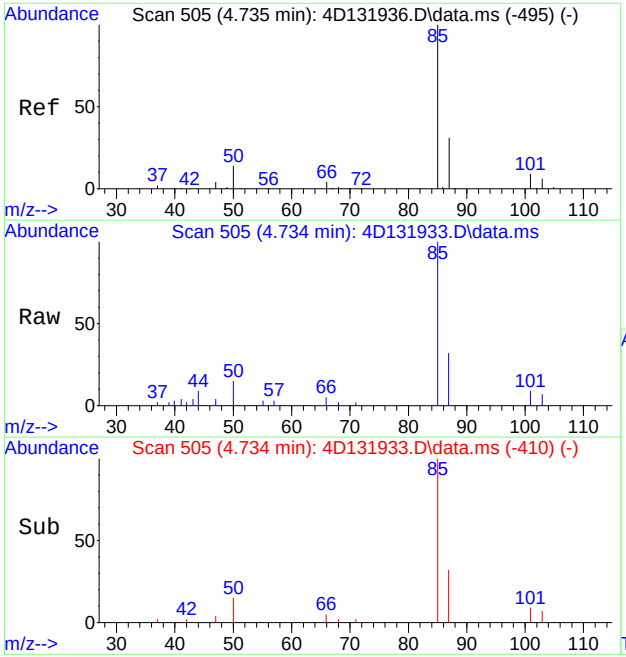


#6
chlorodifluoromethane
Concen: 3.44 ug/L
RT: 4.808 min Scan# 519
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 51 Resp: 20581

Ion	Ratio	Lower	Upper
51	100		
67	14.7	0.0	45.1
50	6.5	0.0	36.9

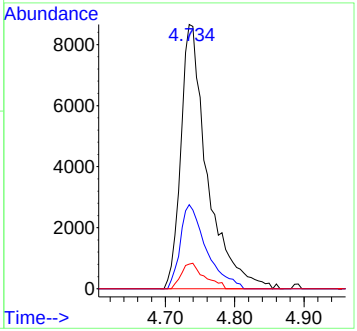


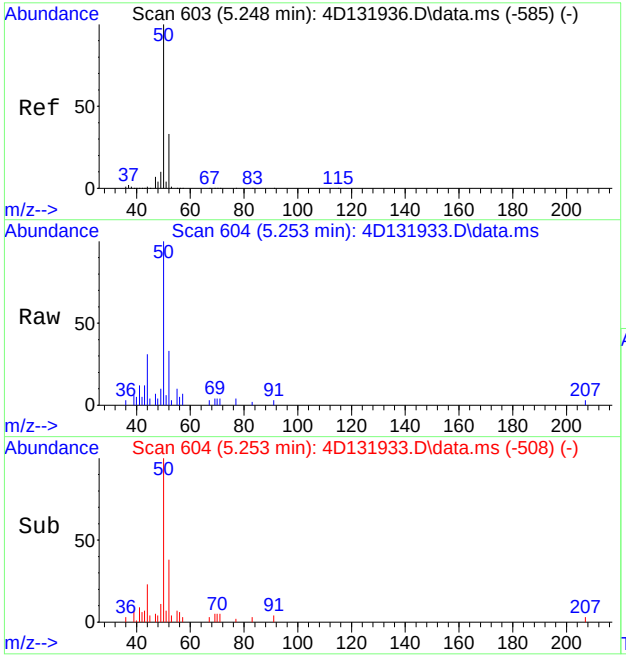


#7
dichlorodifluoromethane
Concen: 3.57 ug/L
RT: 4.734 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 85 Resp: 23082

Ion	Ratio	Lower	Upper
85	100		
87	31.8	1.4	61.4
101	9.3	0.0	39.3

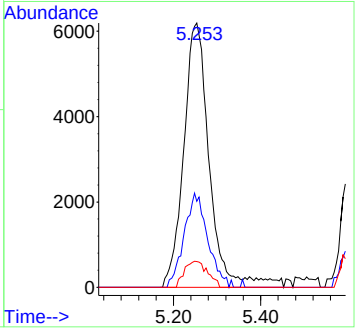


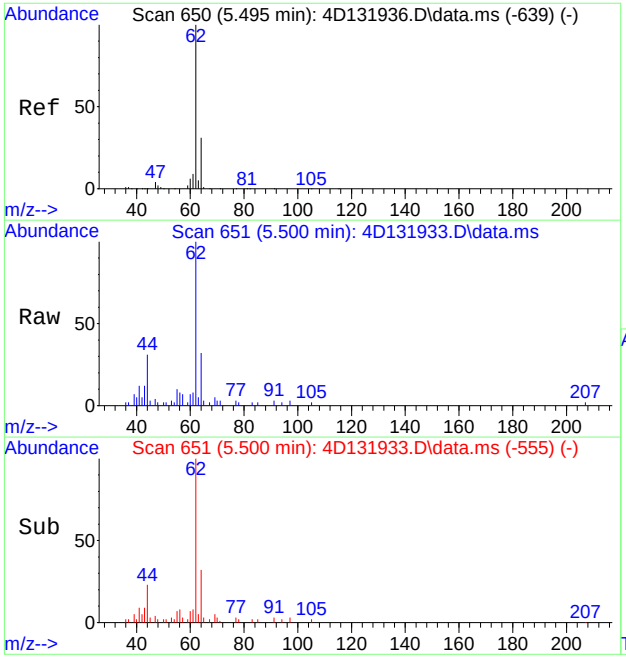


#8
chloromethane
Concen: 3.39 ug/L
RT: 5.253 min Scan# 604
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 50 Resp: 25340

Ion	Ratio	Lower	Upper
50	100		
52	32.5	2.8	62.8
49	9.8	0.0	40.0

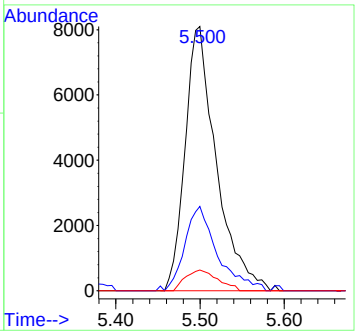


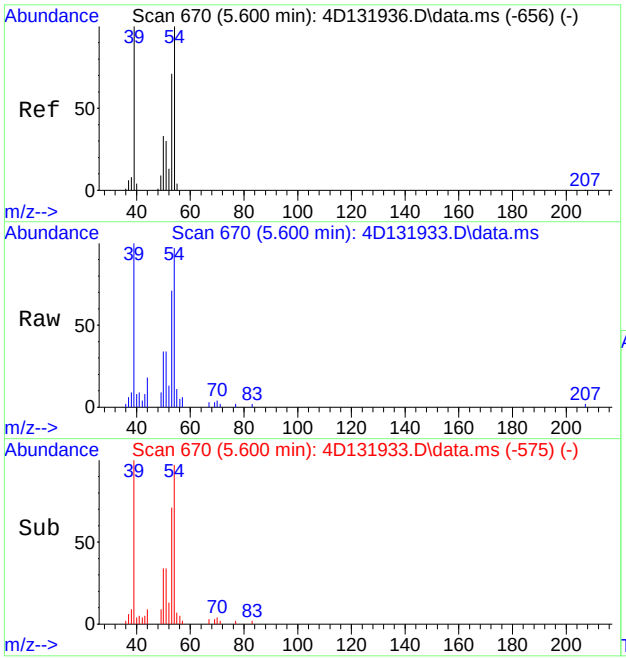


#9
vinyl chloride
Concen: 3.62 ug/L
RT: 5.500 min Scan# 651
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 62 Resp: 20941

Ion	Ratio	Lower	Upper
62	100		
64	31.9	1.2	61.2
61	7.8	0.0	38.7

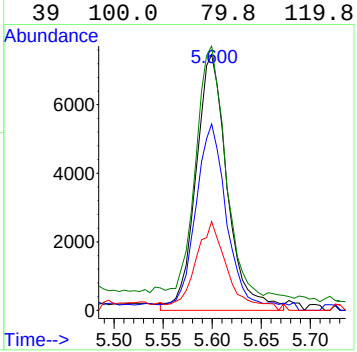


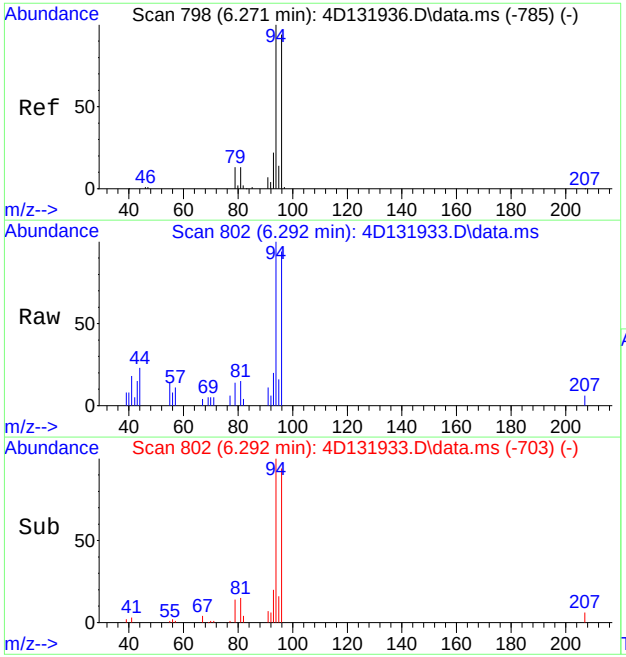


#10
1,3-butadiene
Concen: 3.49 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 54 Resp: 16619

Ion	Ratio	Lower	Upper
54	100		
53	72.5	41.0	101.0
51	33.0	0.0	59.6
39	100.0	79.8	119.8

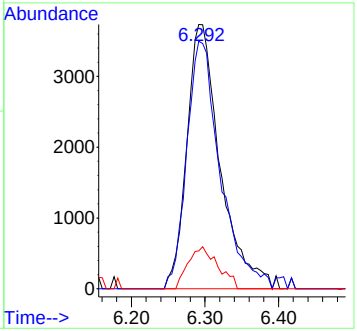


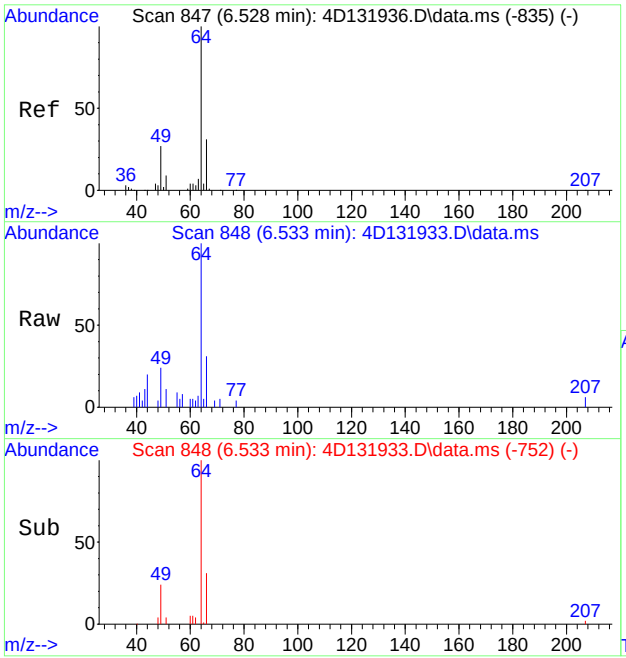


#11
bromomethane
Concen: 3.56 ug/L
RT: 6.292 min Scan# 802
Delta R.T. 0.021 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 94 Resp: 11823

Ion	Ratio	Lower	Upper
94	100		
96	93.6	63.6	123.6
79	14.3	0.0	43.4

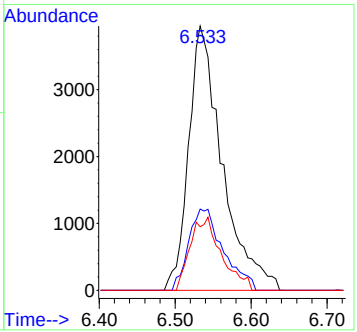


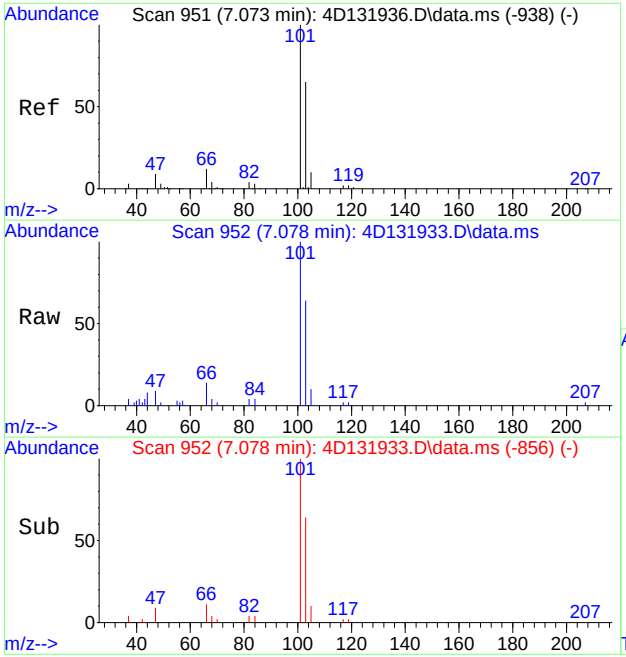


#12
chloroethane
Concen: 3.52 ug/L
RT: 6.533 min Scan# 848
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 64 Resp: 12189

Ion	Ratio	Lower	Upper
64	100		
66	30.7	1.2	61.2
49	24.1	0.0	57.3

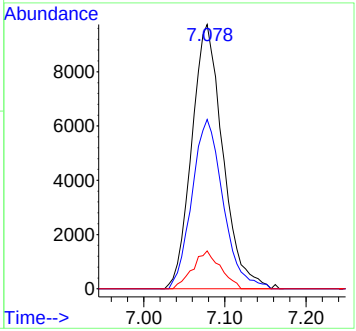


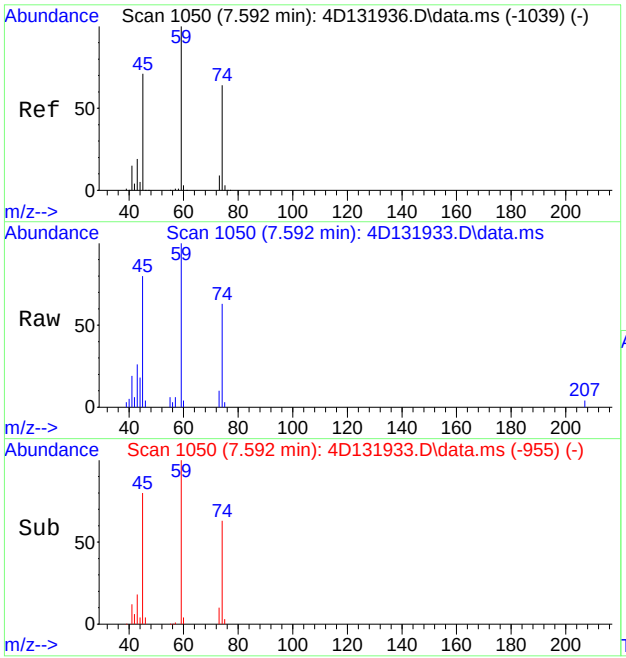


#13
trichlorofluoromethane
Concen: 3.89 ug/L
RT: 7.078 min Scan# 952
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:101 Resp: 25931

Ion	Ratio	Lower	Upper
101	100		
103	64.0	35.1	95.1
66	14.3	0.0	42.2

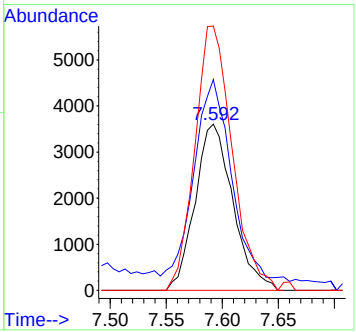


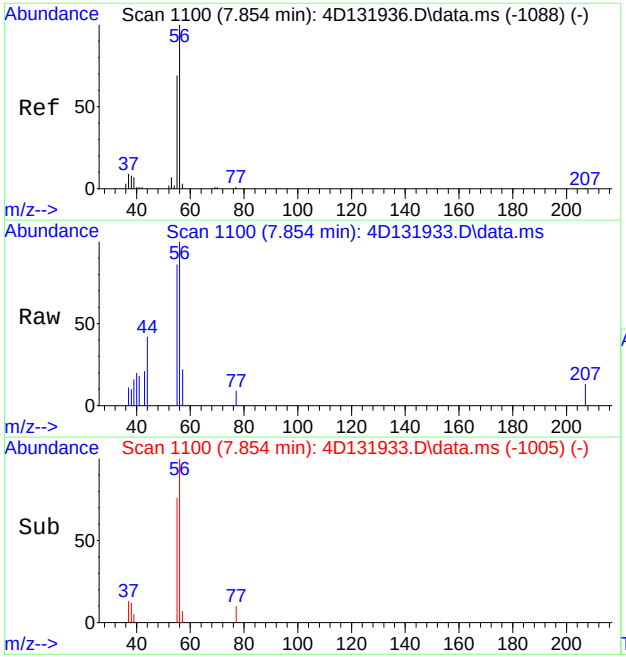


#14
ethyl ether
Concen: 3.69 ug/L
RT: 7.592 min Scan# 1050
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 74 Resp: 8474

Ion	Ratio	Lower	Upper
74	100		
45	118.8	89.0	149.0
59	159.2	125.8	185.8

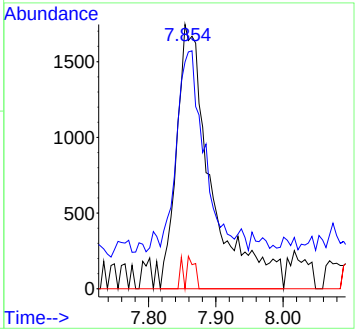


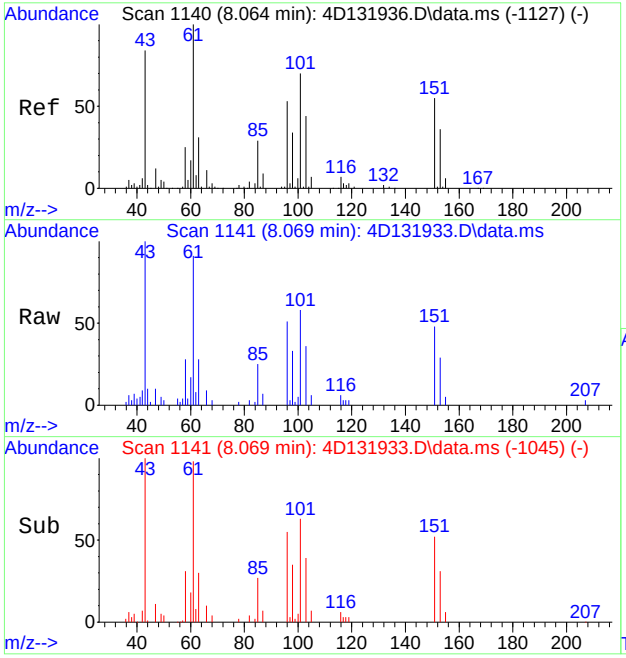


#15
acrolein
Concen: 4.80 ug/L
RT: 7.854 min Scan# 1100
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 56 Resp: 6282

Ion	Ratio	Lower	Upper
56	100		
55	69.9	38.7	98.7
53	0.0	0.0	37.5

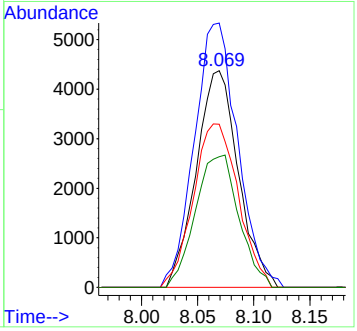


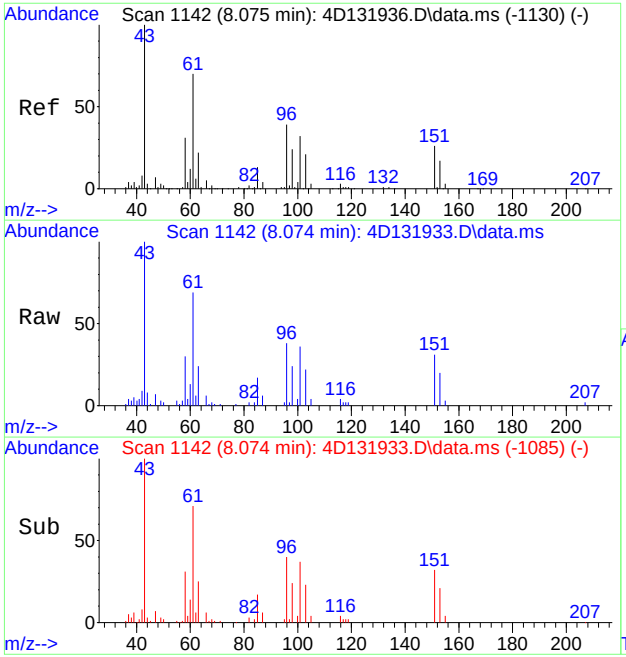


#16
freon 113
Concen: 3.83 ug/L
RT: 8.069 min Scan# 1141
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:151 Resp: 11470

Ion	Ratio	Lower	Upper
151	100		
101	122.1	107.6	147.6
103	75.3	61.2	101.2
153	60.4	45.4	85.4

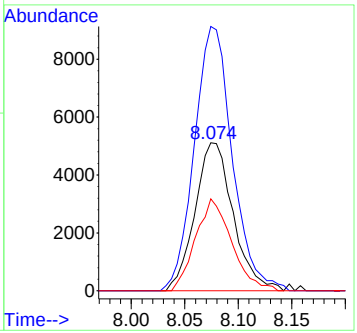


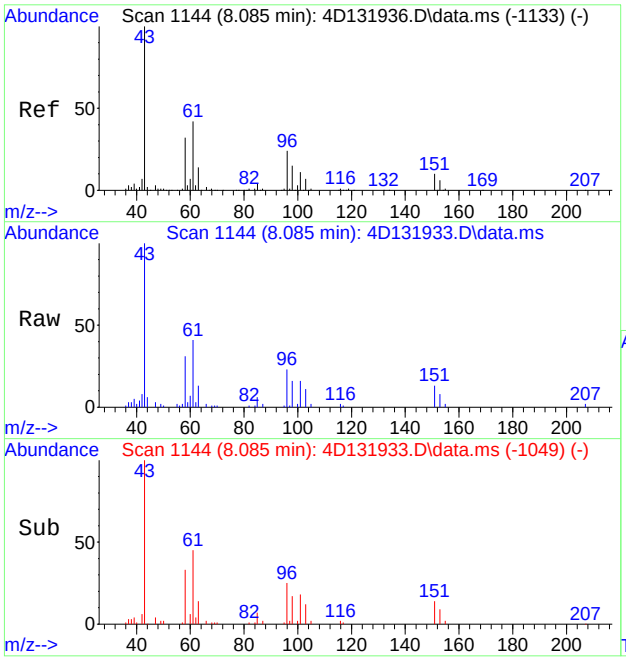


#17
1,1-dichloroethene
Concen: 3.59 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 96 Resp: 12739

Ion	Ratio	Lower	Upper
96	100		
61	178.8	149.0	209.0
63	62.1	26.1	86.1

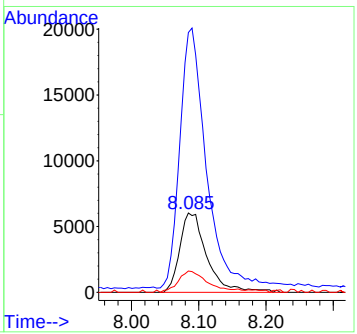


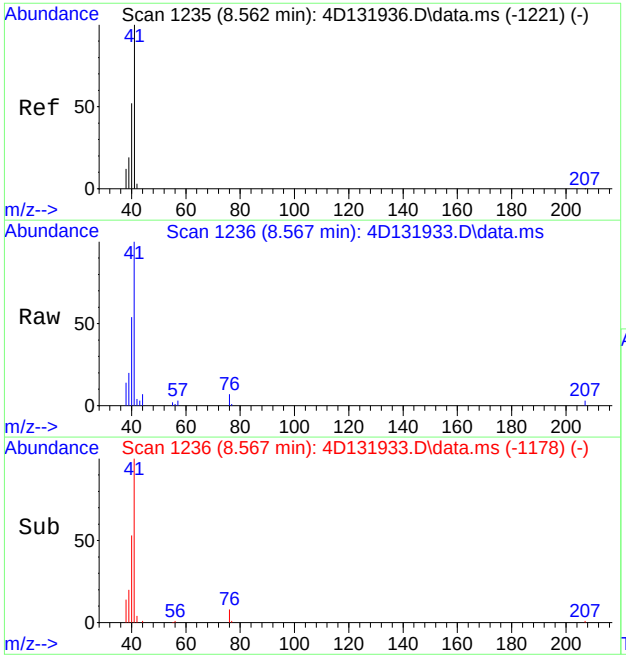


#18
acetone
Concen: 16.58 ug/L
RT: 8.085 min Scan# 1144
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 58 Resp: 16981

Ion	Ratio	Lower	Upper
58	100		
43	321.0	285.1	345.1
42	26.7	0.0	53.5

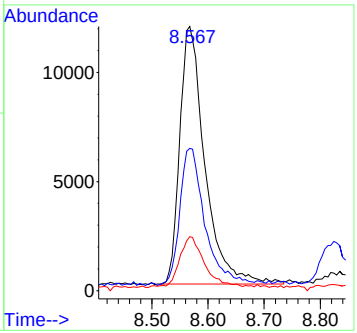


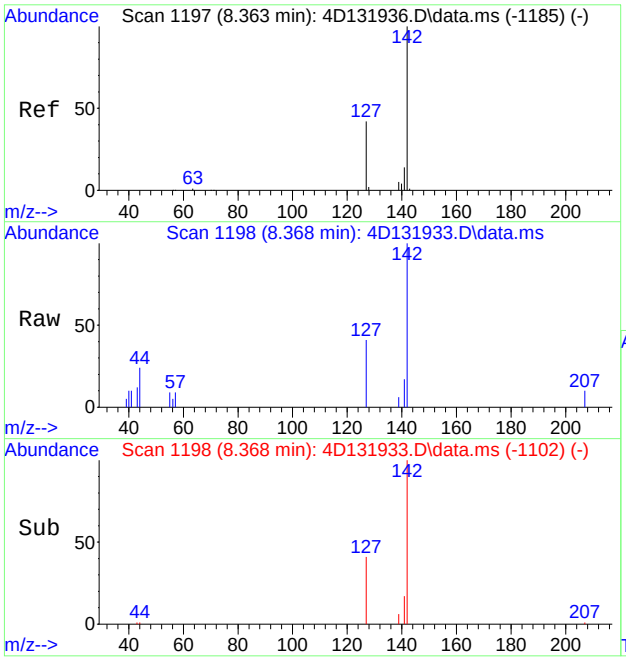


#19
acetonitrile
Concen: 34.57 ug/L
RT: 8.567 min Scan# 1236
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 41 Resp: 36723

Ion	Ratio	Lower	Upper
41	100		
40	52.7	22.4	82.4
39	19.7	0.0	49.2

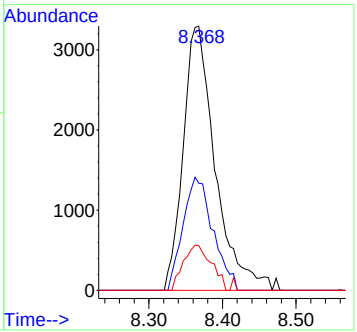


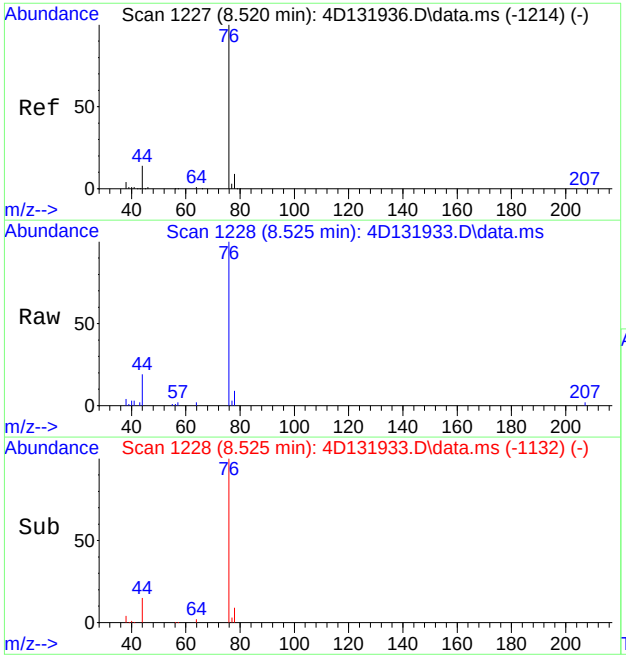


#20
iodomethane
Concen: 2.66 ug/L
RT: 8.368 min Scan# 1198
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:142 Resp: 10013

Ion	Ratio	Lower	Upper
142	100		
127	40.5	11.7	71.7
141	16.9	0.0	44.4

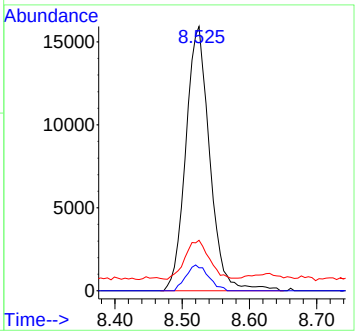


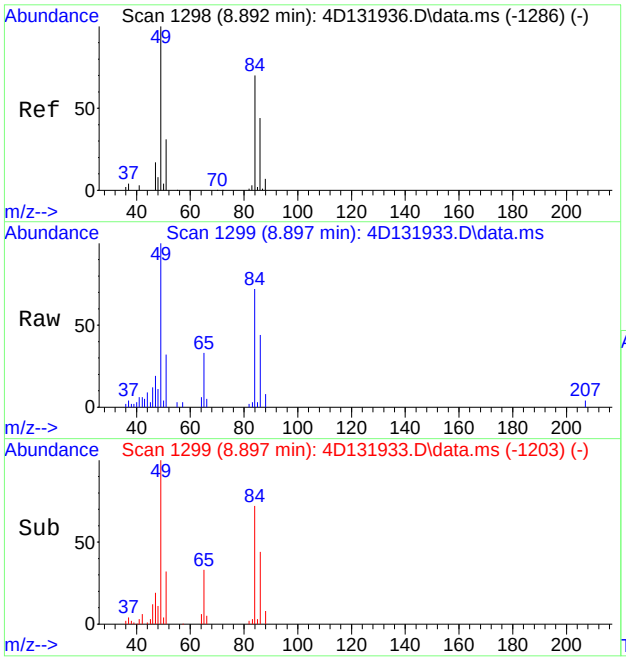


#21
carbon disulfide
Concen: 3.45 ug/L
RT: 8.525 min Scan# 1228
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 76 Resp: 39360

Ion	Ratio	Lower	Upper
76	100		
78	8.7	0.0	39.2
44	14.5	0.0	44.4

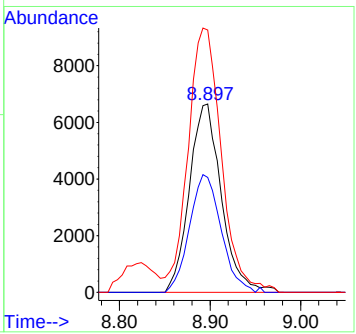


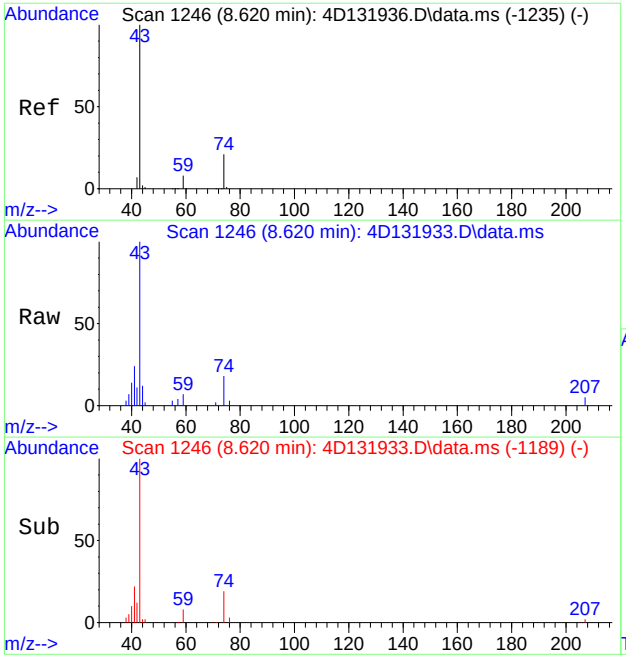


#22
methylene chloride
Concen: 3.16 ug/L
RT: 8.897 min Scan# 1299
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 84 Resp: 16371

Ion	Ratio	Lower	Upper
84	100		
86	61.0	33.7	93.7
49	139.2	114.9	174.9

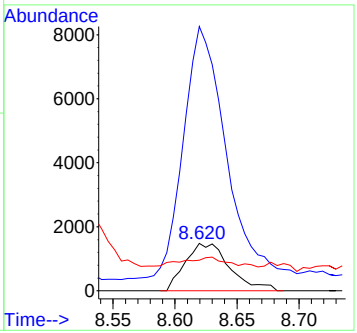


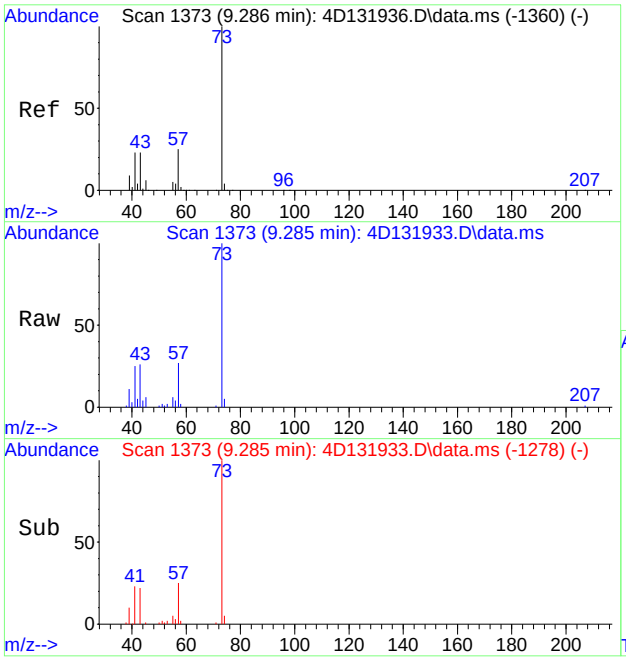


#23
methyl acetate
Concen: 3.34 ug/L
RT: 8.620 min Scan# 1246
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 74 Resp: 3696

Ion	Ratio	Lower	Upper
74	100		
43	512.5	453.1	513.1
44	12.3	0.0	45.1

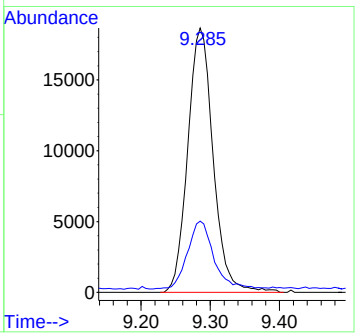


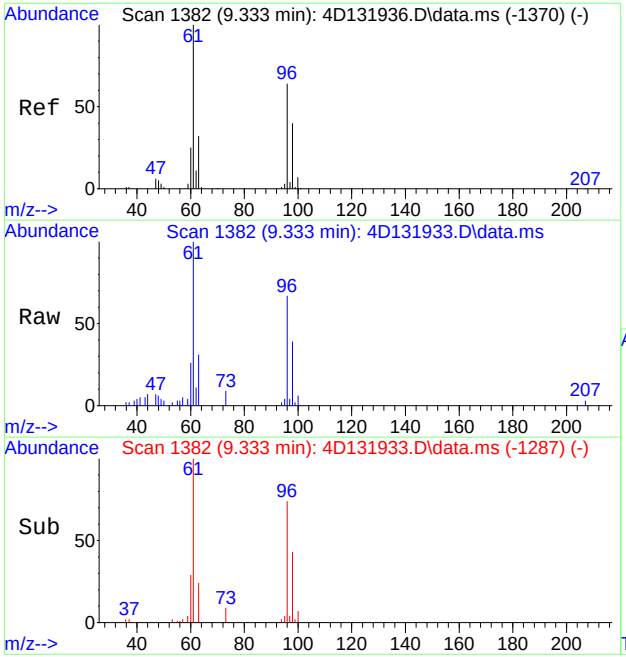


#24
methyl tert butyl ether
Concen: 3.57 ug/L
RT: 9.285 min Scan# 1373
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 73 Resp: 47486

Ion	Ratio	Lower	Upper
73	100		
57	25.4	0.0	224.6

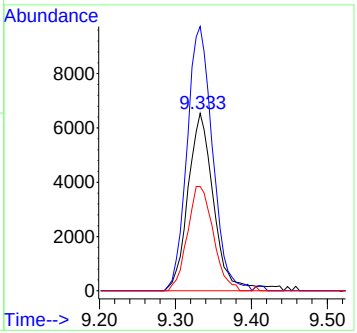


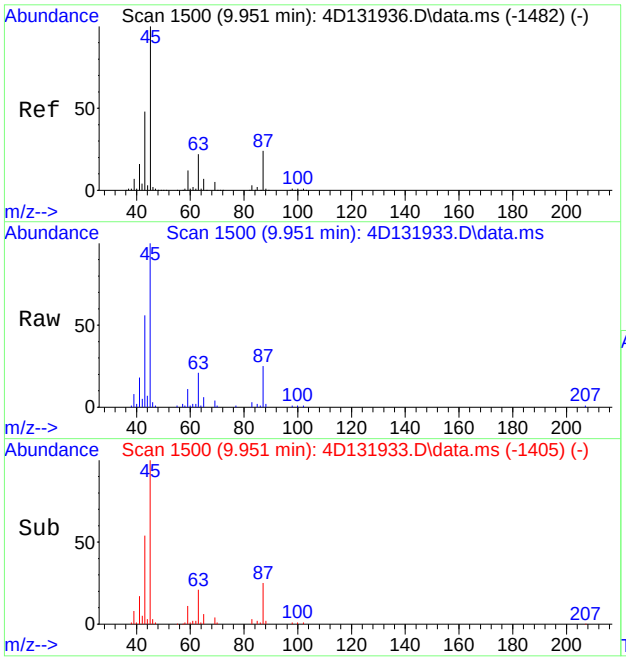


#25
trans-1,2-dichloroethene
Concen: 3.86 ug/L
RT: 9.333 min Scan# 1382
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 96 Resp: 15448

Ion	Ratio	Lower	Upper
96	100		
61	149.1	126.5	186.5
98	58.8	33.3	93.3

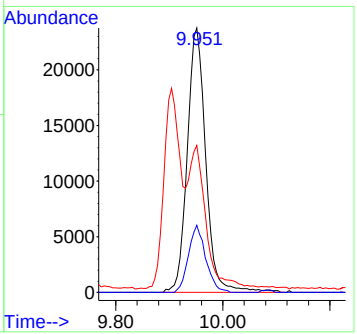


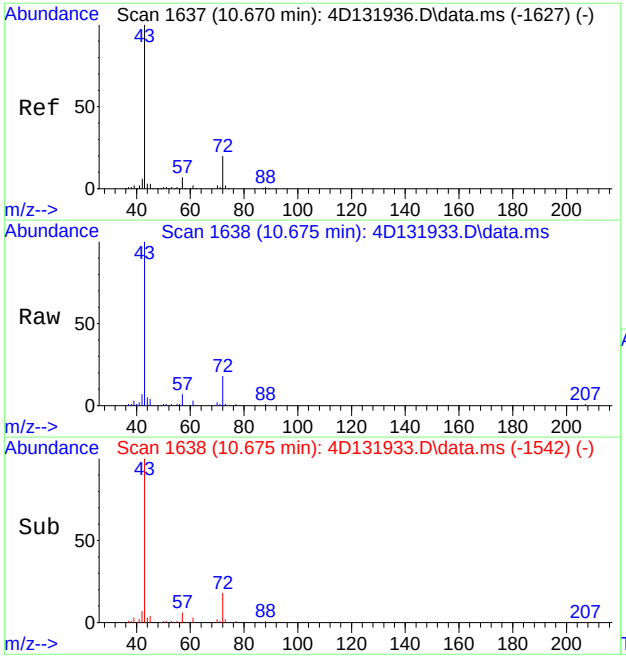


#26
di-isopropyl ether
Concen: 3.54 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 45 Resp: 57215

Ion	Ratio	Lower	Upper
45	100		
87	25.3	0.0	54.4
43	53.5	18.8	78.8

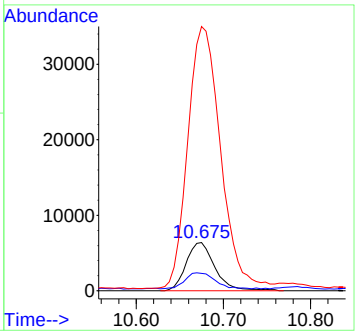


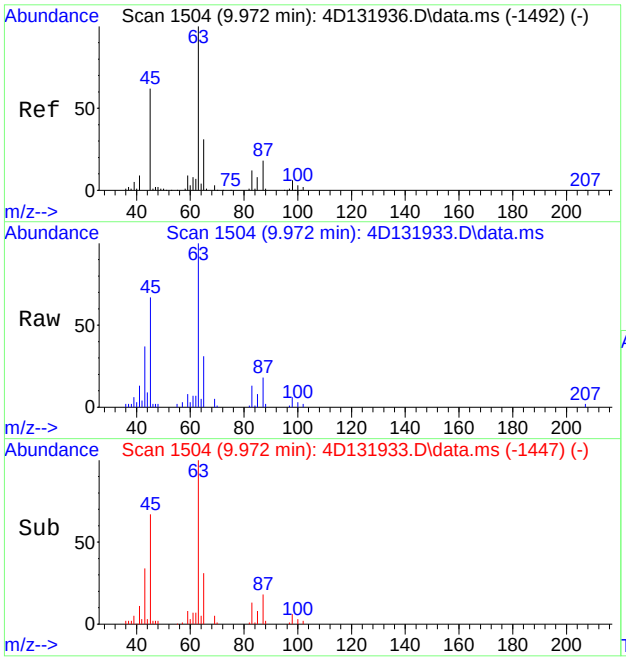


#27
2-butanone
Concen: 15.81 ug/L
RT: 10.675 min Scan# 1638
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 72 Resp: 14668

Ion	Ratio	Lower	Upper
72	100		
57	32.0	3.7	63.7
43	541.8	475.8	535.8#

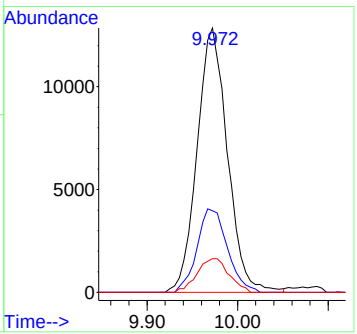


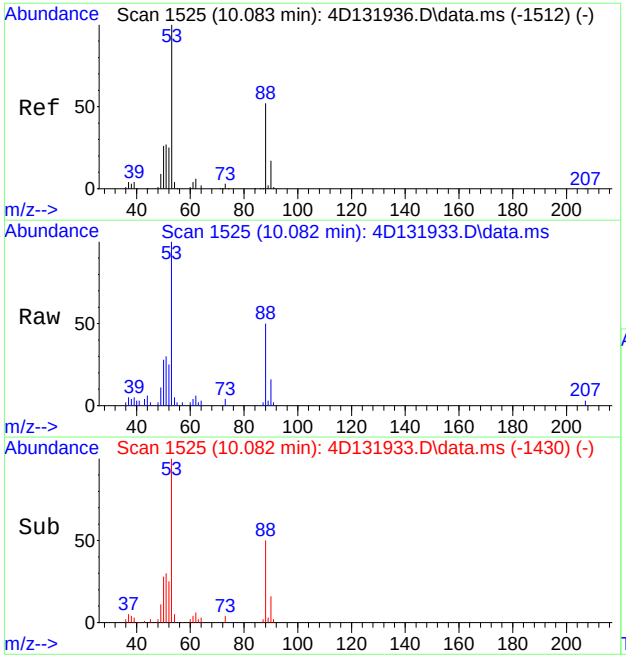


#28
1,1-dichloroethane
Concen: 3.66 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 63 Resp: 29880

Ion	Ratio	Lower	Upper
63	100		
65	30.8	0.9	60.9
83	12.7	0.0	42.3

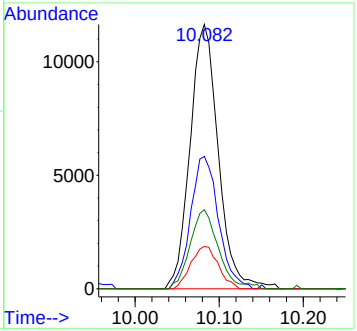


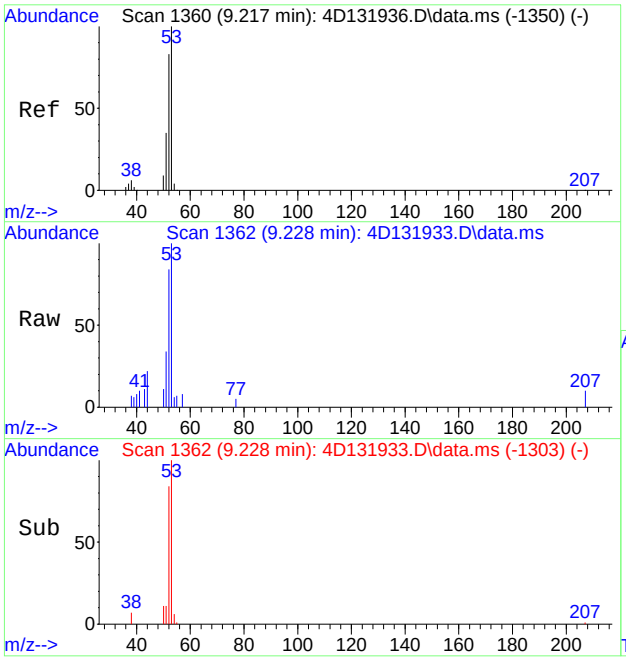


#29
chloroprene
Concen: 3.70 ug/L
RT: 10.082 min Scan# 1525
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 53 Resp: 27222

Ion	Ratio	Lower	Upper
53	100		
88	50.1	21.8	81.8
90	16.0	0.0	47.2
51	29.9	0.0	57.5

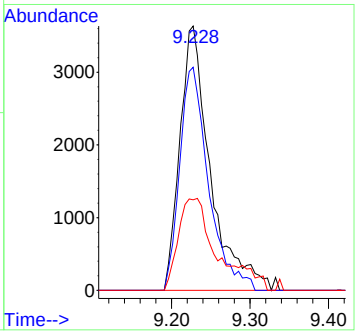


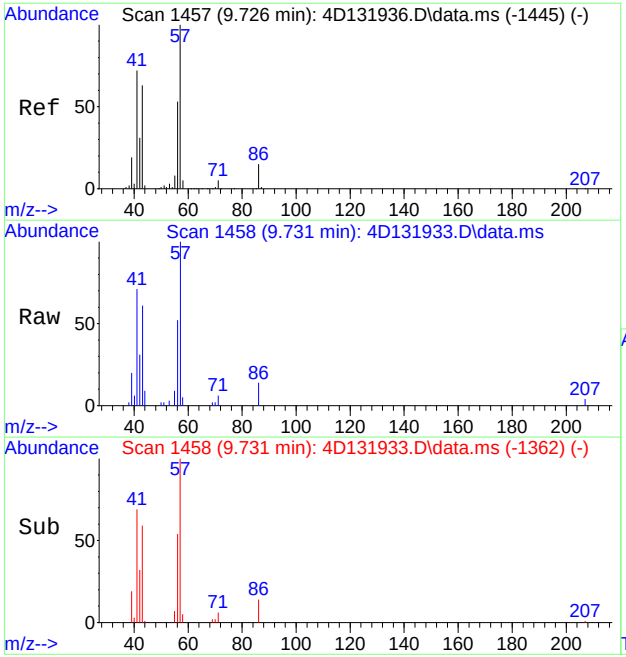


#30
acrylonitrile
Concen: 3.53 ug/L
RT: 9.228 min Scan# 1362
Delta R.T. 0.010 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 53 Resp: 9902

Ion	Ratio	Lower	Upper
53	100		
52	84.3	53.4	113.4
51	34.3	5.0	65.0

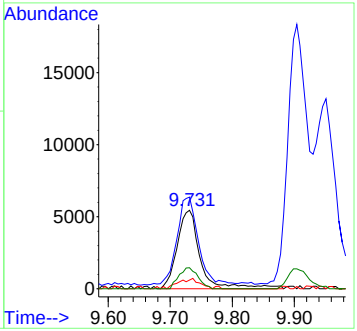


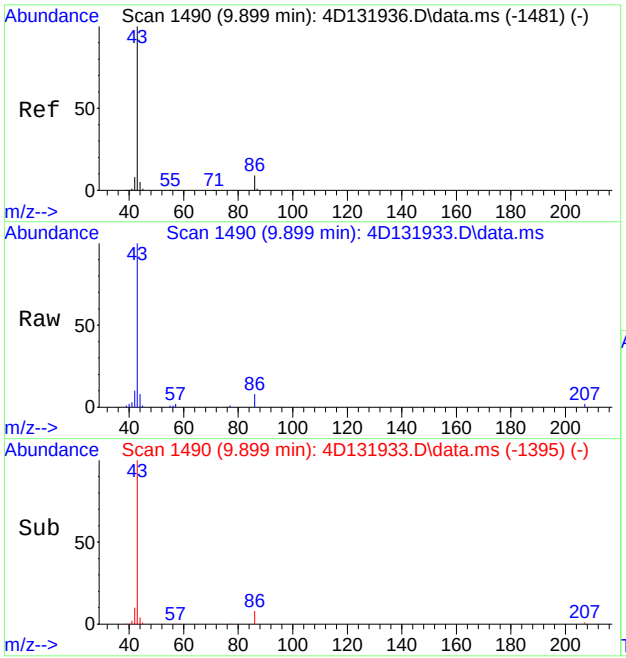


#31
hexane
Concen: 3.53 ug/L
RT: 9.731 min Scan# 1458
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 56 Resp: 14089

Ion	Ratio	Lower	Upper
56	100		
43	110.2	98.5	138.5
71	11.3	0.0	30.3
86	26.9	7.7	47.7

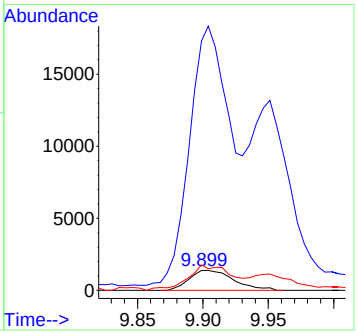


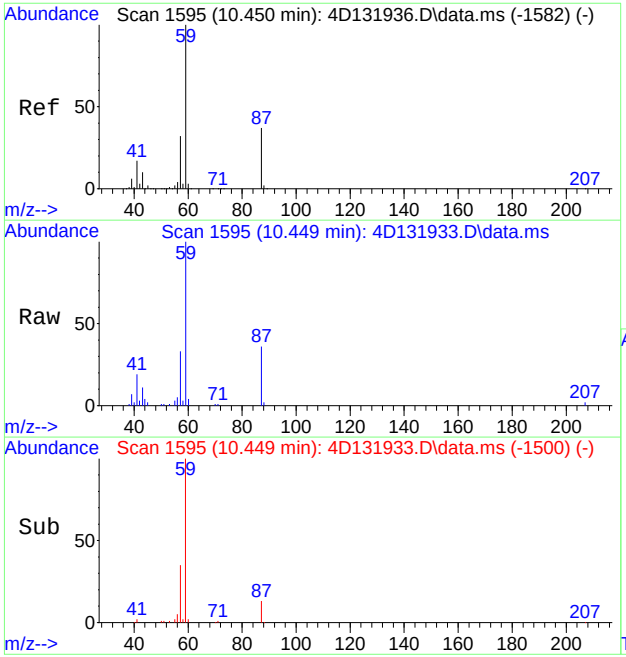


#32
vinyl acetate
Concen: 3.42 ug/L
RT: 9.899 min Scan# 1490
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 86 Resp: 3297

Ion	Ratio	Lower	Upper
86	100		
43	1202.7	1142.7	1202.7#
42	113.2	69.4	129.4

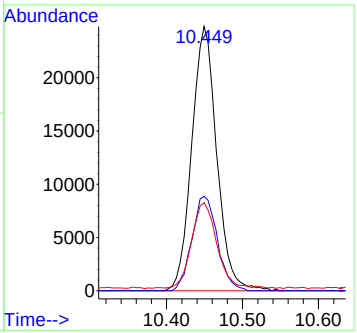


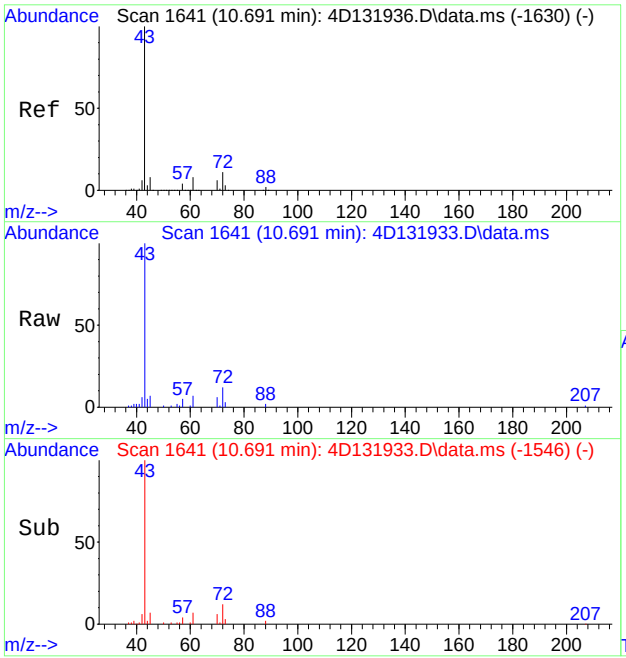


#33
ethyl tert-butyl ether
Concen: 3.61 ug/L
RT: 10.449 min Scan# 1595
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 59 Resp: 56837

Ion	Ratio	Lower	Upper
59	100		
87	35.7	6.6	66.6
57	32.4	2.2	62.2

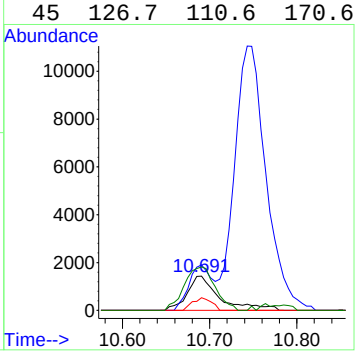


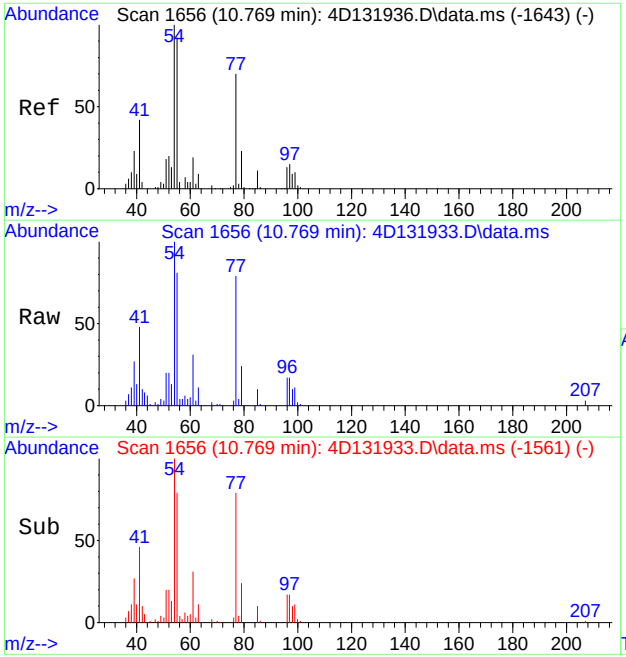


#34
ethyl acetate
Concen: 3.87 ug/L
RT: 10.691 min Scan# 1641
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 70 Resp: 3689

Ion	Ratio	Lower	Upper
70	100		
61	132.0	108.4	168.4
88	37.0	5.9	65.9
45	126.7	110.6	170.6

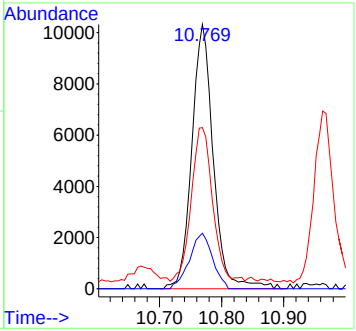


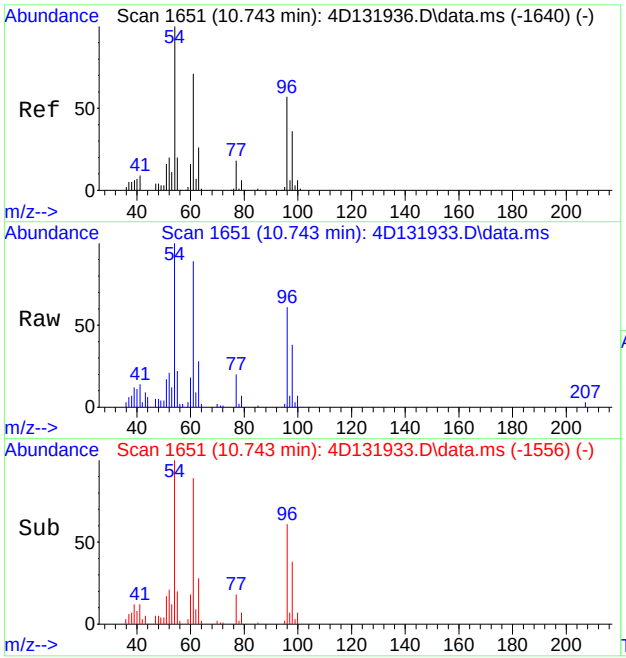


#35
2,2-dichloropropane
Concen: 3.46 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 77 Resp: 24923

Ion	Ratio	Lower	Upper
77	100		
97	21.0	0.0	51.9
41	57.8	29.6	89.6

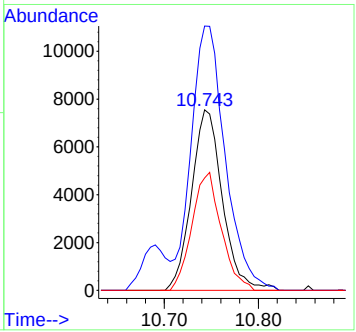


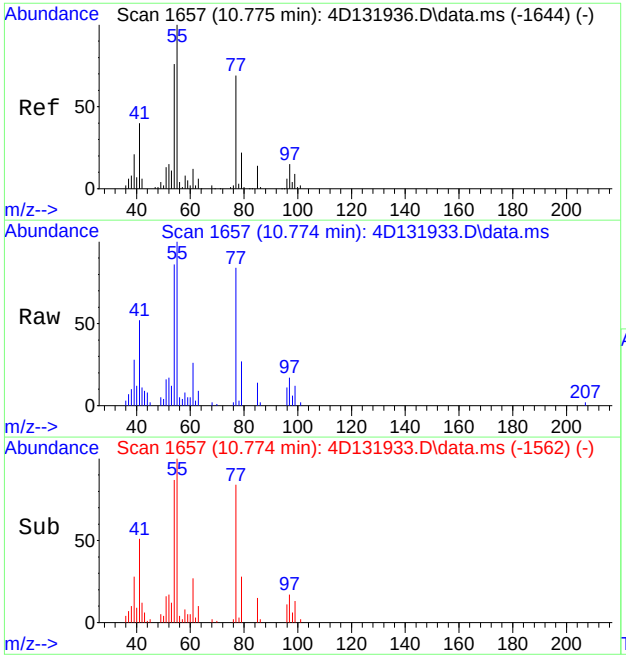


#36
cis-1,2-dichloroethene
Concen: 3.59 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 96 Resp: 17226

Ion	Ratio	Lower	Upper
96	100		
61	146.6	119.6	179.6
98	62.4	34.3	94.3

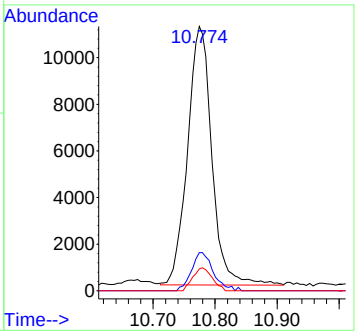


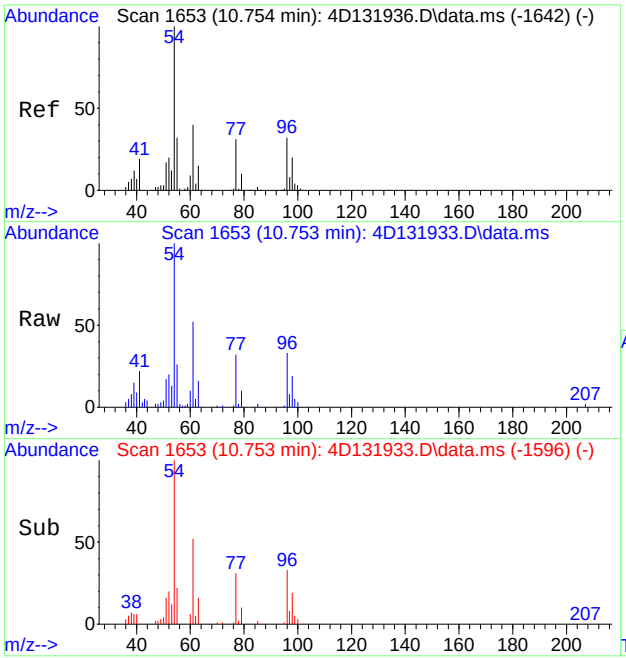


#37
methyl acrylate
Concen: 3.50 ug/L
RT: 10.774 min Scan# 1657
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 55 Resp: 30189

Ion	Ratio	Lower	Upper
55	100		
85	14.8	0.0	43.7
58	8.5	0.0	38.0

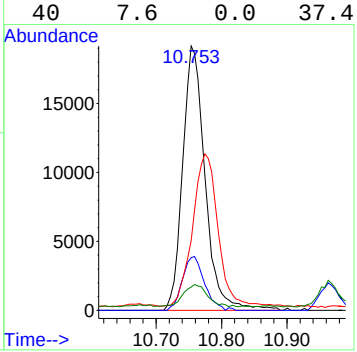


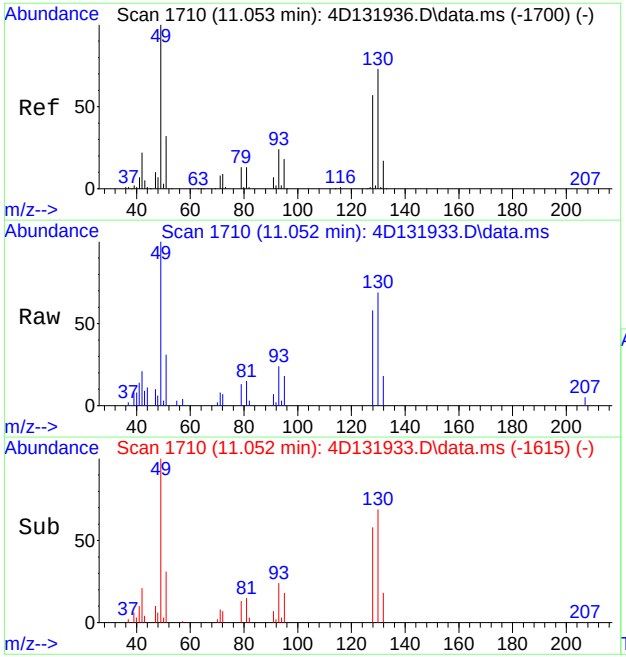


#38
propionitrile
Concen: 36.78 ug/L
RT: 10.753 min Scan# 1653
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 54 Resp: 45652

Ion	Ratio	Lower	Upper
54	100		
52	19.9	0.0	49.8
55	24.9	2.6	62.6
40	7.6	0.0	37.4

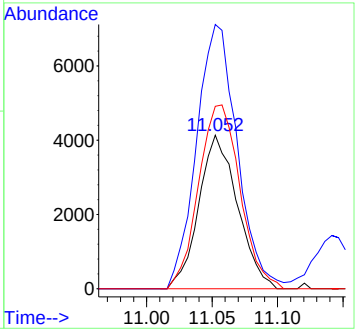


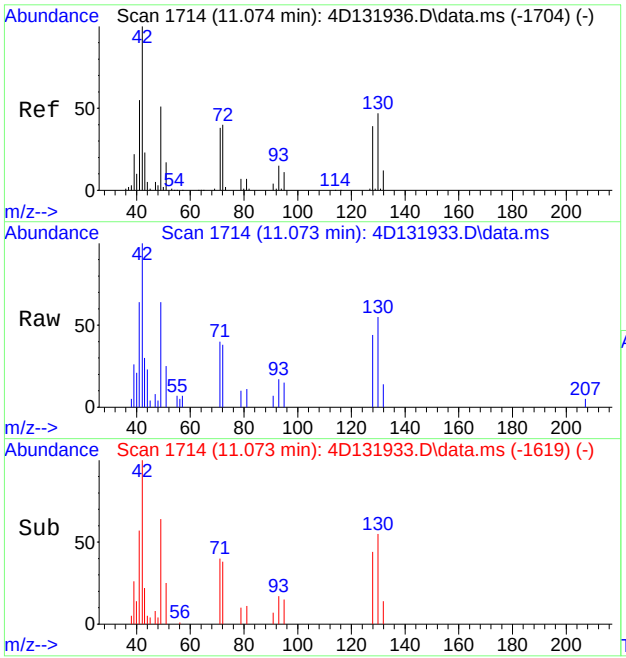


#39
bromochloromethane
Concen: 3.61 ug/L
RT: 11.052 min Scan# 1710
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:128 Resp: 8535

Ion	Ratio	Lower	Upper
128	100		
49	172.1	145.9	205.9
130	118.8	97.8	157.8

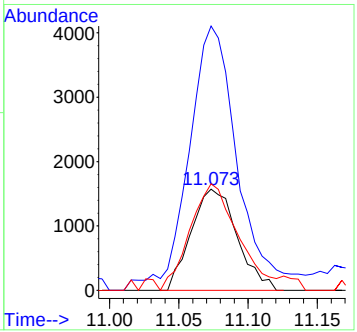


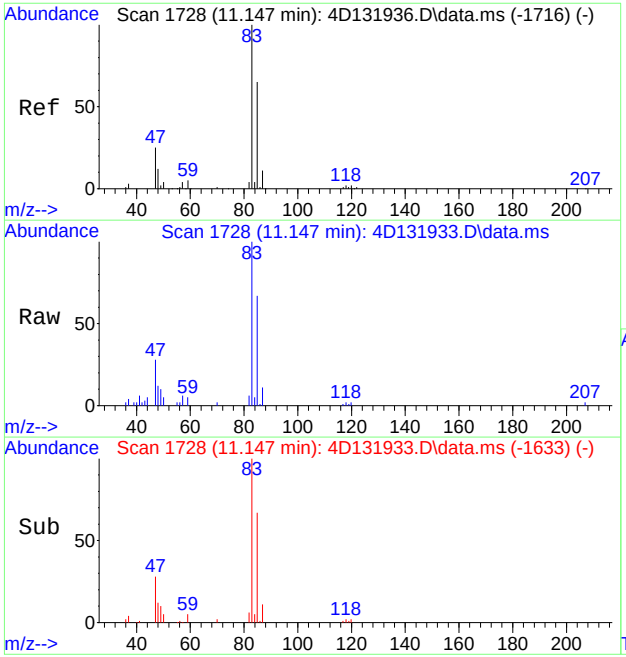


#40
tetrahydrofuran
Concen: 3.49 ug/L
RT: 11.073 min Scan# 1714
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 72 Resp: 3628

Ion	Ratio	Lower	Upper
72	100		
42	249.7	219.9	279.9
71	105.2	66.1	126.1

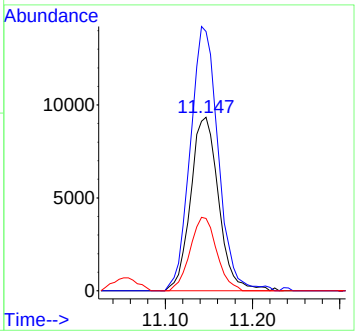


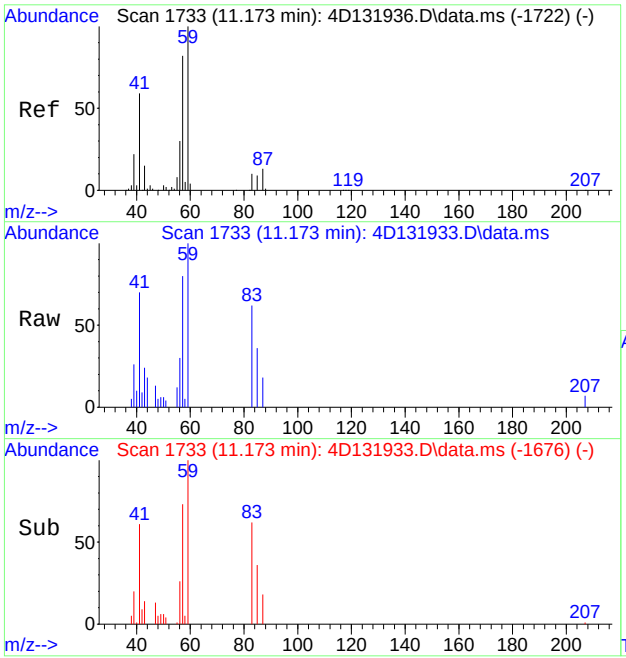


#41
chloroform
Concen: 2.98 ug/L
RT: 11.147 min Scan# 1728
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 85 Resp: 20865

Ion	Ratio	Lower	Upper
85	100		
83	149.4	123.5	183.5
47	41.7	9.8	69.8

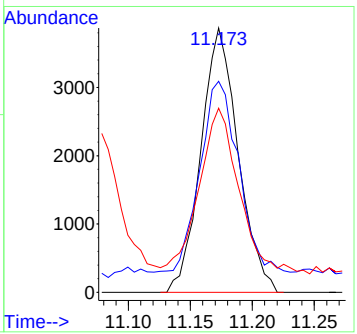


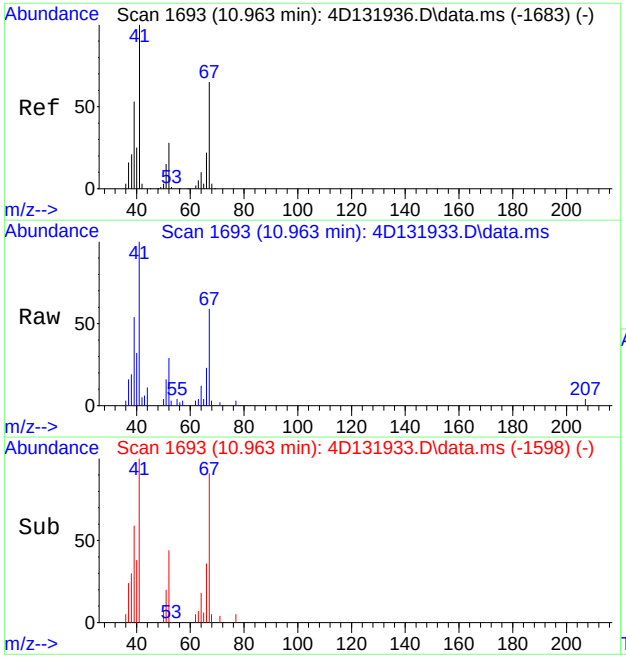


#42
t-butyl formate
Concen: 3.97 ug/L
RT: 11.173 min Scan# 1733
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 59 Resp: 8083

Ion	Ratio	Lower	Upper
59	100		
57	71.8	51.8	111.8
41	60.3	32.4	92.4

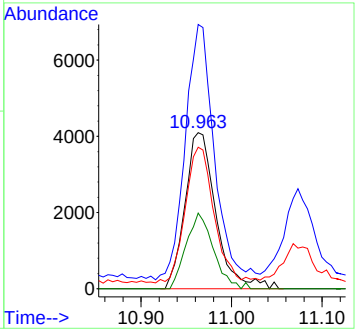


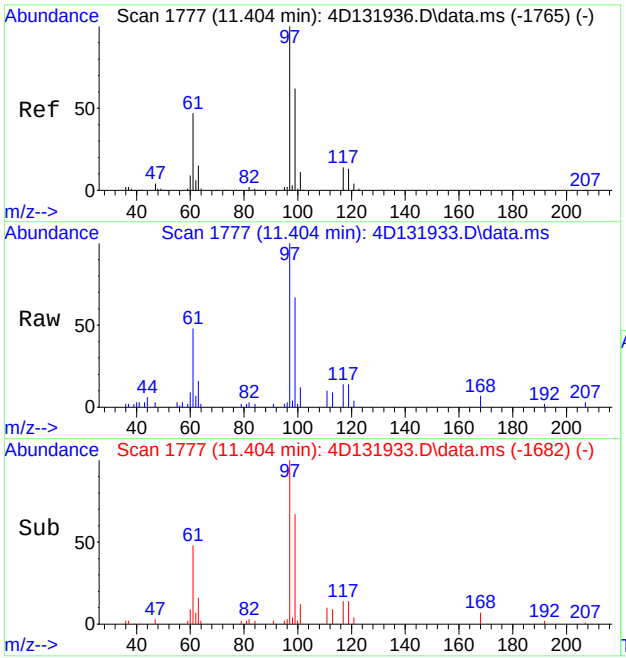


#44
methacrylonitrile
Concen: 3.58 ug/L
RT: 10.963 min Scan# 1693
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 67 Resp: 9705

Ion	Ratio	Lower	Upper
67	100		
41	160.4	123.0	183.0
39	84.7	50.9	110.9
52	48.5	12.9	72.9

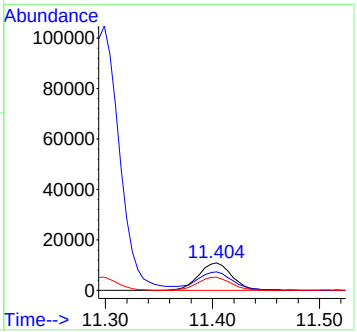


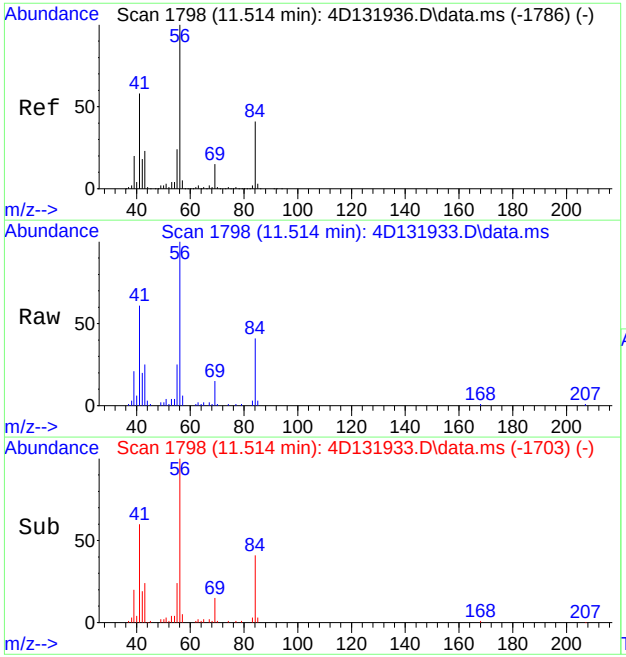


#45
1,1,1-trichloroethane
Concen: 3.66 ug/L
RT: 11.404 min Scan# 1777
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 97 Resp: 23552

Ion	Ratio	Lower	Upper
97	100		
99	67.1	34.4	94.4
61	47.5	16.6	76.6

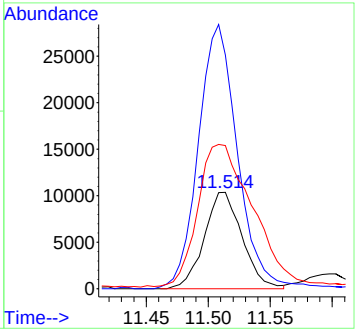


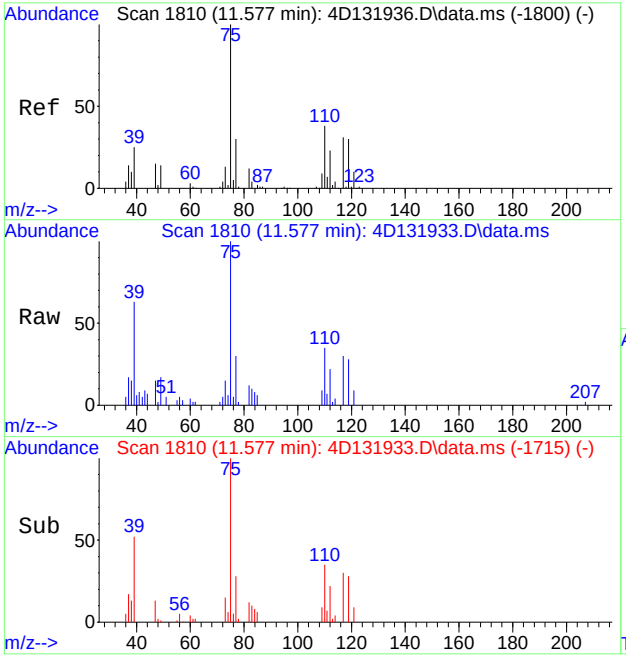


#46
cyclohexane
Concen: 3.69 ug/L
RT: 11.514 min Scan# 1798
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 84 Resp: 22045

Ion	Ratio	Lower	Upper
84	100		
56	240.1	225.3	265.3
41	145.6	121.5	161.5

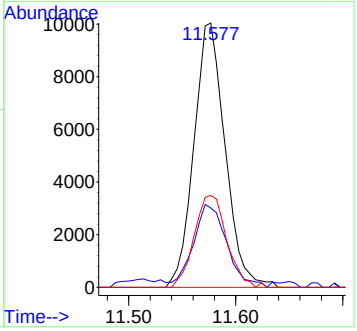


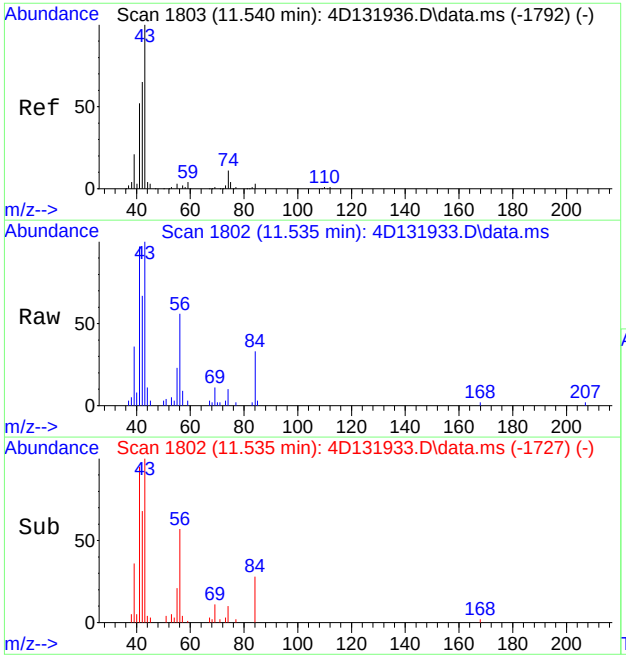


#47
1,1-dichloropropene
Concen: 3.76 ug/L
RT: 11.577 min Scan# 1810
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 75 Resp: 20374

Ion	Ratio	Lower	Upper
75	100		
77	28.2	11.0	51.0
110	34.7	17.6	57.6

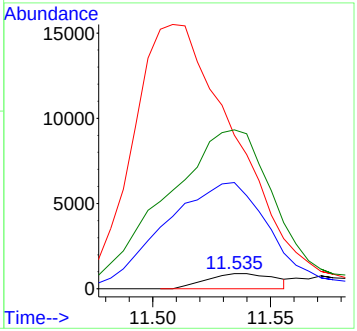


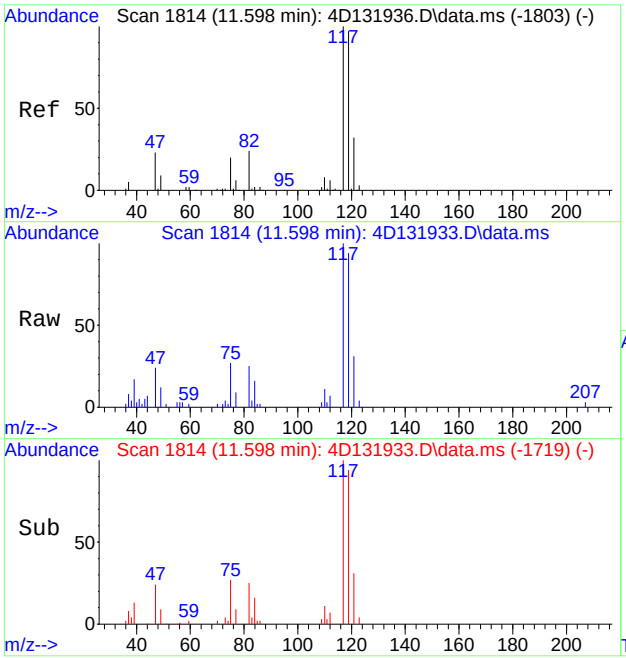


#48
isobutyl alcohol
Concen: 34.86 ug/L
RT: 11.535 min Scan# 1802
Delta R.T. -0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 74 Resp: 1812

Ion	Ratio	Lower	Upper
74	100		
42	459.2	546.1	606.1#
41	674.7	593.5	653.5#
43	605.3	856.3	916.3#

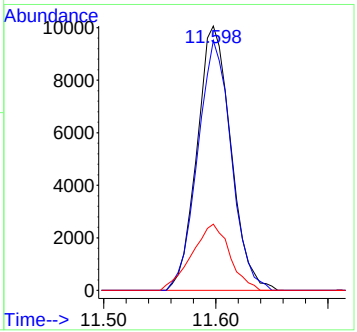


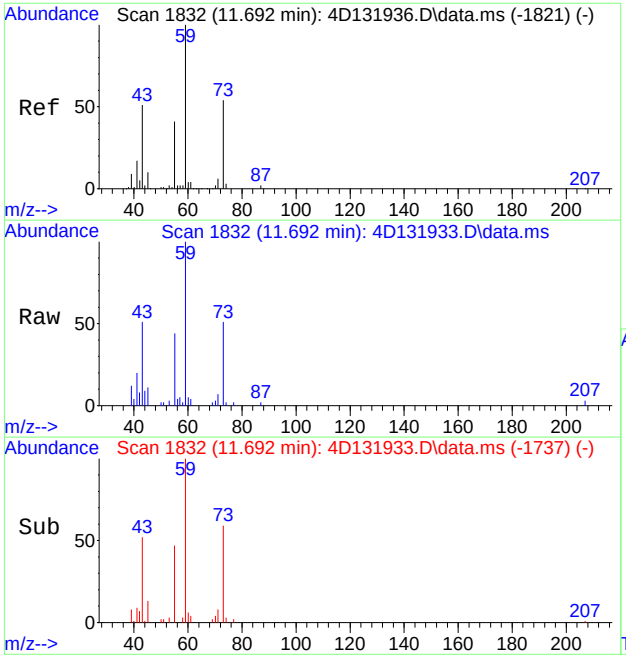


#49
carbon tetrachloride
Concen: 3.85 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:117 Resp: 21150

Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.2	117.2
82	25.1	4.2	44.2

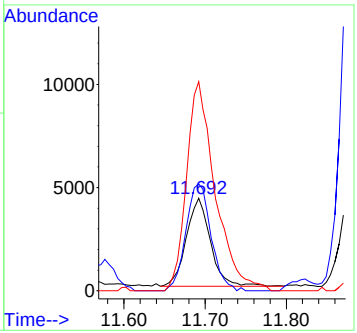


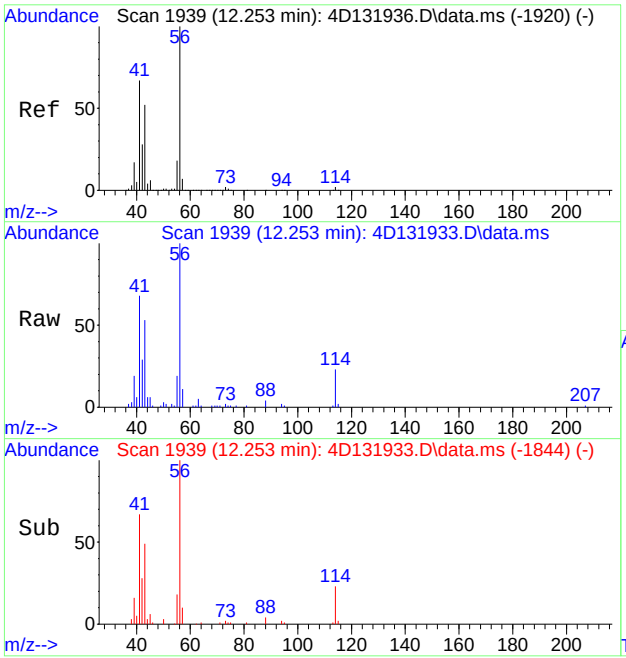


#50
tert amyl alcohol
Concen: 17.99 ug/L
RT: 11.692 min Scan# 1832
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 55 Resp: 8911

Ion	Ratio	Lower	Upper
55	100		
73	121.0	100.3	160.3
59	237.1	213.3	273.3

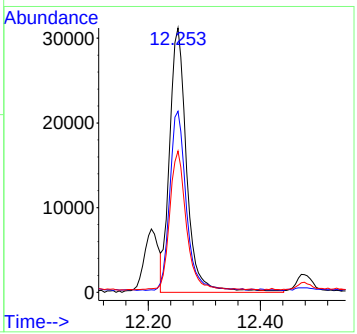


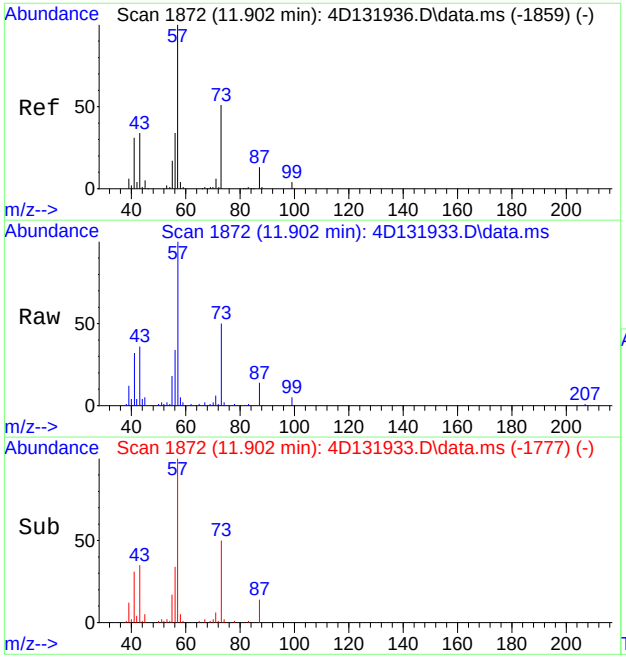


#53
n-butyl alcohol
Concen: 181.53 ug/L
RT: 12.253 min Scan# 1939
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 56 Resp: 66253

Ion	Ratio	Lower	Upper
56	100		
41	68.1	36.6	96.6
43	52.6	22.4	82.4

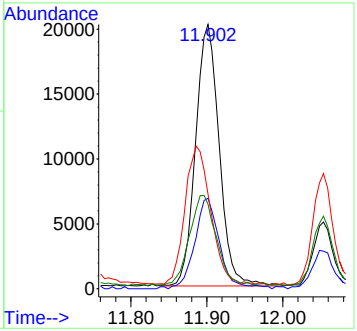


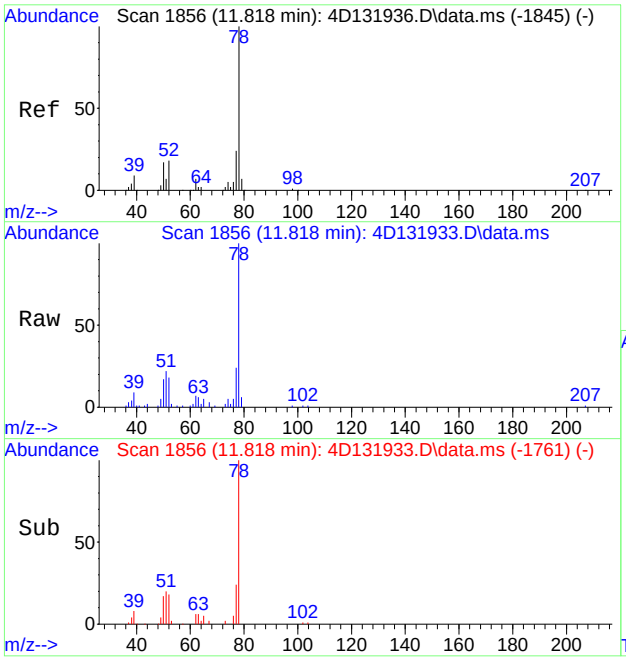


#54
2,2,4-trimethylpentane
Concen: 3.44 ug/L
RT: 11.902 min Scan# 1872
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 57 Resp: 43636

Ion	Ratio	Lower	Upper
57	100		
56	33.8	3.6	63.6
43	34.3	4.6	64.6
41	30.8	0.9	60.9

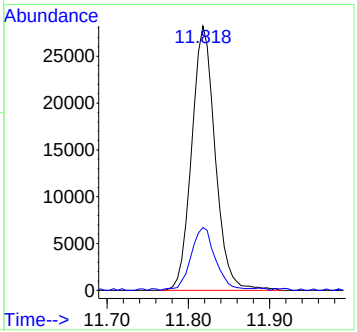


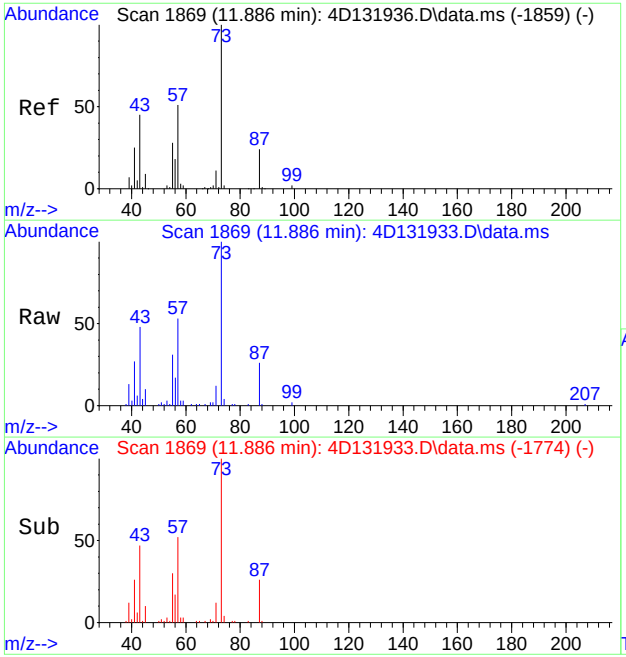


#55
benzene
Concen: 3.55 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 78 Resp: 56708

Ion	Ratio	Lower	Upper
78	100		
77	23.7	0.0	53.7

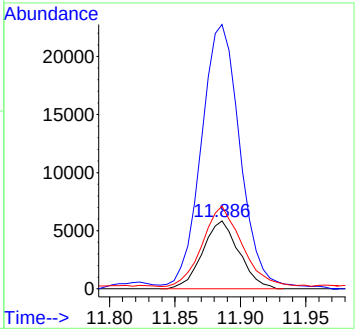


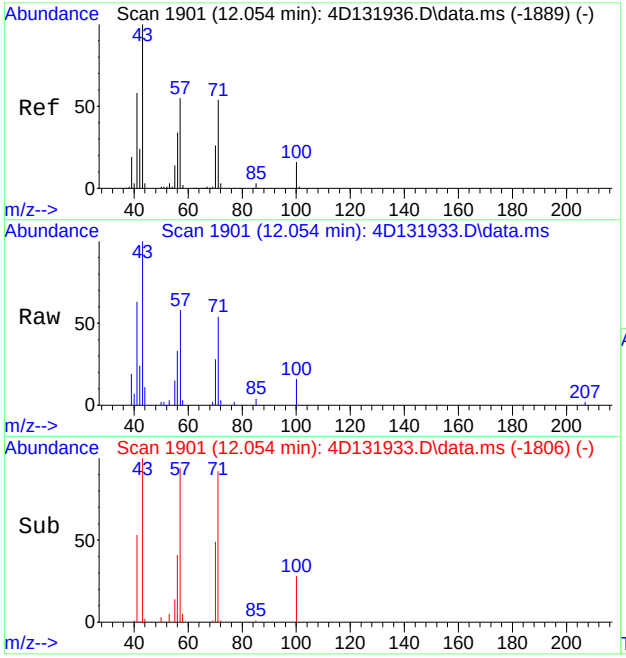


#56
tert-amyl methyl ether
Concen: 3.77 ug/L
RT: 11.886 min Scan# 1869
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 87 Resp: 11344

Ion	Ratio	Lower	Upper
87	100		
73	384.8	382.6	442.6
55	118.6	85.4	145.4

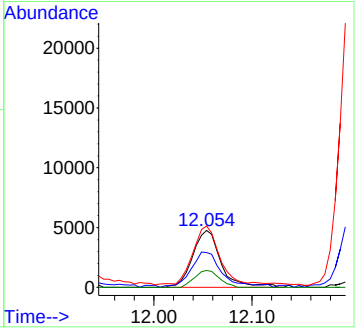


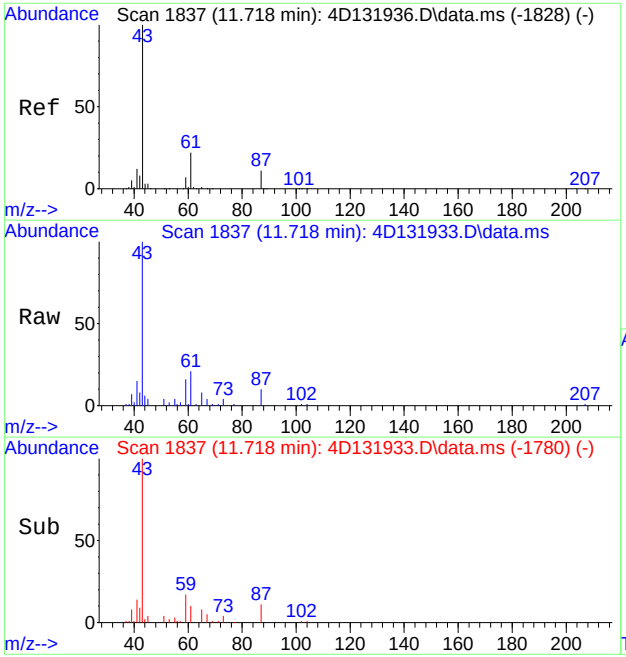


#57
heptane
Concen: 3.46 ug/L
RT: 12.054 min Scan# 1901
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 71 Resp: 9510

Ion	Ratio	Lower	Upper
71	100		
56	60.9	33.0	93.0
57	101.8	72.2	132.2
100	29.7	0.3	60.3

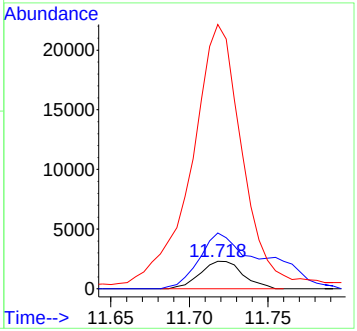


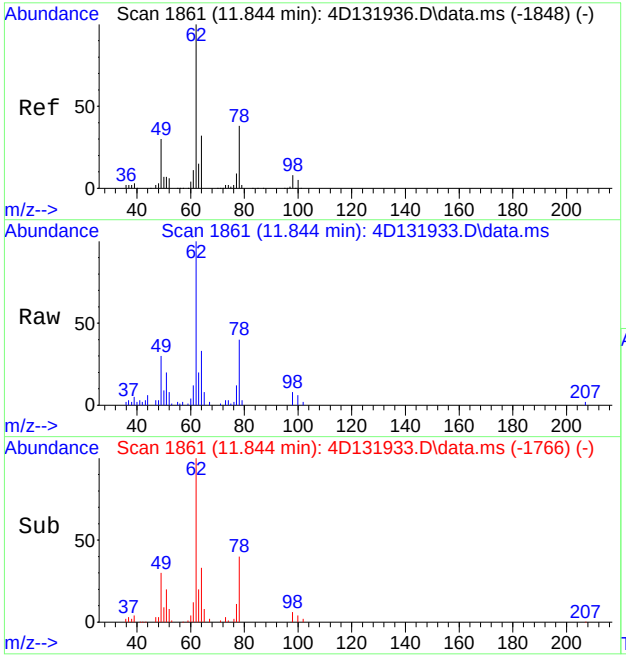


#58
isopropyl acetate
Concen: 3.72 ug/L
RT: 11.718 min Scan# 1837
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 87 Resp: 4370

Ion	Ratio	Lower	Upper
87	100		
61	203.4	170.1	230.1
43	912.2	919.0	979.0#

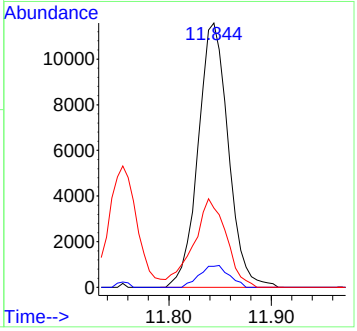


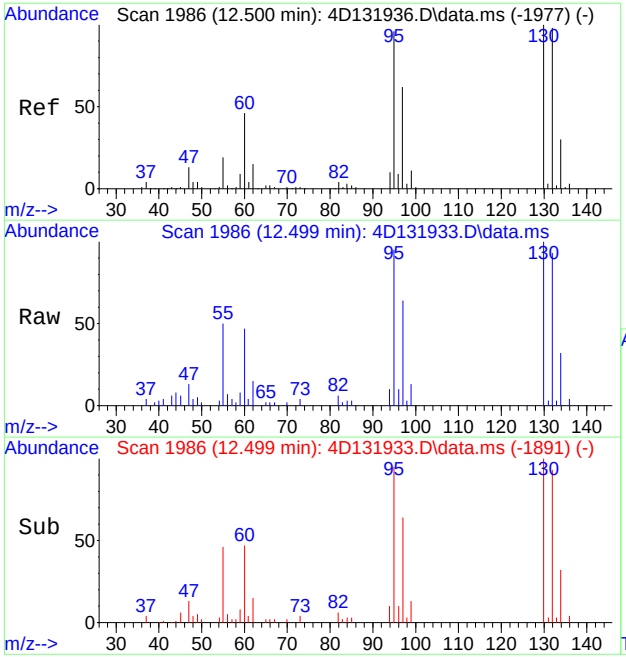


#59
1,2-dichloroethane
Concen: 3.46 ug/L
RT: 11.844 min Scan# 1861
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 62 Resp: 23765

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	38.5
49	30.0	1.1	61.1

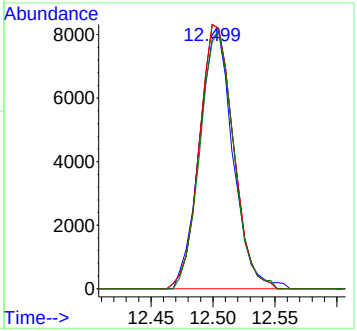


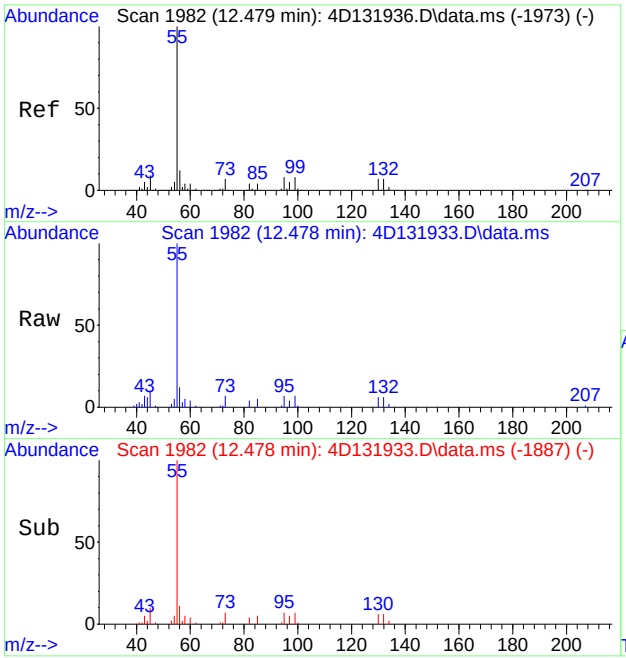


#60
trichloroethene
Concen: 3.70 ug/L
RT: 12.499 min Scan# 1986
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:130 Resp: 15877

Ion	Ratio	Lower	Upper
130	100		
95	94.6	65.8	125.8
130	100.0	70.0	130.0
132	93.2	67.8	127.8

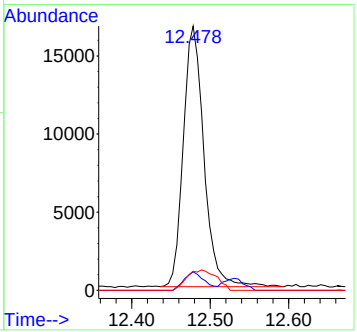


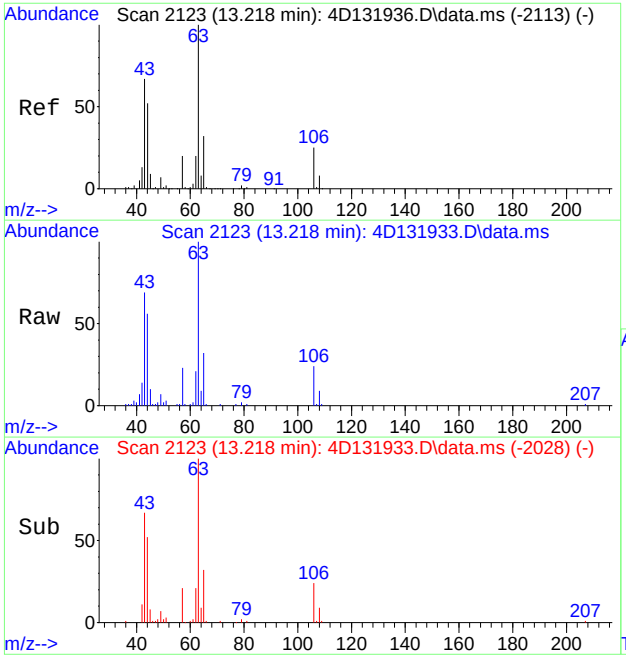


#61
ethyl acrylate
Concen: 3.64 ug/L
RT: 12.478 min Scan# 1982
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 55 Resp: 30648

Ion	Ratio	Lower	Upper
55	100		
73	7.1	0.0	26.5
99	7.4	0.0	27.5

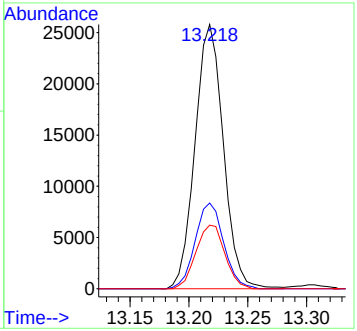


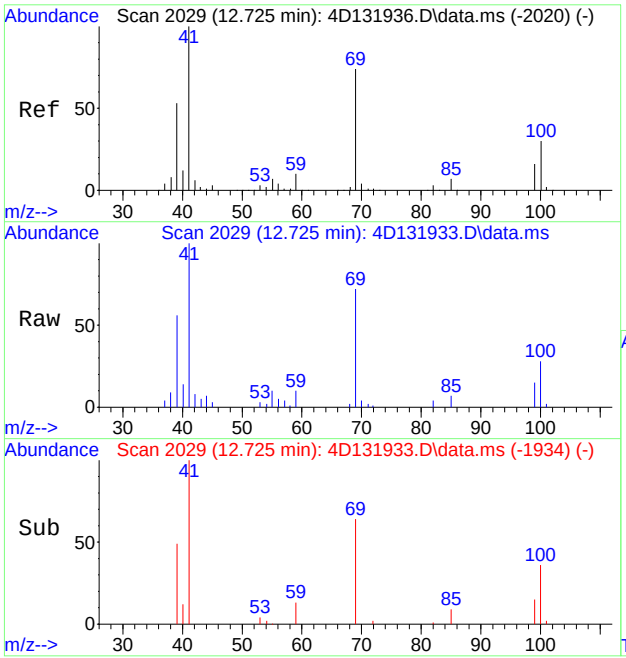


#63
2-chloroethyl vinyl ether
Concen: 17.93 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 63 Resp: 43298

Ion	Ratio	Lower	Upper
63	100		
65	32.5	1.7	61.7
106	24.1	0.0	55.3

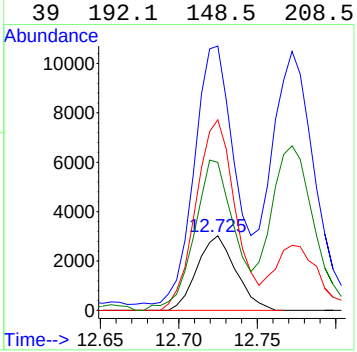


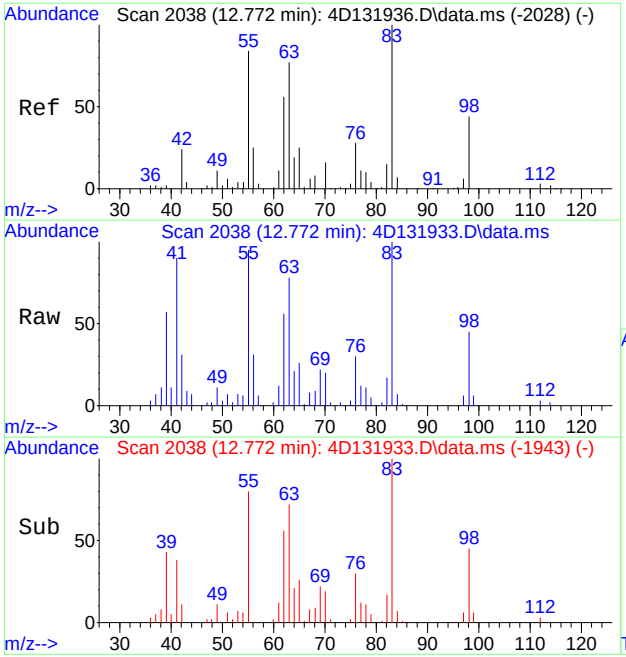


#64
methyl methacrylate
Concen: 3.39 ug/L
RT: 12.725 min Scan# 2029
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:100 Resp: 5158

Ion	Ratio	Lower	Upper
100	100		
41	343.8	304.3	364.3
69	255.7	217.8	277.8
39	192.1	148.5	208.5

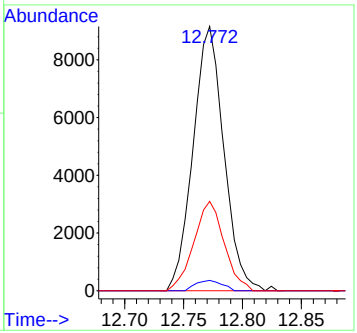


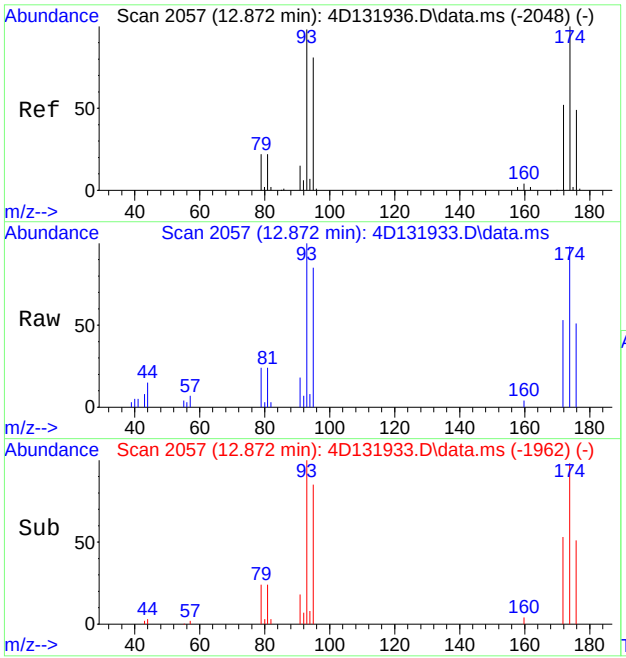


#65
1,2-dichloropropane
Concen: 3.70 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 63 Resp: 16698

Ion	Ratio	Lower	Upper
63	100		
112	4.0	0.0	33.7
65	33.8	1.9	61.9

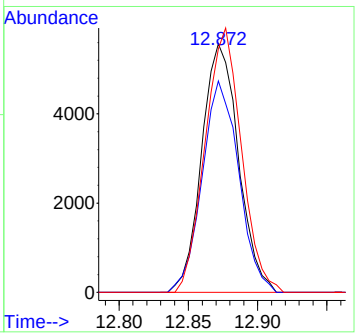


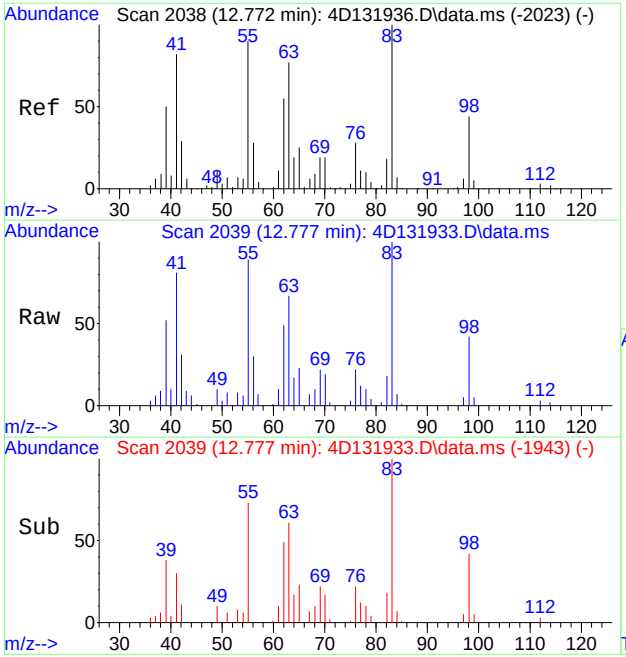


#66
dibromomethane
Concen: 3.56 ug/L
RT: 12.872 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 93 Resp: 10286

Ion	Ratio	Lower	Upper
93	100		
95	85.0	52.6	112.6
174	98.0	72.4	132.4

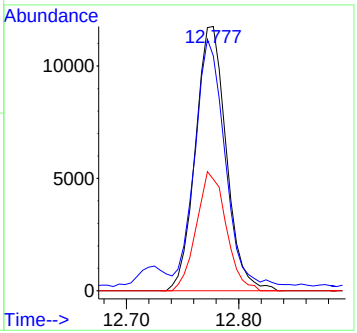


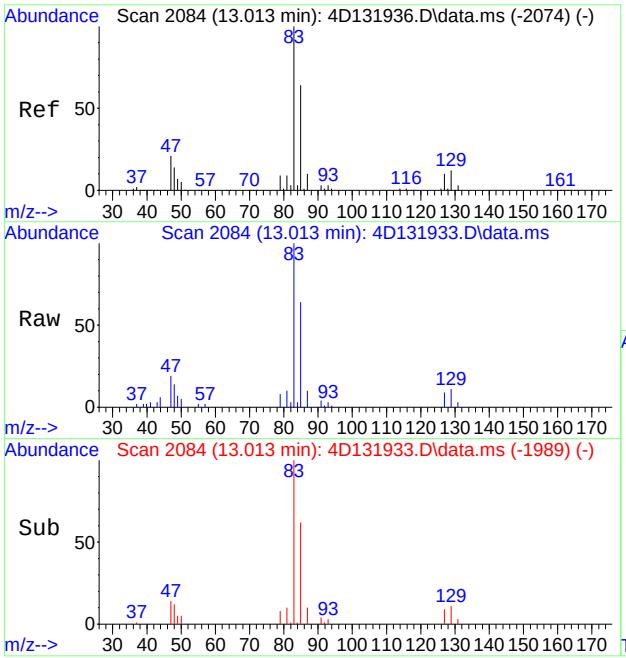


#67
methylcyclohexane
Concen: 3.59 ug/L
RT: 12.777 min Scan# 2039
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 83 Resp: 22511

Ion	Ratio	Lower	Upper
83	100		
55	86.4	60.5	120.5
98	42.2	14.1	74.1

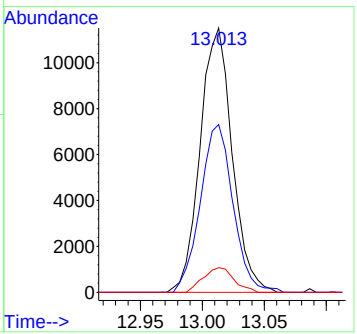


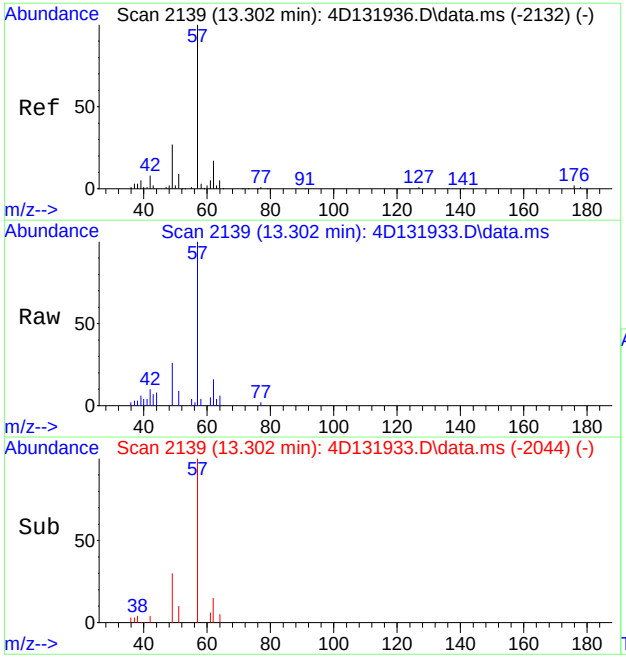


#68
bromodichloromethane
Concen: 3.47 ug/L
RT: 13.013 min Scan# 2084
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 83 Resp: 20719

Ion	Ratio	Lower	Upper
83	100		
85	63.5	34.4	94.4
127	9.4	0.0	39.7

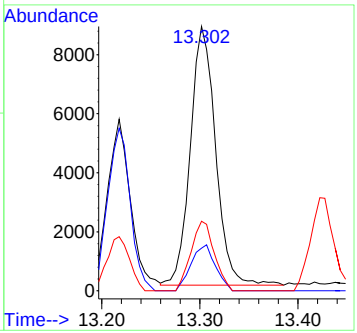


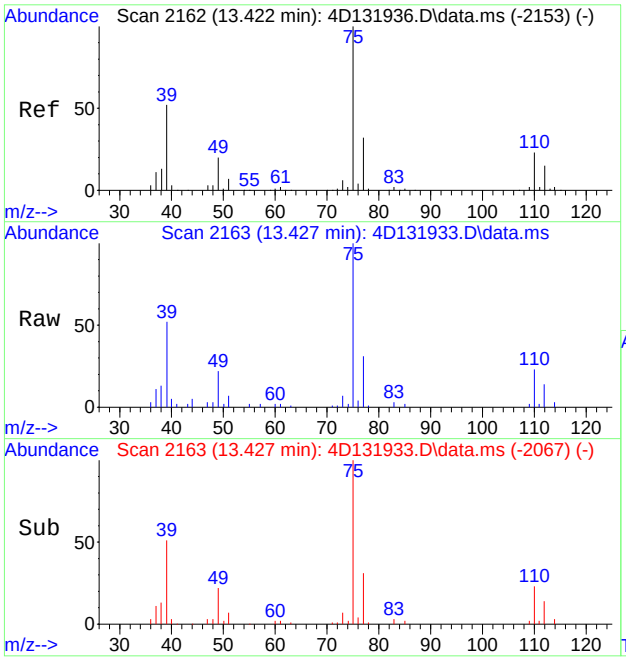


#69
epichlorohydrin
Concen: 17.61 ug/L
RT: 13.302 min Scan# 2139
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 57 Resp: 15742

Ion	Ratio	Lower	Upper
57	100		
62	16.4	0.0	37.4
49	26.8	6.8	46.8

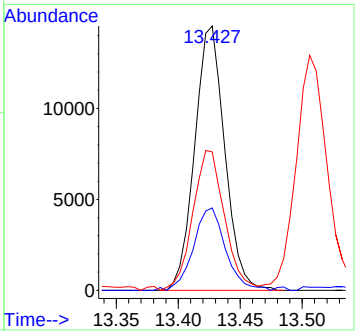


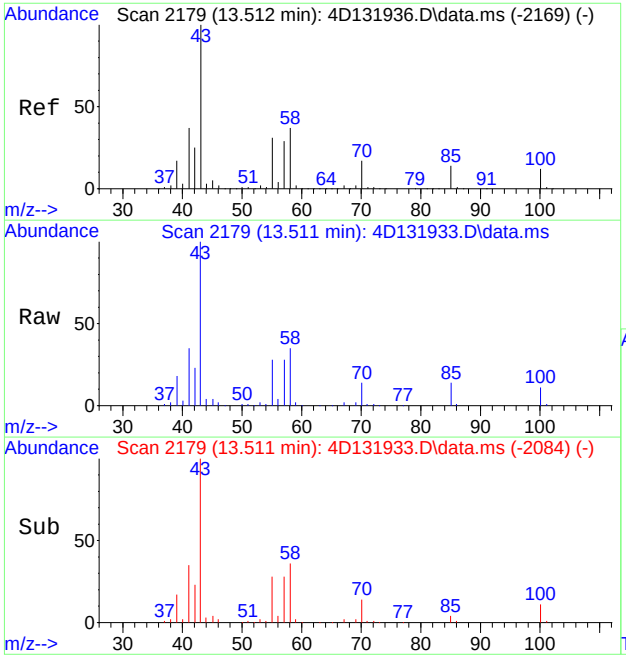


#70
cis-1,3-dichloropropene
Concen: 3.55 ug/L
RT: 13.427 min Scan# 2163
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 75 Resp: 24582

Ion	Ratio	Lower	Upper
75	100		
77	30.1	1.9	61.9
39	52.3	22.1	82.1

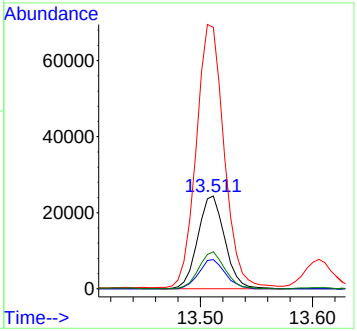


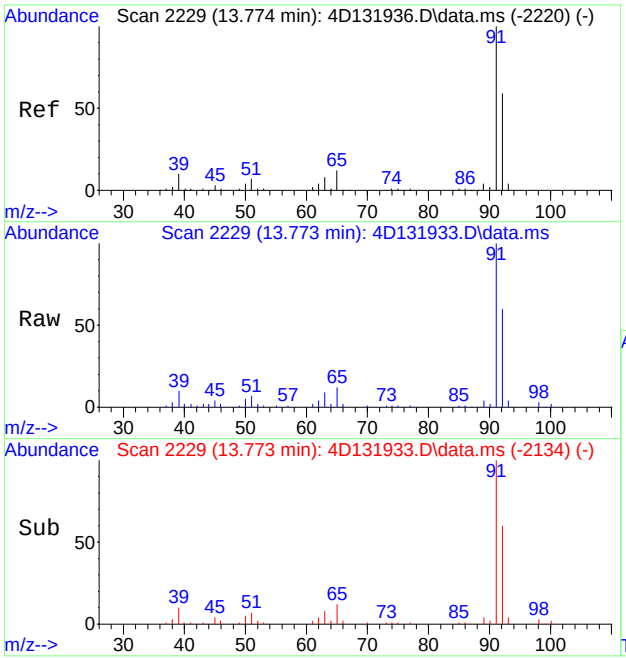


#71
4-methyl-2-pentanone
Concen: 14.70 ug/L
RT: 13.511 min Scan# 2179
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 58 Resp: 41093

Ion	Ratio	Lower	Upper
58	100		
100	31.6	2.6	62.6
43	280.3	244.0	304.0
85	40.0	8.9	68.9

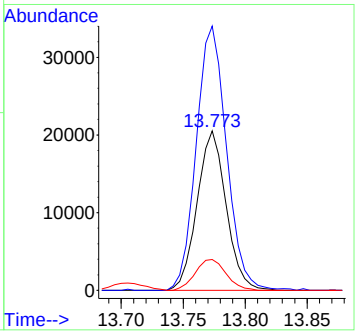


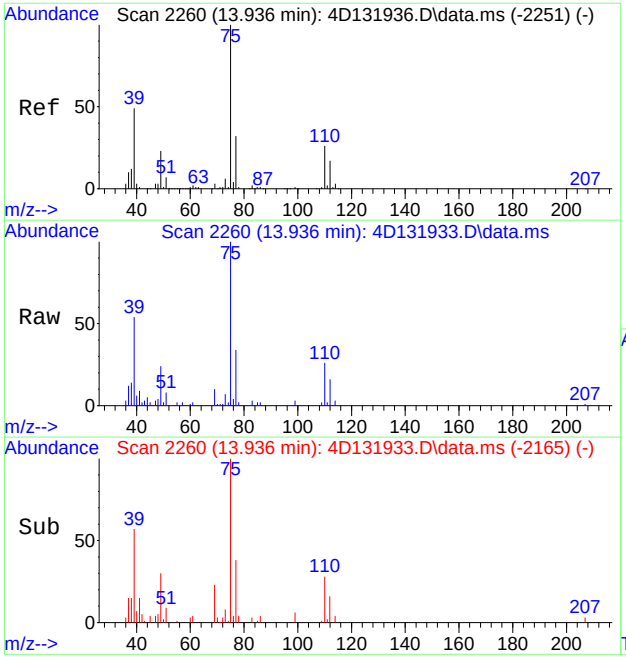


#75
toluene
Concen: 3.54 ug/L
RT: 13.773 min Scan# 2229
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 92 Resp: 33438

Ion	Ratio	Lower	Upper
92	100		
91	165.8	150.1	190.1
65	19.3	0.0	39.8

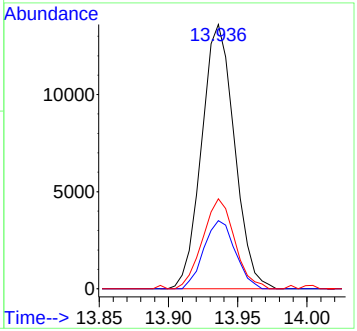


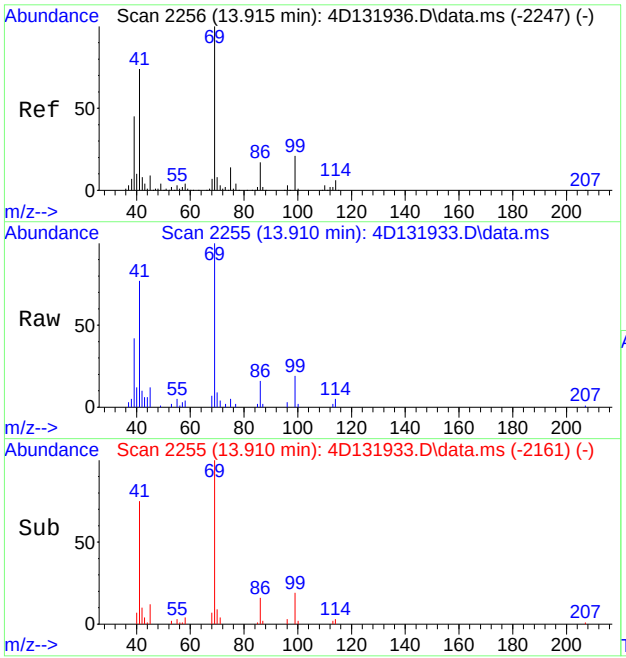


#76
trans-1,3-dichloropropene
Concen: 3.61 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 75 Resp: 22417

Ion	Ratio	Lower	Upper
75	100		
110	25.8	5.6	45.6
77	34.0	12.5	52.5

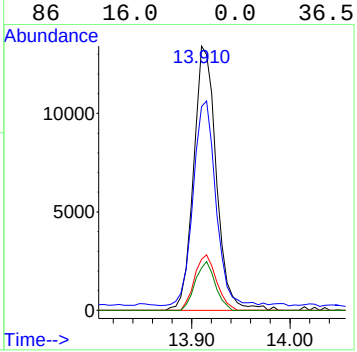


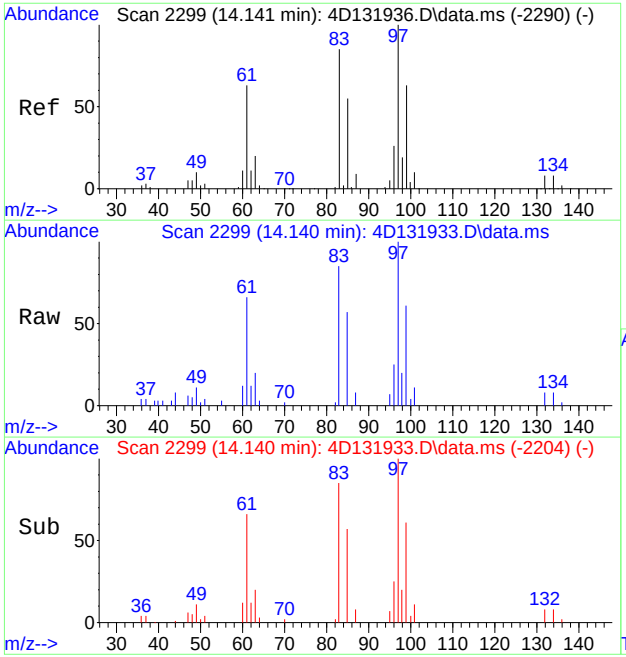


#77
ethyl methacrylate
Concen: 3.42 ug/L
RT: 13.910 min Scan# 2255
Delta R.T. -0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 69 Resp: 21630

Ion	Ratio	Lower	Upper
69	100		
41	75.2	53.7	93.7
99	19.3	0.5	40.5
86	16.0	0.0	36.5

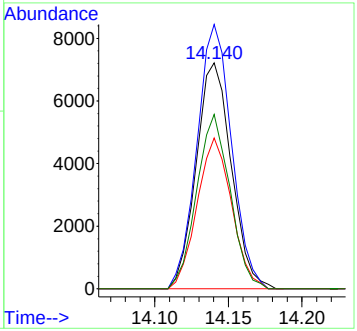


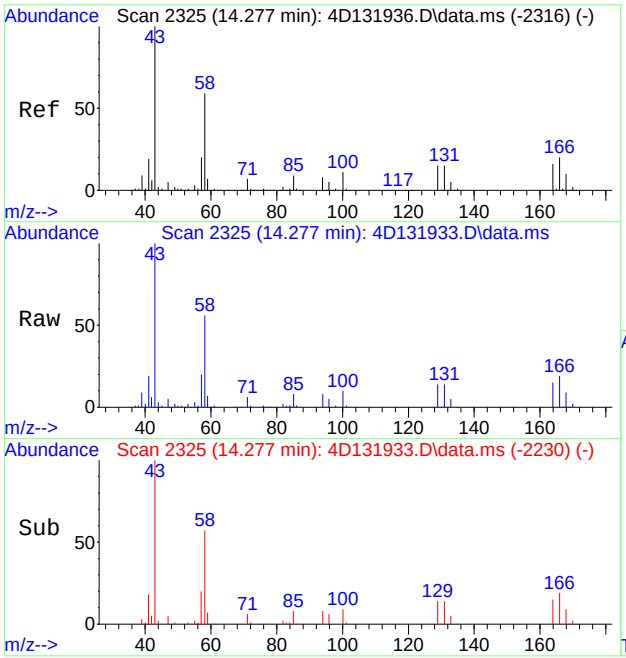


#78
1,1,2-trichloroethane
Concen: 3.53 ug/L
RT: 14.140 min Scan# 2299
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 83 Resp: 11985

Ion	Ratio	Lower	Upper
83	100		
97	117.1	98.0	138.0
85	66.8	44.8	84.8
61	77.2	54.1	94.1

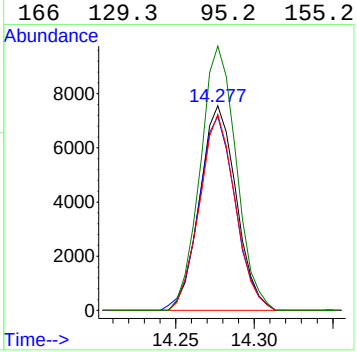


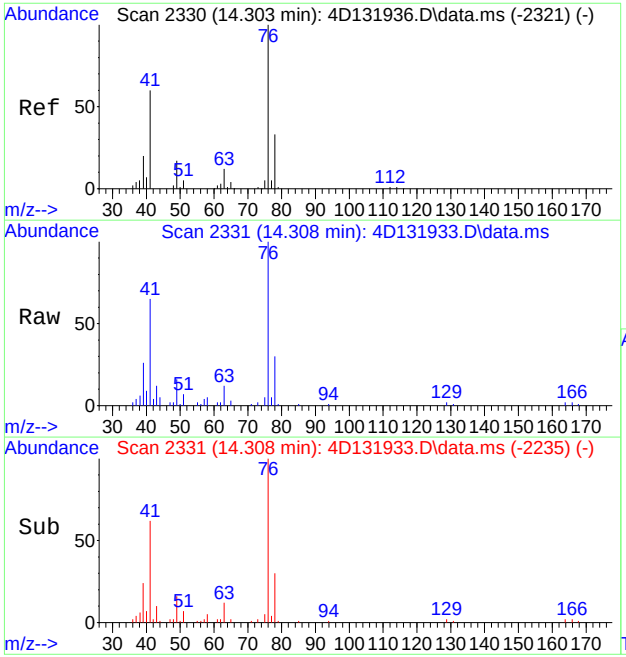


#79
tetrachloroethene
Concen: 3.75 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:164 Resp: 12192

Ion	Ratio	Lower	Upper
164	100		
129	94.9	63.3	123.3
131	95.9	59.8	119.8
166	129.3	95.2	155.2

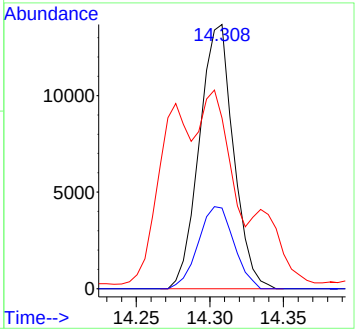


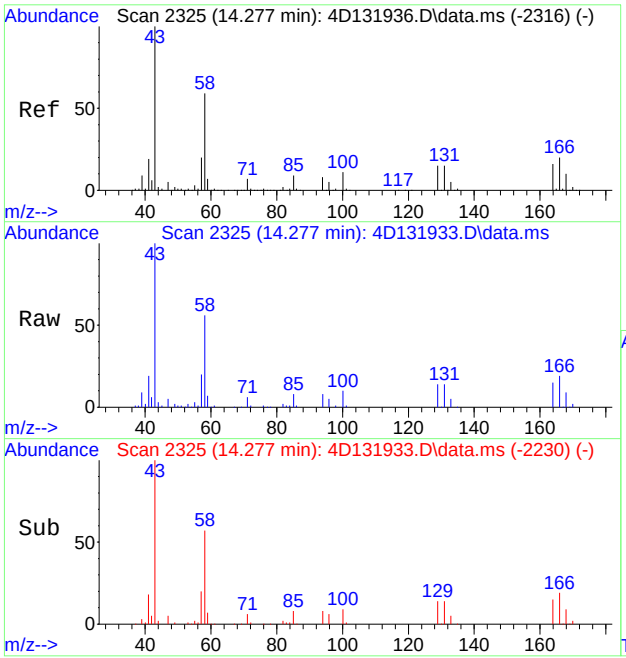


#80
1,3-dichloropropane
Concen: 3.69 ug/L
RT: 14.308 min Scan# 2331
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 76 Resp: 22018

Ion	Ratio	Lower	Upper
76	100		
78	30.5	2.5	62.5
41	51.4	40.0	100.0

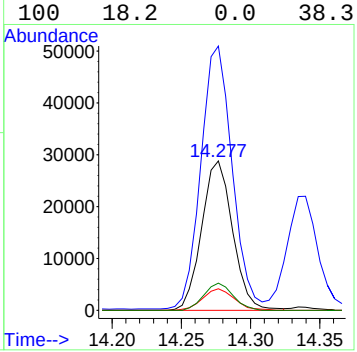


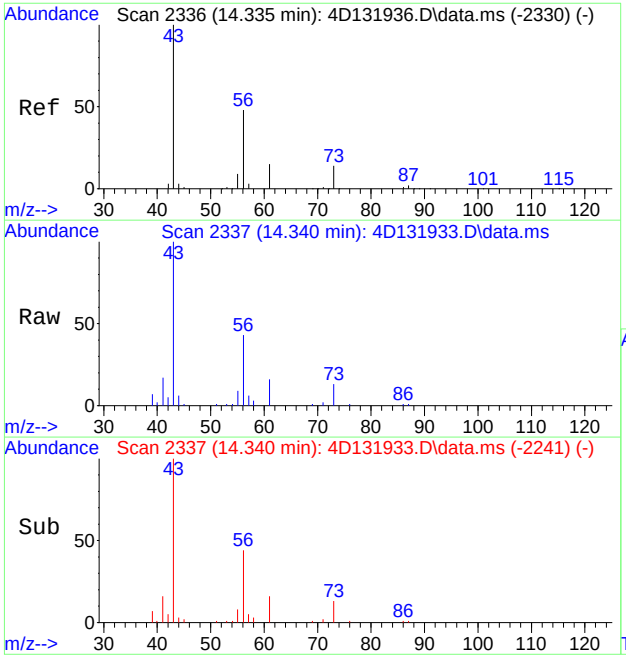


#81
2-hexanone
Concen: 15.06 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 58 Resp: 44863

Ion	Ratio	Lower	Upper
58	100		
43	176.1	149.1	189.1
85	14.4	0.0	34.7
100	18.2	0.0	38.3

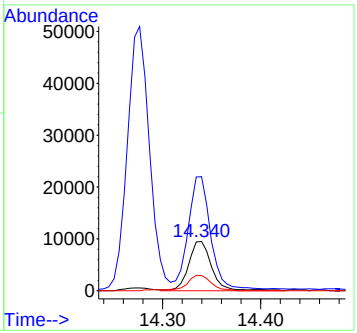


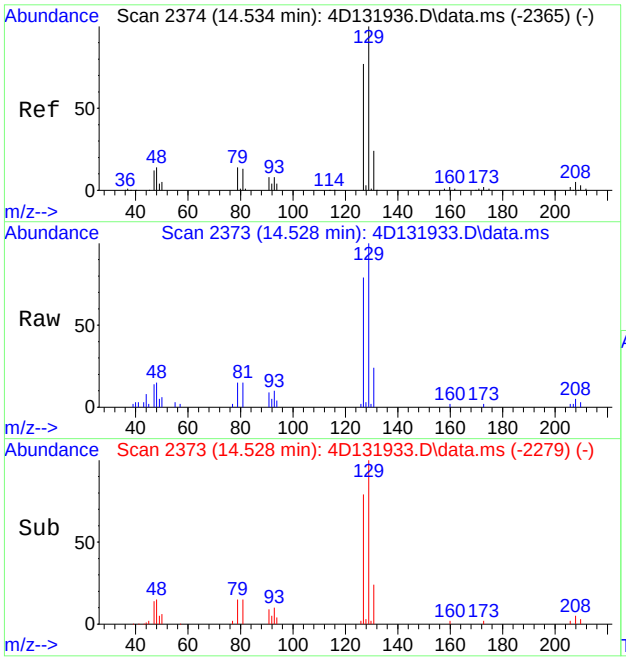


#82
butyl acetate
Concen: 3.53 ug/L
RT: 14.340 min Scan# 2337
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 56 Resp: 15665

Ion	Ratio	Lower	Upper
56	100		
43	227.0	196.2	256.2
73	30.7	0.0	59.9

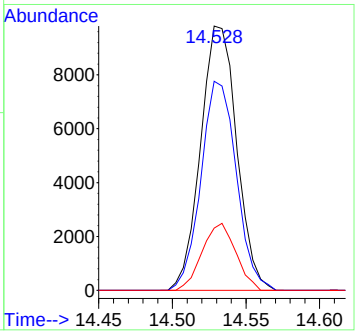


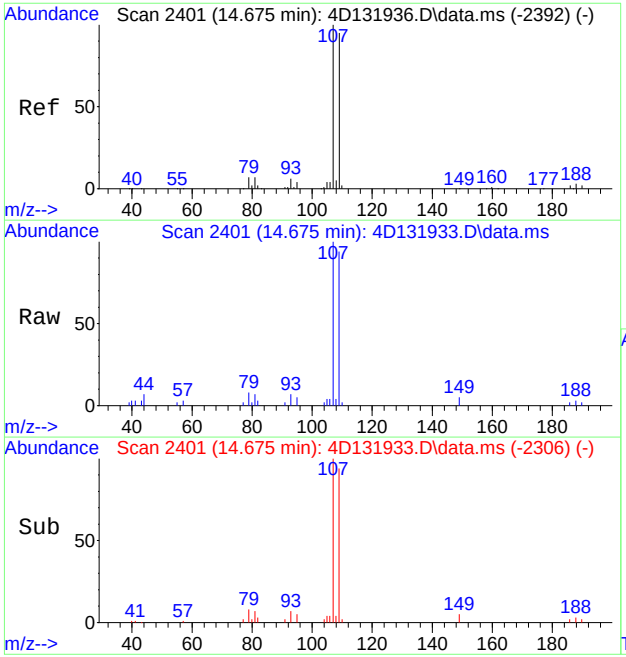


#83
dibromochloromethane
Concen: 3.60 ug/L
RT: 14.528 min Scan# 2373
Delta R.T. -0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:129 Resp: 16745

Ion	Ratio	Lower	Upper
129	100		
127	79.1	47.2	107.2
131	23.5	0.0	54.4

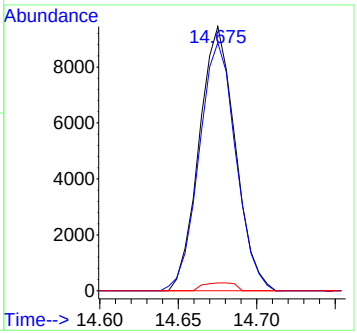


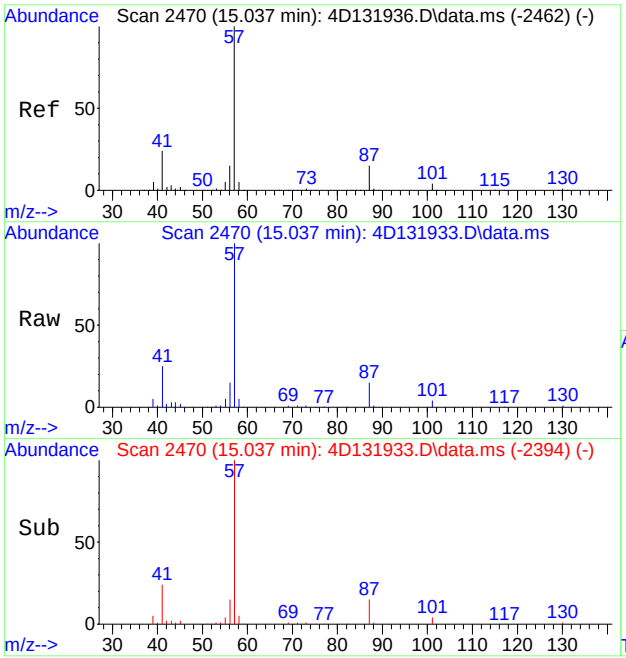


#84
1,2-dibromoethane
Concen: 3.55 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:107 Resp: 15148

Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.1	125.1
188	3.0	0.0	33.2

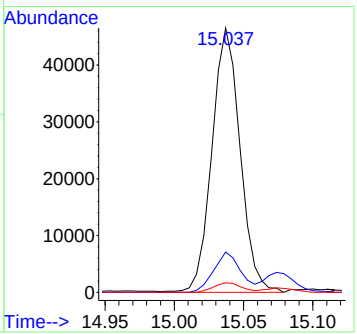


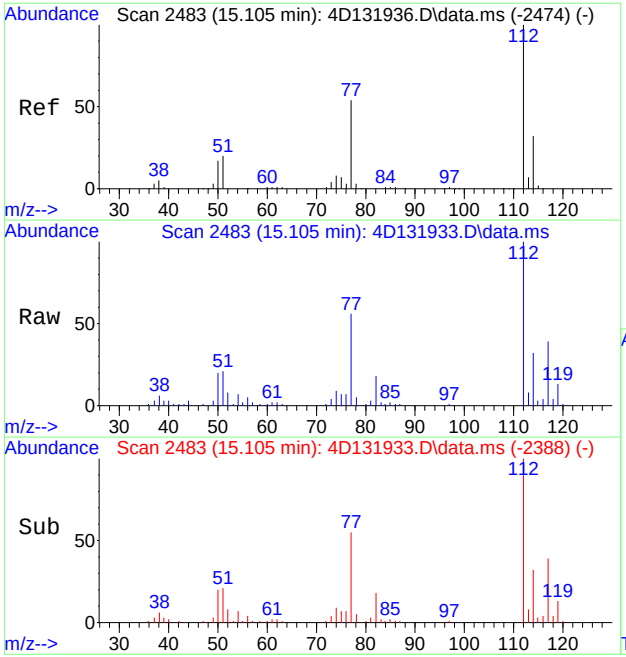


#85
n-butyl ether
Concen: 3.65 ug/L
RT: 15.037 min Scan# 2470
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 57 Resp: 65585

Ion	Ratio	Lower	Upper
57	100		
87	15.2	0.0	44.7
101	3.6	0.0	33.8

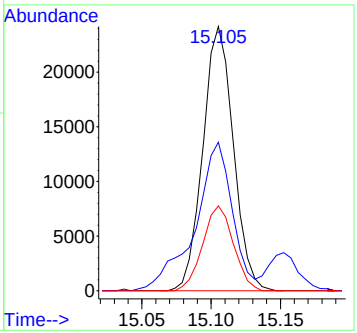


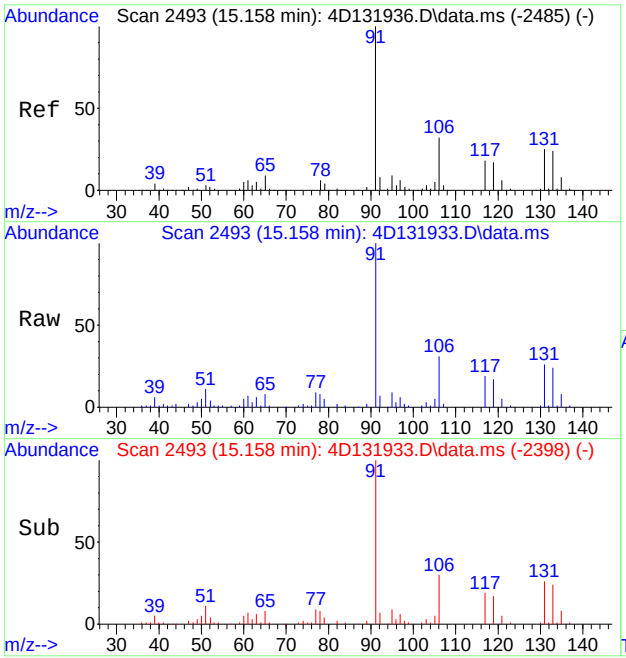


#86
chlorobenzene
Concen: 3.56 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:112 Resp: 36921

Ion	Ratio	Lower	Upper
112	100		
77	49.8	23.8	83.8
114	32.1	2.2	62.2

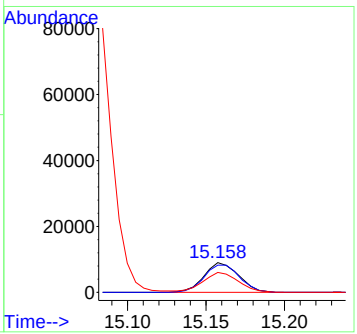


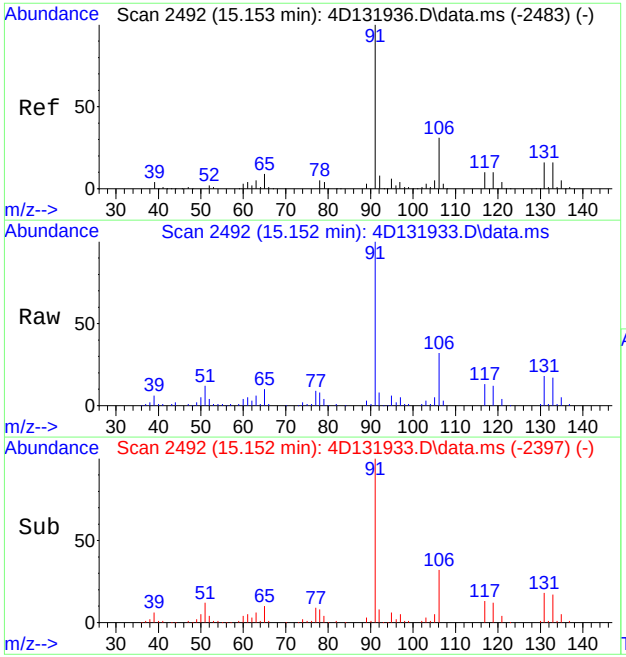


#87
1,1,1,2-tetrachloroethane
Concen: 3.74 ug/L
RT: 15.158 min Scan# 2493
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:131 Resp: 13880

Ion	Ratio	Lower	Upper
131	100		
133	91.8	66.4	126.4
119	66.9	37.8	97.8

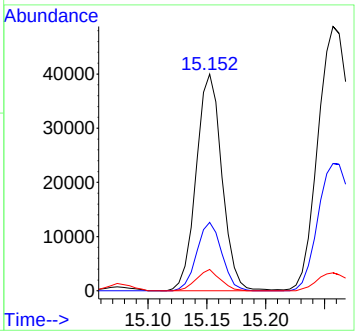


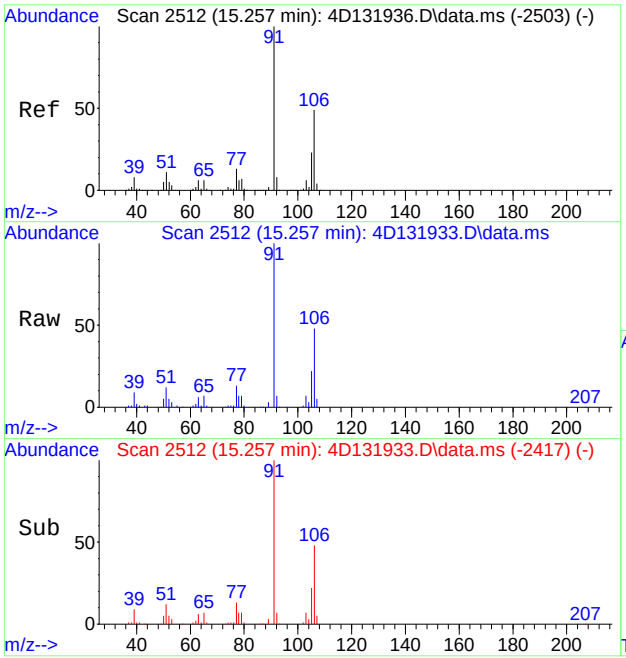


#88
ethylbenzene
Concen: 3.55 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 91 Resp: 60913

Ion	Ratio	Lower	Upper
91	100		
106	31.5	1.3	61.3
65	9.8	0.0	39.1

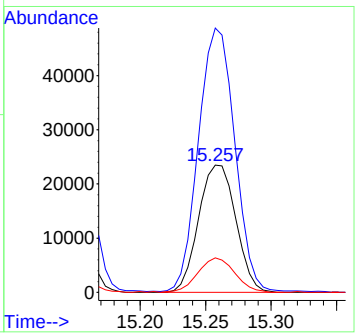


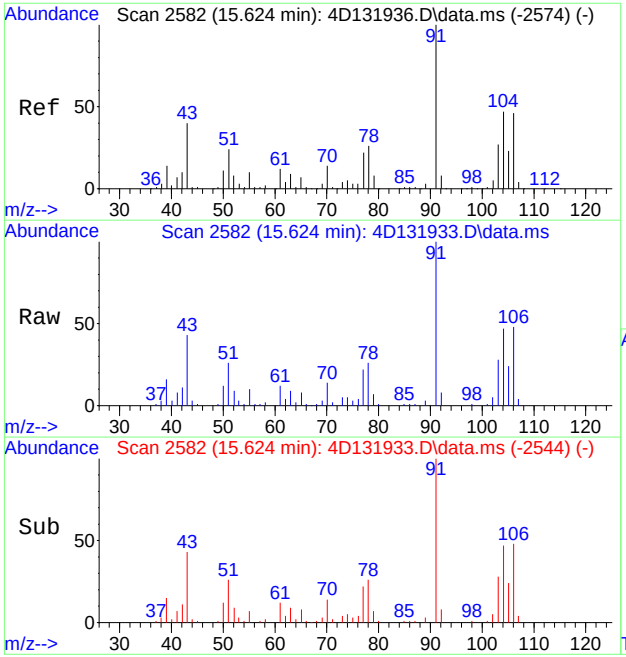


#89
m,p-xylene
Concen: 7.05 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:106 Resp: 46546

Ion	Ratio	Lower	Upper
106	100		
91	206.8	173.6	233.6
77	27.2	5.6	45.6

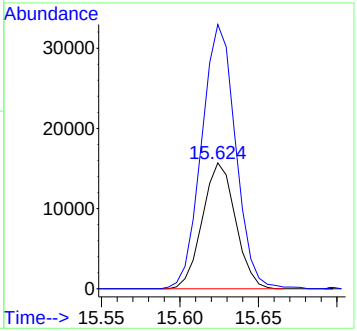


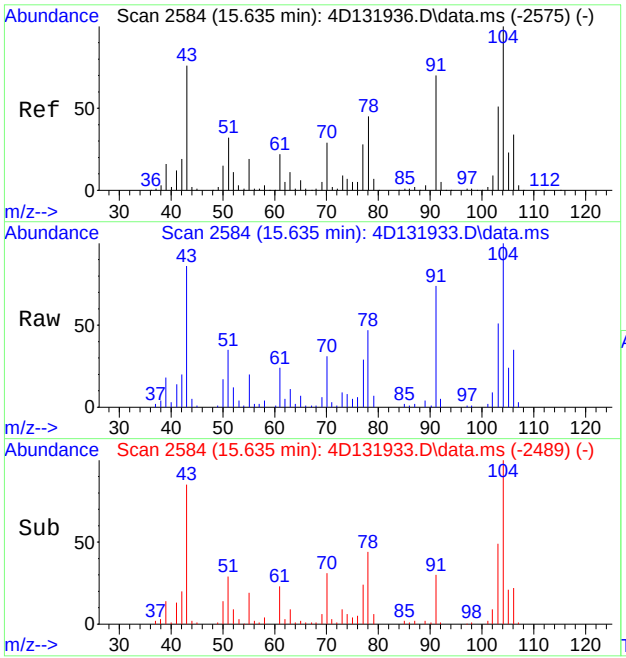


#90
o-xylene
Concen: 3.59 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:106 Resp: 23007

Ion	Ratio	Lower	Upper
106	100		
91	210.3	188.2	248.2

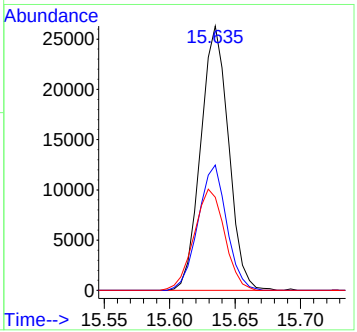


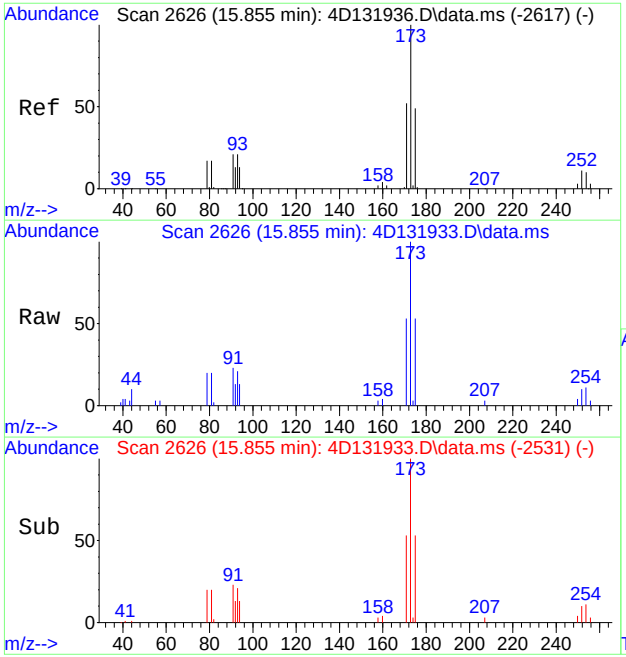


#91
styrene
Concen: 3.61 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:104 Resp: 38950

Ion	Ratio	Lower	Upper
104	100		
78	47.4	14.9	74.9
51	35.2	2.1	62.1

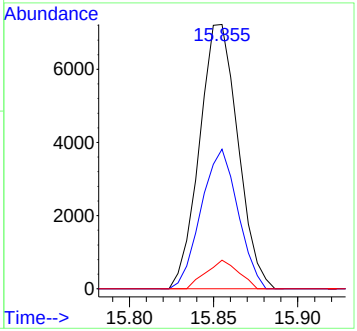


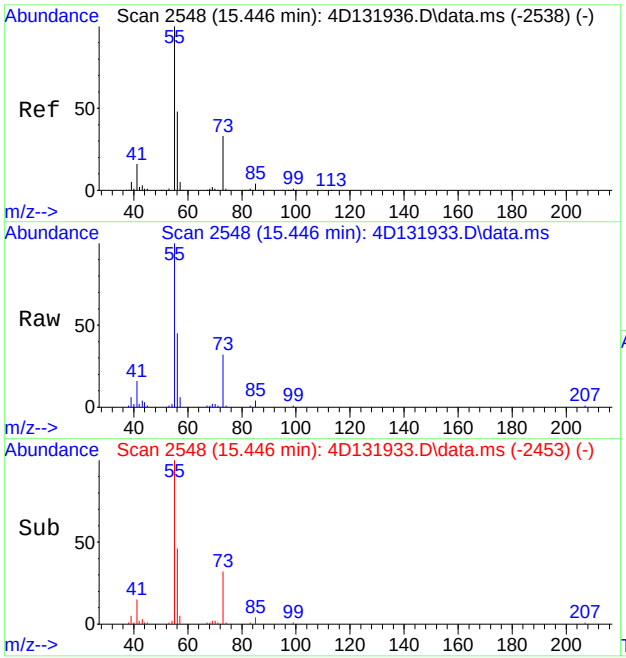


#92
bromoform
Concen: 3.51 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:173 Resp: 11527

Ion	Ratio	Lower	Upper
173	100		
175	52.8	18.7	78.7
254	10.8	0.0	40.1

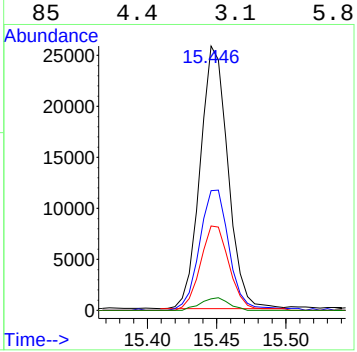


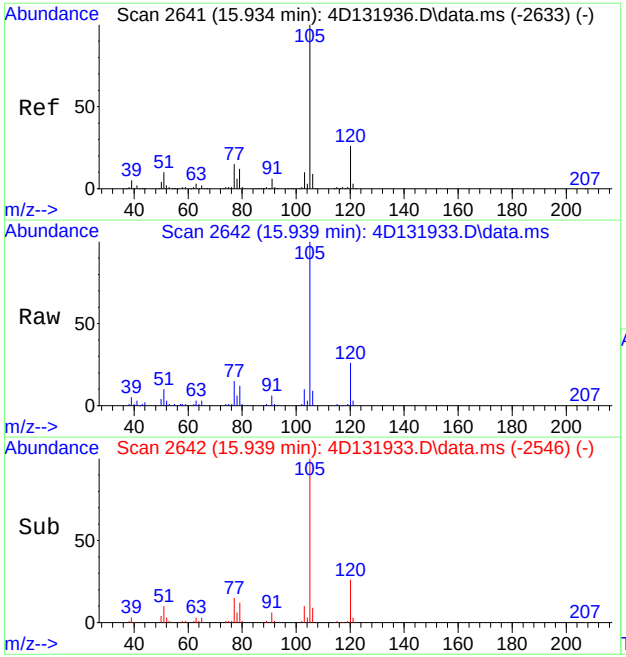


#93
butyl acrylate
Concen: 3.53 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 55 Resp: 35888

Ion	Ratio	Lower	Upper
55	100		
56	45.6	33.5	62.1
73	32.1	23.2	43.2
85	4.4	3.1	5.8

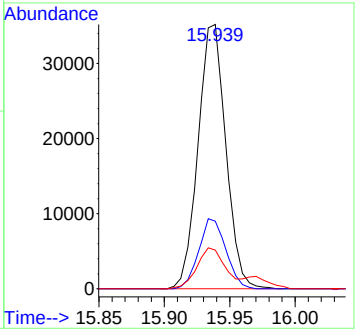


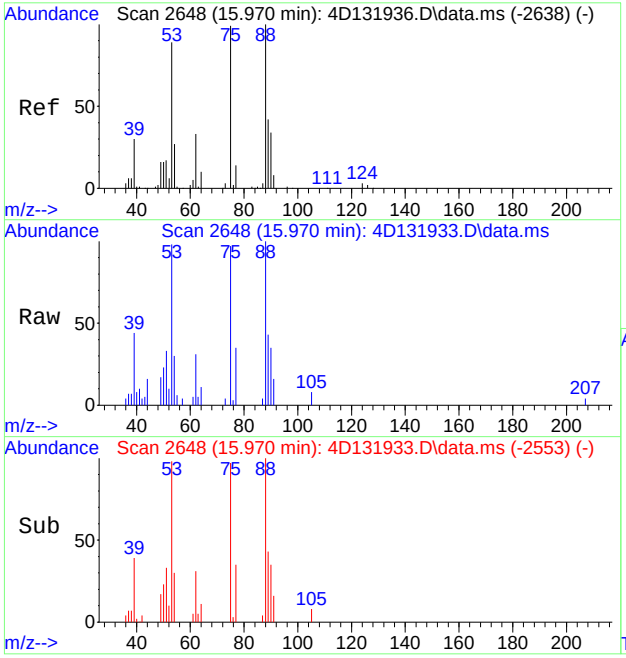


#94
isopropylbenzene
Concen: 3.51 ug/L
RT: 15.939 min Scan# 2642
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:105 Resp: 52053

Ion	Ratio	Lower	Upper
105	100		
120	25.5	5.9	45.9
77	14.7	0.0	34.7

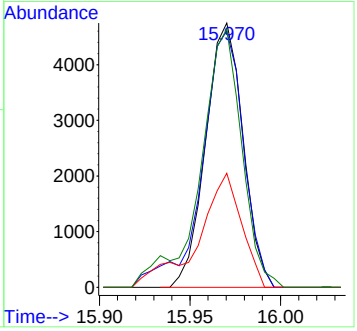


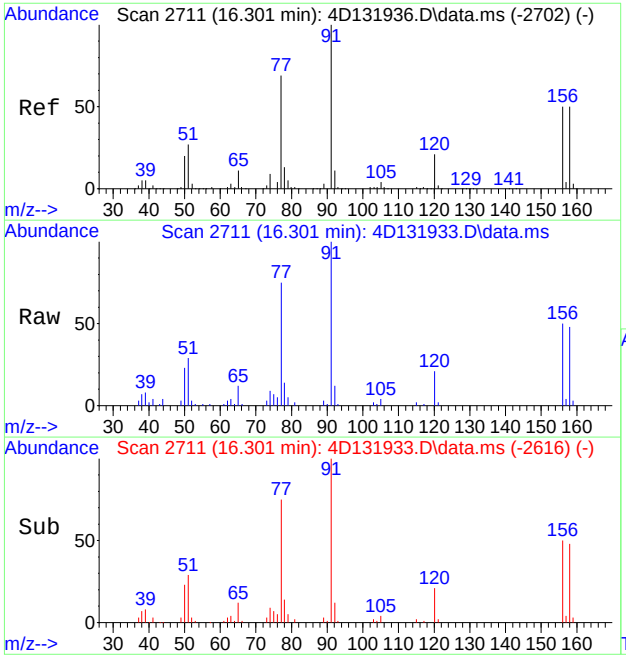


#95
cis-1,4-dichloro-2-butene
Concen: 3.51 ug/L
RT: 15.970 min Scan# 2648
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 88 Resp: 6793

Ion	Ratio	Lower	Upper
88	100		
75	97.0	80.4	120.4
89	43.1	23.8	63.8
53	97.7	70.8	110.8

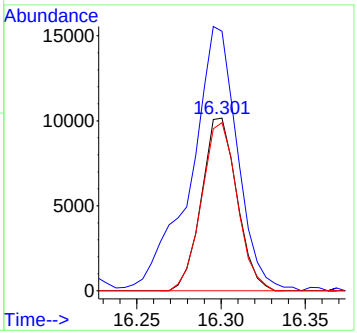


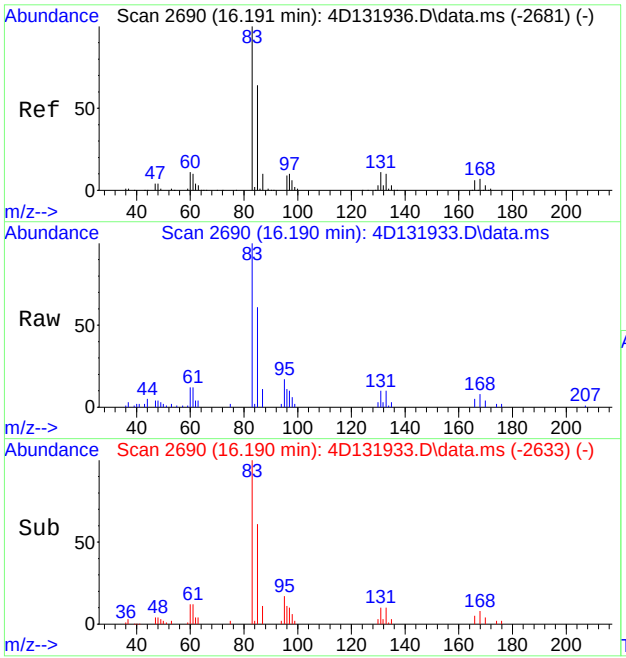


#98
bromobenzene
Concen: 3.63 ug/L
RT: 16.301 min Scan# 2711
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:156 Resp: 14894

Ion	Ratio	Lower	Upper
156	100		
77	148.2	114.1	174.1
158	97.5	69.3	129.3

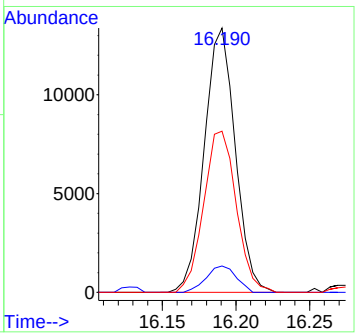


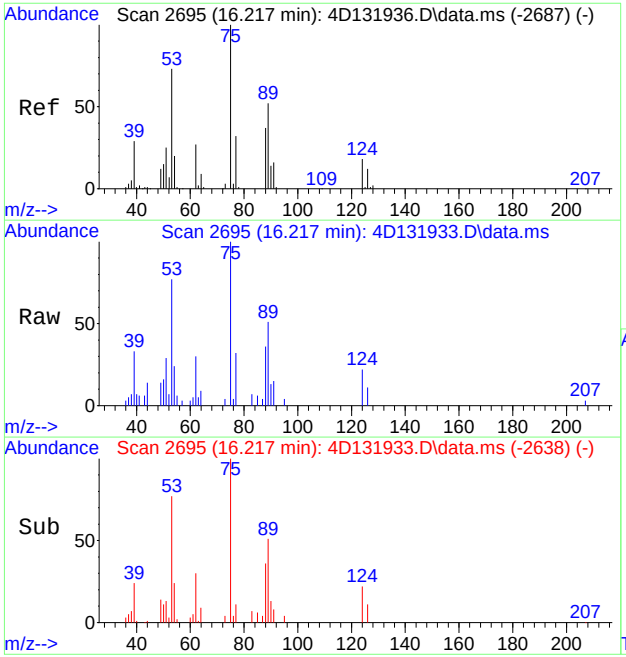


#99
1,1,2,2-tetrachloroethane
Concen: 3.54 ug/L
RT: 16.190 min Scan# 2690
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 83 Resp: 19563

Ion	Ratio	Lower	Upper
83	100		
131	9.9	0.0	40.7
85	61.0	33.7	93.7

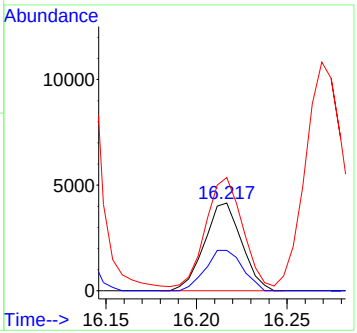


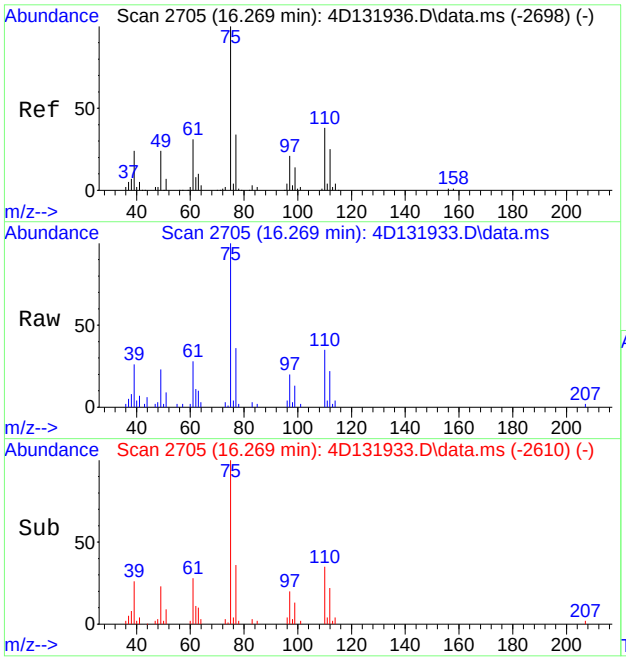


#100
trans-1,4-dichloro-2-butene
Concen: 3.69 ug/L
RT: 16.217 min Scan# 2695
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 53 Resp: 5930

Ion	Ratio	Lower	Upper
53	100		
88	46.0	20.8	80.8
75	123.9	106.5	166.5

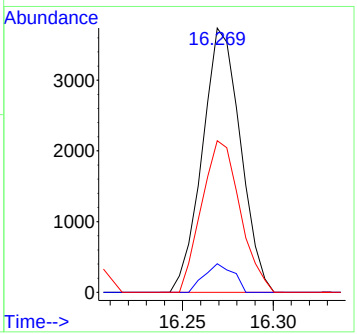


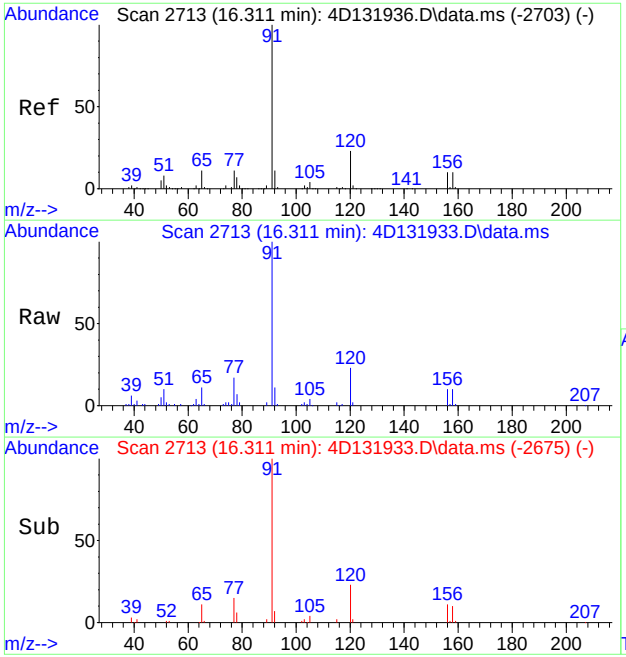


#101
1,2,3-trichloropropane
Concen: 3.88 ug/L
RT: 16.269 min Scan# 2705
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:110 Resp: 5466

Ion	Ratio	Lower	Upper
110	100		
111	10.9	0.0	40.4
97	57.3	25.6	85.6

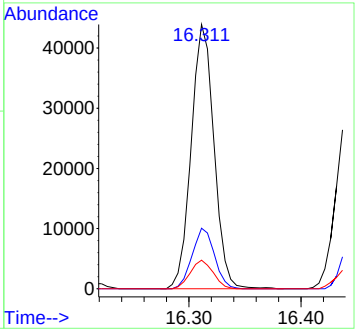


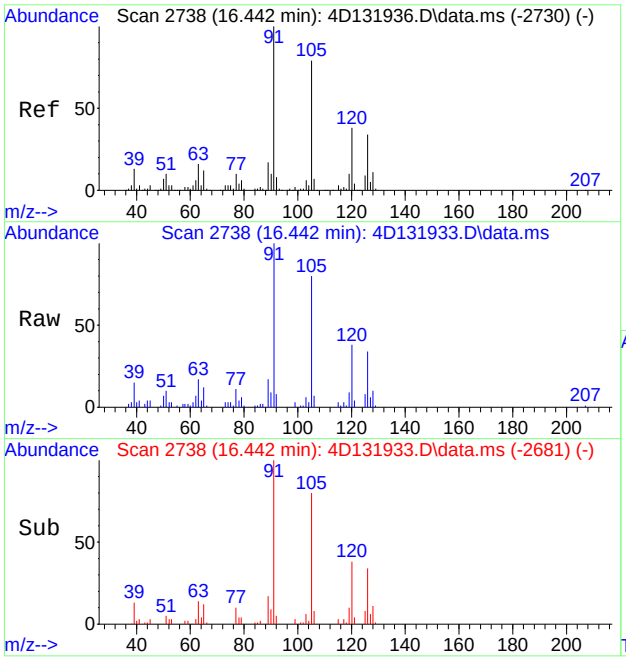


#102
n-propylbenzene
Concen: 3.56 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 91 Resp: 62052

Ion	Ratio	Lower	Upper
91	100		
120	22.9	0.0	53.1
65	10.8	0.0	40.8

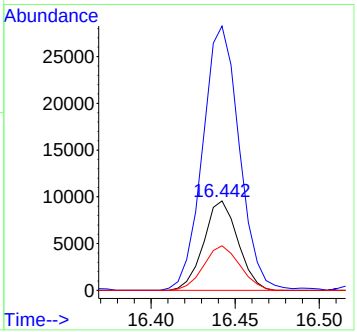


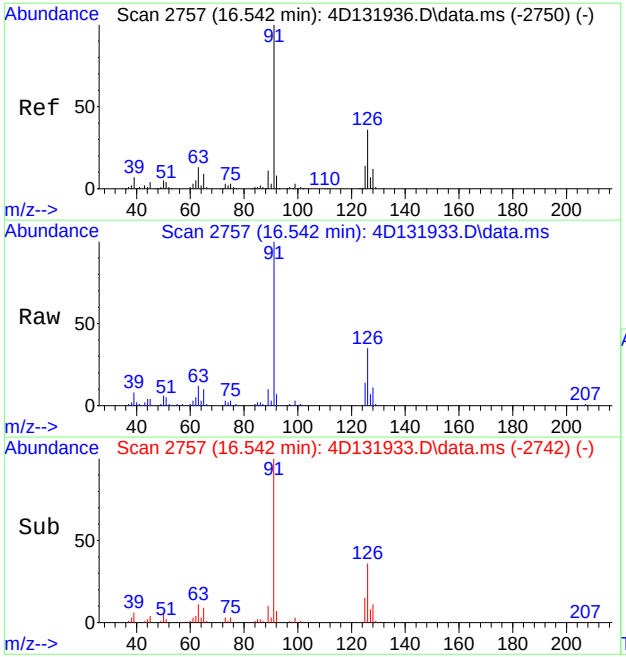


#103
2-chlorotoluene
Concen: 3.66 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:126 Resp: 13591

Ion	Ratio	Lower	Upper
126	100		
91	295.7	265.9	325.9
63	49.8	18.3	78.3

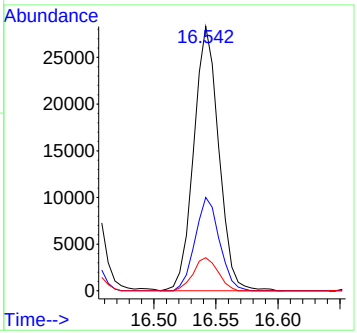


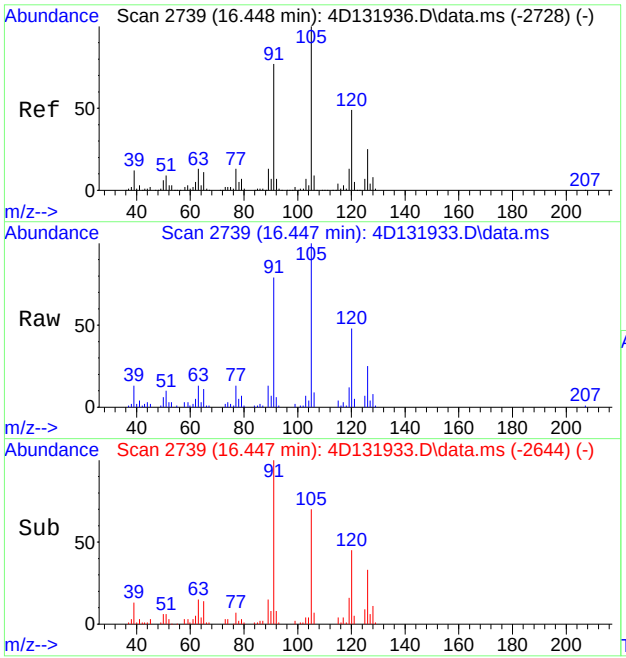


#104
4-chlorotoluene
Concen: 3.43 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 91 Resp: 39873

Ion	Ratio	Lower	Upper
91	100		
126	35.3	5.5	65.5
63	12.5	0.0	42.5

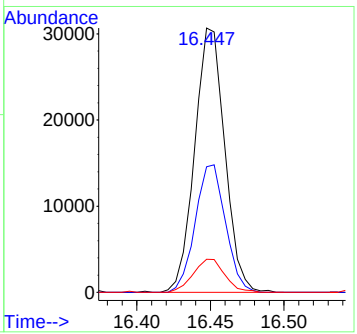


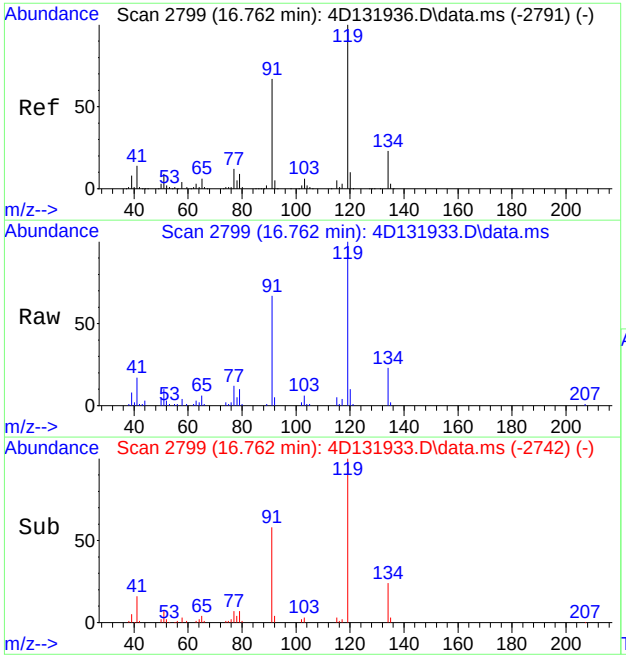


#105
1,3,5-trimethylbenzene
Concen: 3.58 ug/L
RT: 16.447 min Scan# 2739
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:105 Resp: 43667

Ion	Ratio	Lower	Upper
105	100		
120	47.5	19.3	79.3
77	12.5	0.0	42.7

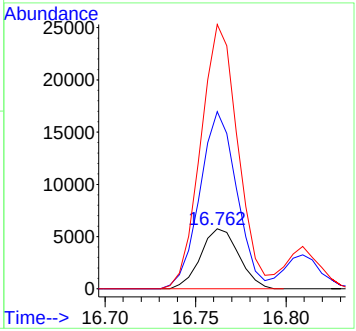


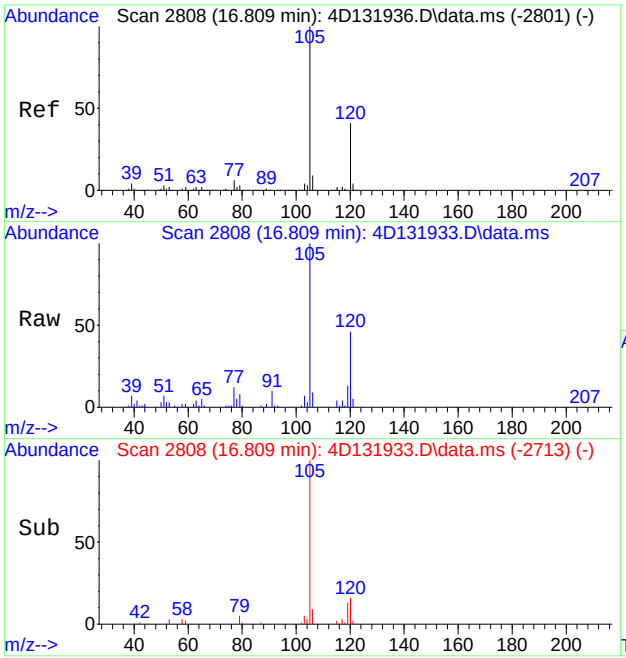


#106
tert-butylbenzene
Concen: 3.84 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:134 Resp: 8414

Ion	Ratio	Lower	Upper
134	100		
91	295.8	266.0	326.0
119	441.4	410.0	470.0

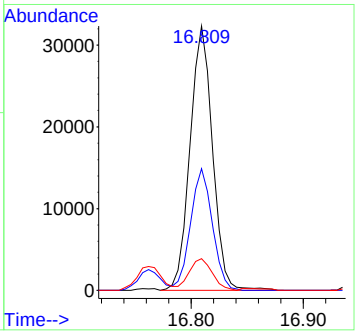


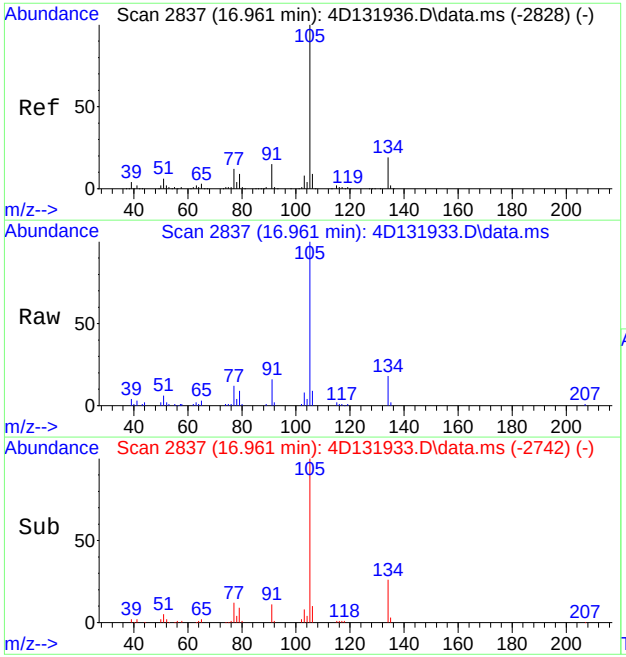


#107
1,2,4-trimethylbenzene
Concen: 3.68 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:105 Resp: 45052

Ion	Ratio	Lower	Upper
105	100		
120	46.0	15.8	75.8
77	12.0	0.0	41.4

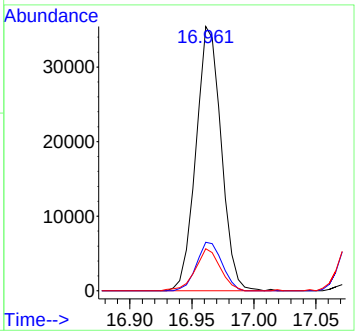


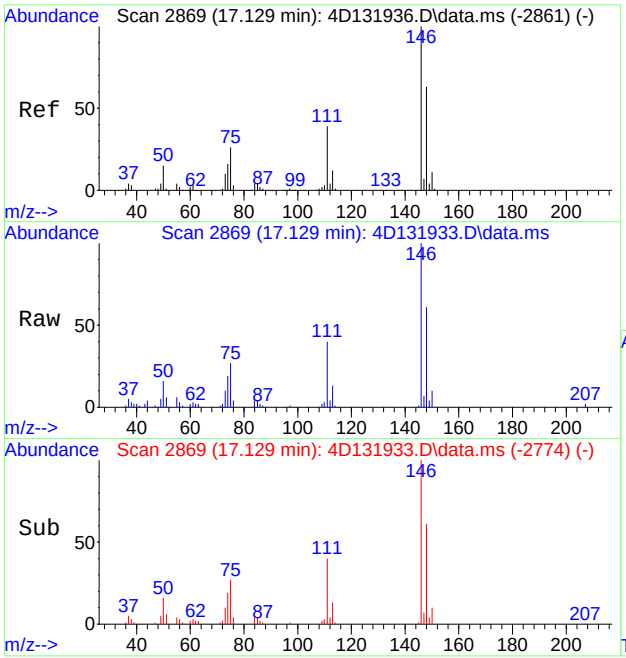


#108
sec-butylbenzene
Concen: 3.57 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:105 Resp: 50316

Ion	Ratio	Lower	Upper
105	100		
134	18.4	0.0	48.6
91	15.9	0.0	45.4

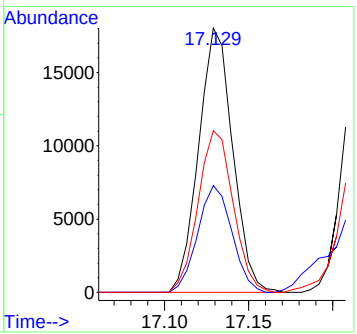


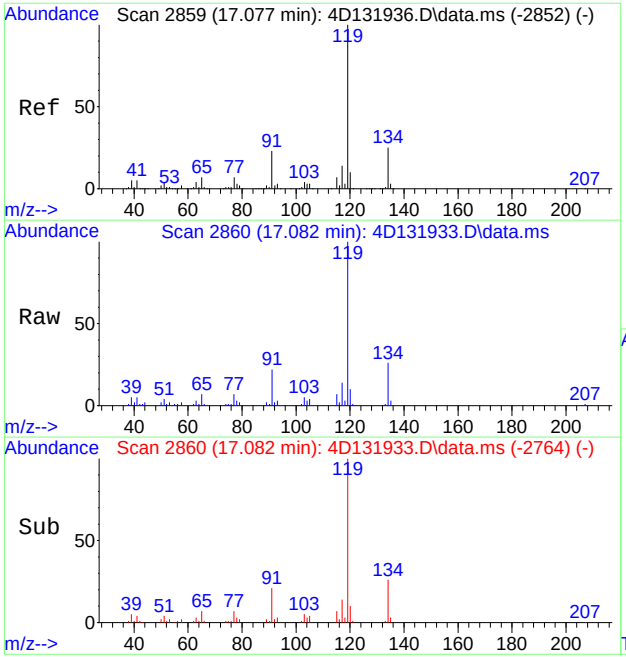


#109
1,3-dichlorobenzene
Concen: 3.59 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:146 Resp: 25424

Ion	Ratio	Lower	Upper
146	100		
111	40.4	9.4	69.4
148	61.2	33.3	93.3

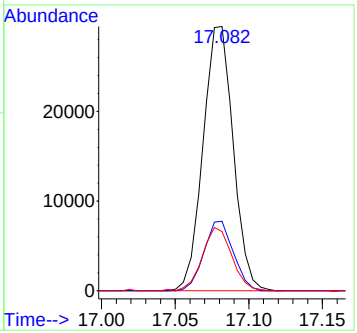


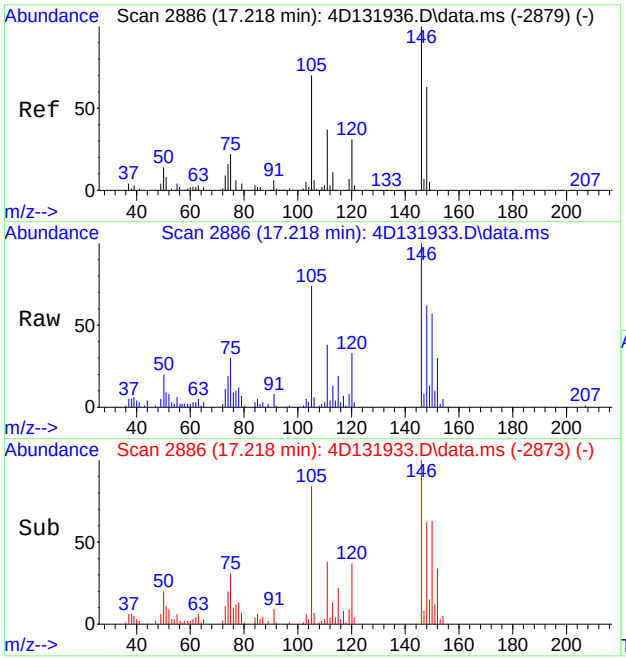


#110
p-isopropyltoluene
Concen: 3.61 ug/L
RT: 17.082 min Scan# 2860
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:119 Resp: 41915

Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	55.5
91	22.4	0.0	53.2

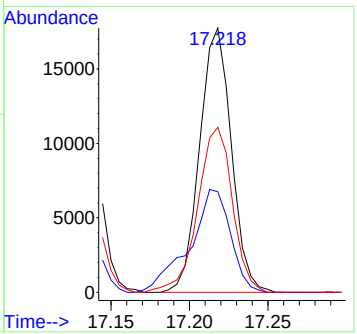


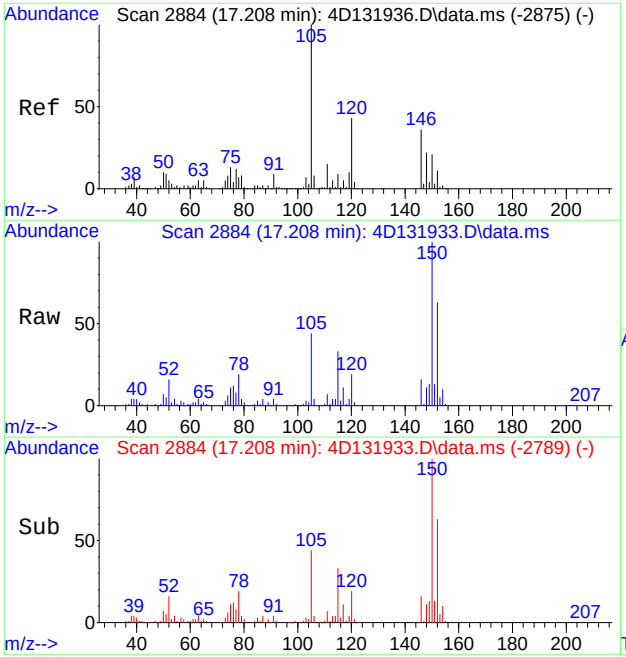


#111
1,4-dichlorobenzene
Concen: 3.64 ug/L
RT: 17.218 min Scan# 2886
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:146 Resp: 24986

Ion	Ratio	Lower	Upper
146	100		
111	38.1	7.6	67.6
148	62.4	33.6	93.6

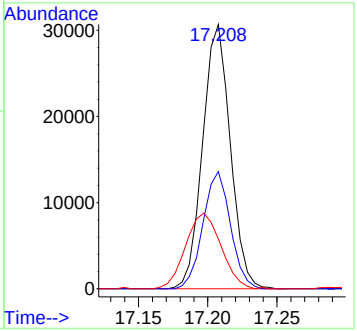


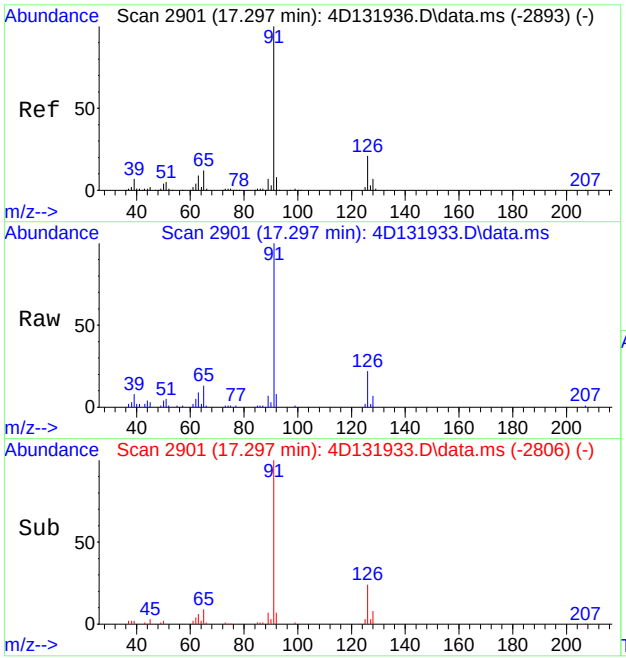


#112
1,2,3-trimethylbenzene
Concen: 3.61 ug/L
RT: 17.208 min Scan# 2884
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:105 Resp: 42475

Ion	Ratio	Lower	Upper
105	100		
120	44.3	12.6	72.6
77	18.9	0.0	42.2

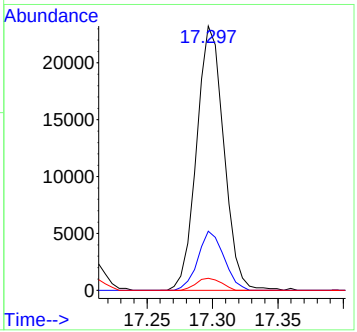


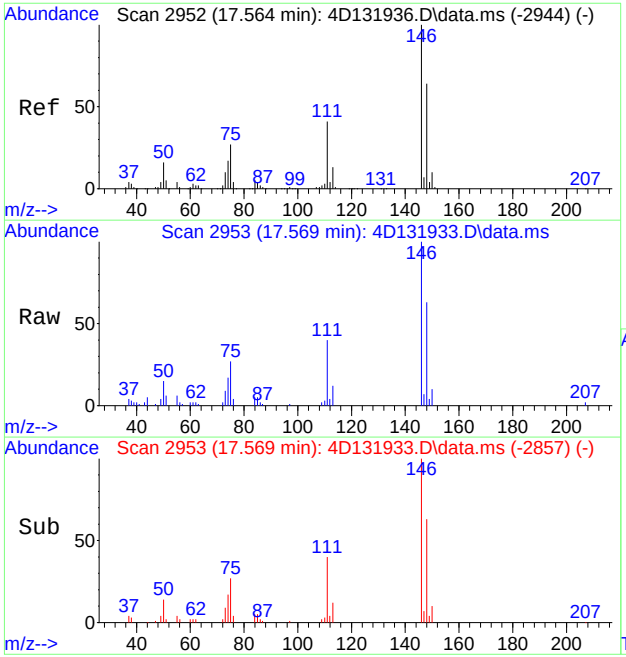


#113
benzyl chloride
Concen: 3.55 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 91 Resp: 33620

Ion	Ratio	Lower	Upper
91	100		
126	22.4	0.0	51.2
62	4.6	0.0	34.2

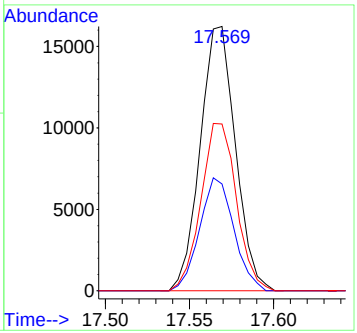


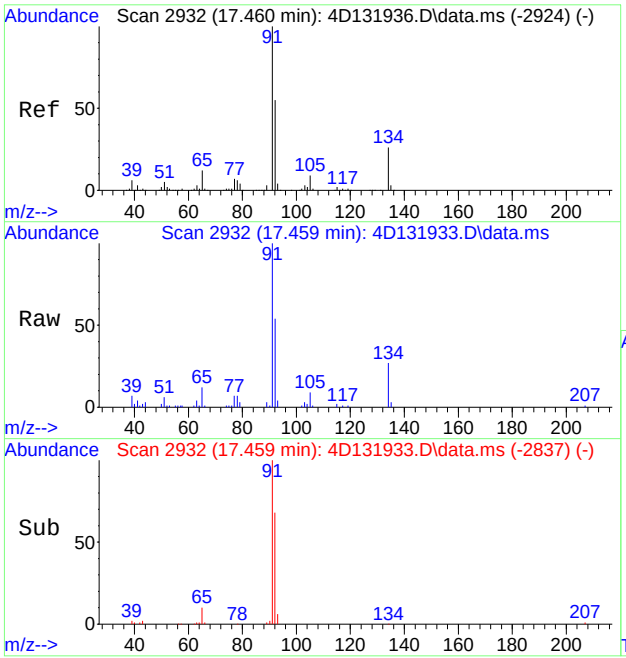


#114
1,2-dichlorobenzene
Concen: 3.58 ug/L
RT: 17.569 min Scan# 2953
Delta R.T. 0.005 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:146 Resp: 23640

Ion	Ratio	Lower	Upper
146	100		
111	40.4	11.4	71.4
148	63.1	33.6	93.6

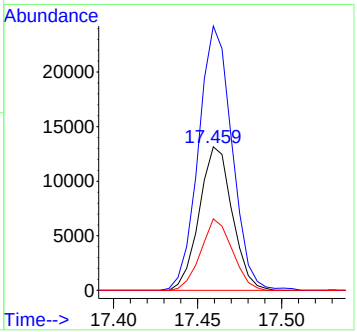


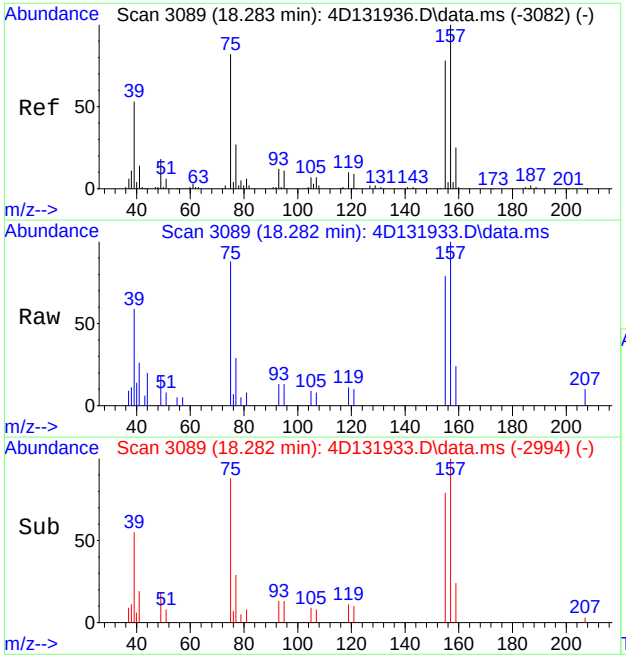


#115
n-butylbenzene
Concen: 3.50 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion: 92 Resp: 17976

Ion	Ratio	Lower	Upper
92	100		
91	184.1	151.4	211.4
134	49.7	16.5	76.5

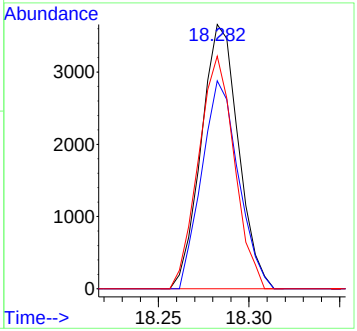


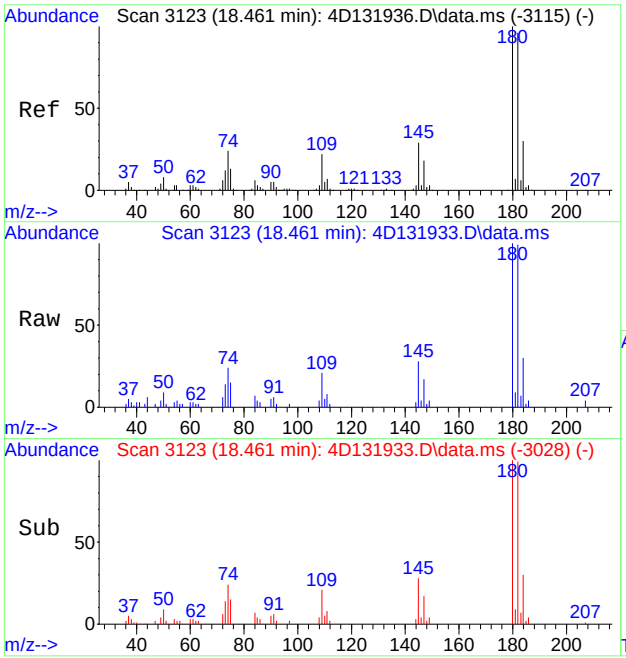


#116
1,2-dibromo-3-chloropropane
Concen: 3.71 ug/L
RT: 18.282 min Scan# 3089
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:157 Resp: 5227

Ion	Ratio	Lower	Upper
157	100		
155	78.7	48.1	108.1
75	88.0	52.3	112.3

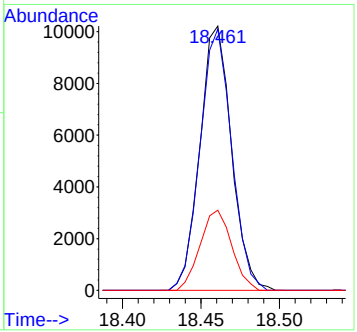


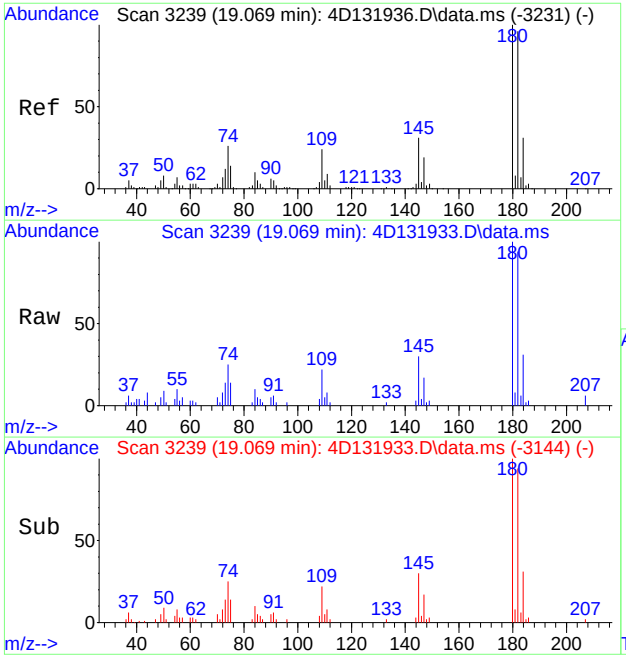


#117
1,3,5-trichlorobenzene
Concen: 3.60 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:180 Resp: 14382

Ion	Ratio	Lower	Upper
180	100		
182	98.8	66.1	126.1
184	30.4	0.3	60.3

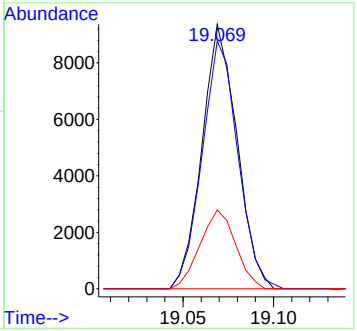


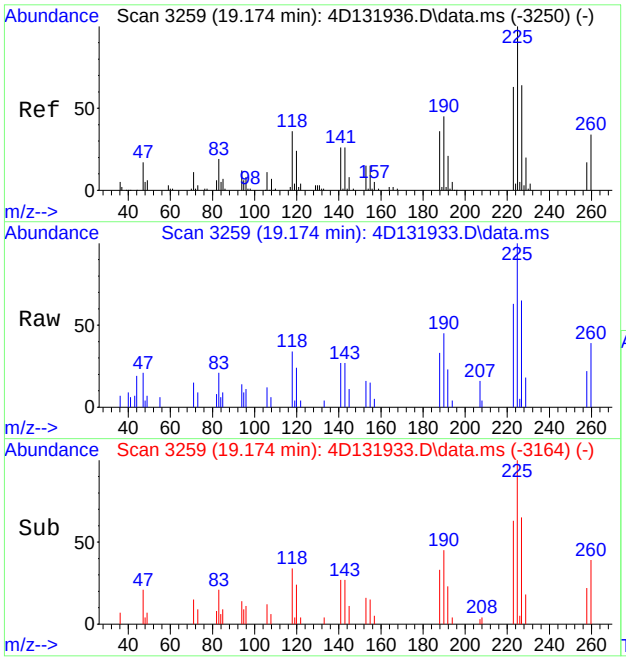


#118
1,2,4-trichlorobenzene
Concen: 3.62 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:180 Resp: 12573

Ion	Ratio	Lower	Upper
180	100		
182	93.7	65.6	125.6
145	29.8	0.8	60.8

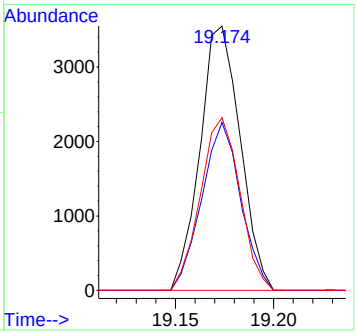


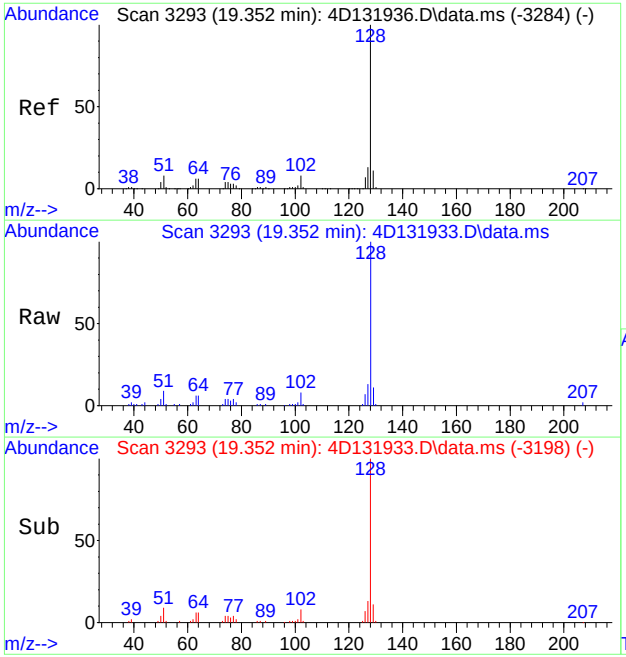


#119
hexachlorobutadiene
Concen: 3.71 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:225 Resp: 5070

Ion	Ratio	Lower	Upper
225	100		
223	63.5	33.3	93.3
227	65.3	33.8	93.8

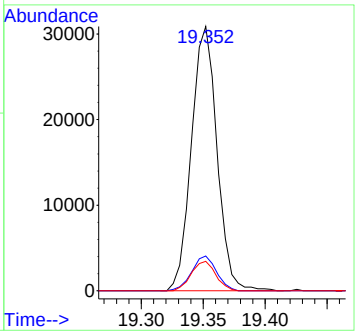


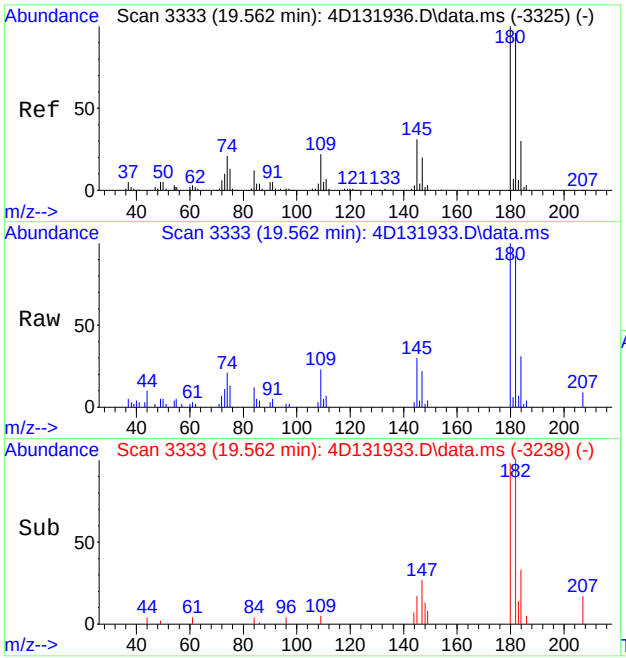


#120
naphthalene
Concen: 3.80 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:128 Resp: 44461

Ion	Ratio	Lower	Upper
128	100		
127	13.2	0.0	42.5
129	11.2	0.0	41.0

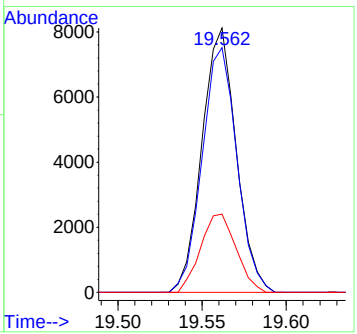


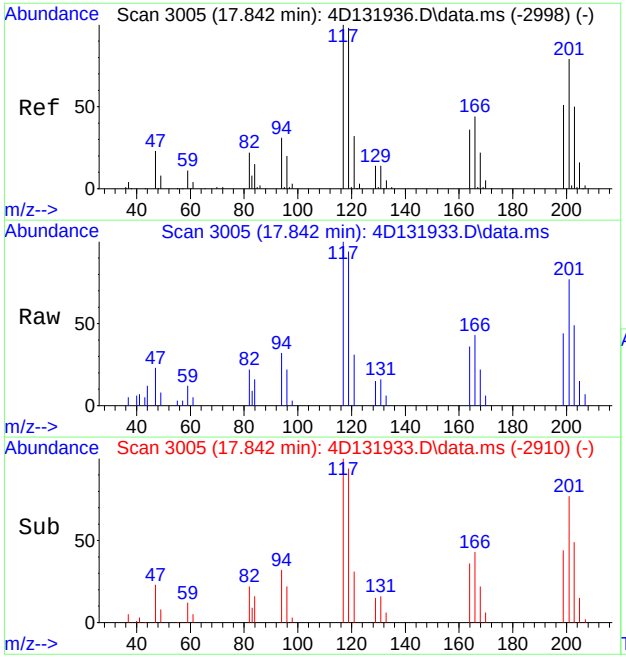


#121
1,2,3-trichlorobenzene
Concen: 3.73 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:180 Resp: 11526

Ion	Ratio	Lower	Upper
180	100		
182	92.5	66.3	126.3
145	29.6	1.3	61.3

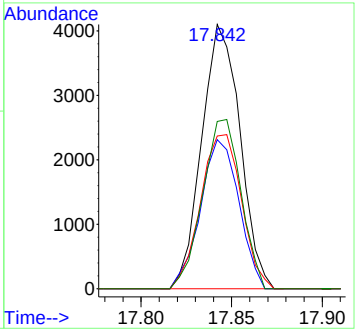


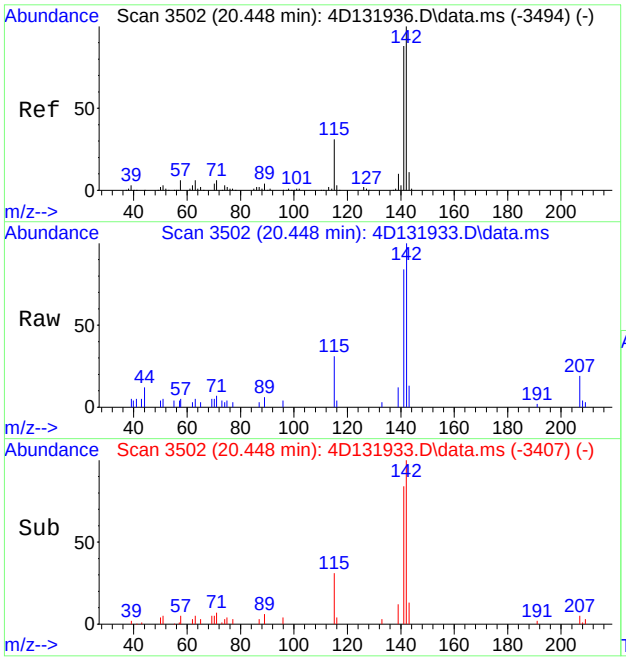


#122
hexachloroethane
Concen: 3.69 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:201 Resp: 6030

Ion	Ratio	Lower	Upper
201	100		
166	56.4	26.1	86.1
199	57.7	33.8	93.8
203	63.3	33.7	93.7

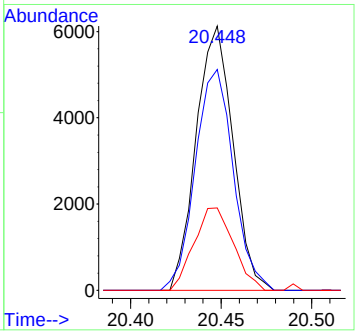




#123
2-methylnaphthalene
Concen: 1.78 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. -0.000 min
Lab File: 4D131933.D
Acq: 6 Oct 2023 5:33 pm

Tgt Ion:142 Resp: 8658

Ion	Ratio	Lower	Upper
142	100		
141	83.6	67.9	107.9
115	31.2	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131934.D
Acq On : 6 Oct 2023 6:02 pm
Operator : nickw
Sample : ic5842-8
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:32:47 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:31:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	8.819	65	452648	500.00	ug/L		-0.01
5) pentafluorobenzene	11.299	168	405782	50.00	ug/L		0.00
51) 1,4-difluorobenzene	12.206	114	669622	50.00	ug/L		0.00
73) chlorobenzene-d5	15.074	117	531018	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	17.192	152	233321	50.00	ug/L		0.00
124) pentafluorobenzene(a)	11.299	168	405782	50.00	ug/L		0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	233321	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	11.336	113	217002	50.33	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.66%				
52) 1,2-dichloroethane-d4 (s)	11.755	65	253009	50.84	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.68%				
74) toluene-d8 (s)	13.705	98	706614	49.99	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.98%				
97) 4-bromofluorobenzene (s)	16.123	95	244503	49.88	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.76%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.955	59	55506	36.63	ug/L		100
3) ethanol	7.319	45	106351	735.18	ug/L		100
4) 1,4-dioxane	12.809	88	19554	213.57	ug/L		97
6) chlorodifluoromethane	4.803	51	43770	7.66	ug/L		99
7) dichlorodifluoromethane	4.735	85	45328	7.26	ug/L		99
8) chloromethane	5.243	50	48720	6.84	ug/L		99
9) vinyl chloride	5.495	62	40892	7.31	ug/L		99
10) 1,3-butadiene	5.595	54	35241	7.72	ug/L		95
11) bromomethane	6.292	94	23209	7.27	ug/L		100
12) chloroethane	6.538	64	23772	7.15	ug/L		98
13) trichlorofluoromethane	7.073	101	51362	7.87	ug/L		99
14) ethyl ether	7.592	74	18809	8.45	ug/L		94
15) acrolein	7.854	56	11178	7.89	ug/L		97
16) freon 113	8.069	151	23953	8.21	ug/L		96
17) 1,1-dichloroethene	8.080	96	27002	7.88	ug/L		95
18) acetone	8.085	58	38094	37.56	ug/L		89
19) acetonitrile	8.562	41	80601	79.31	ug/L		100
20) iodomethane	8.368	142	26883	8.18	ug/L		99
21) carbon disulfide	8.520	76	82027	7.52	ug/L		99
22) methylene chloride	8.898	84	33457	6.85	ug/L		94
23) methyl acetate	8.625	74	8171	7.84	ug/L	#	89
24) methyl tert butyl ether	9.286	73	100862	7.86	ug/L		99
25) trans-1,2-dichloroethene	9.333	96	30686	7.84	ug/L		98
26) di-isopropyl ether	9.951	45	120352	7.73	ug/L		98
27) 2-butanone	10.670	72	32423	35.62	ug/L		93
28) 1,1-dichloroethane	9.972	63	62869	7.95	ug/L		97
29) chloroprene	10.083	53	57313	8.02	ug/L		99
30) acrylonitrile	9.223	53	20200	7.55	ug/L		99
31) hexane	9.726	56	27505	7.18	ug/L		98
32) vinyl acetate	9.904	86	6672	7.30	ug/L		97
33) ethyl tert-butyl ether	10.450	59	120157	7.89	ug/L		99
34) ethyl acetate	10.691	70	7131	7.67	ug/L		99
35) 2,2-dichloropropane	10.769	77	49347	7.17	ug/L		98
36) cis-1,2-dichloroethene	10.743	96	36174	7.79	ug/L		96
37) methyl acrylate	10.775	55	66098	8.00	ug/L		98
38) propionitrile	10.754	54	97335	81.06	ug/L		96
39) bromochloromethane	11.053	128	18491	8.12	ug/L		99
40) tetrahydrofuran	11.073	72	7391	7.46	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131934.D
Acq On : 6 Oct 2023 6:02 pm
Operator : nickw
Sample : ic5842-8
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:32:47 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:31:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	11.142	85	40467	6.19	ug/L		98
42) t-butyl formate	11.173	59	16227	8.12	ug/L		98
44) methacrylonitrile	10.963	67	19936	7.63	ug/L		95
45) 1,1,1-trichloroethane	11.404	97	49622	7.97	ug/L		99
46) cyclohexane	11.514	84	41847	7.23	ug/L		92
47) 1,1-dichloropropene	11.577	75	42391	8.04	ug/L		98
48) isobutyl alcohol	11.535	74	3725	75.30	ug/L	#	70
49) carbon tetrachloride	11.598	117	43880	8.18	ug/L		98
50) tert amyl alcohol	11.692	55	17774	37.43	ug/L		99
53) n-butyl alcohol	12.253	56	133256	379.00	ug/L		99
54) 2,2,4-trimethylpentane	11.902	57	90241	7.46	ug/L		99
55) benzene	11.818	78	119754	7.78	ug/L		99
56) tert-amyl methyl ether	11.886	87	22880	7.84	ug/L		99
57) heptane	12.054	71	19060	7.25	ug/L		97
58) isopropyl acetate	11.718	87	9382	8.26	ug/L	#	86
59) 1,2-dichloroethane	11.844	62	49409	7.53	ug/L		99
60) trichloroethene	12.500	130	33571	8.07	ug/L		98
61) ethyl acrylate	12.479	55	64283	7.92	ug/L		99
63) 2-chloroethyl vinyl ether	13.218	63	95653	41.07	ug/L		99
64) methyl methacrylate	12.725	100	11404	7.95	ug/L		95
65) 1,2-dichloropropane	12.772	63	35074	8.04	ug/L		98
66) dibromomethane	12.872	93	21766	7.84	ug/L		99
67) methylcyclohexane	12.772	83	46719	7.72	ug/L		100
68) bromodichloromethane	13.013	83	43062	7.54	ug/L		99
69) epichlorohydrin	13.302	57	32471	37.91	ug/L		99
70) cis-1,3-dichloropropene	13.428	75	51959	7.79	ug/L		98
71) 4-methyl-2-pentanone	13.512	58	84922	31.46	ug/L		95
75) toluene	13.774	92	71348	7.81	ug/L		99
76) trans-1,3-dichloropropene	13.936	75	47433	7.87	ug/L		99
77) ethyl methacrylate	13.910	69	45633	7.55	ug/L		94
78) 1,1,2-trichloroethane	14.141	83	25536	7.81	ug/L		98
79) tetrachloroethene	14.277	164	25341	7.99	ug/L		98
80) 1,3-dichloropropane	14.303	76	46332	8.00	ug/L		99
81) 2-hexanone	14.277	58	95250	32.82	ug/L		96
82) butyl acetate	14.335	56	31464	7.37	ug/L		98
83) dibromochloromethane	14.529	129	35217	7.85	ug/L		100
84) 1,2-dibromoethane	14.675	107	32137	7.79	ug/L		100
85) n-butyl ether	15.037	57	136713	7.94	ug/L		100
86) chlorobenzene	15.105	112	77738	7.74	ug/L		98
87) 1,1,1,2-tetrachloroethane	15.158	131	28644	7.91	ug/L		98
88) ethylbenzene	15.153	91	126943	7.65	ug/L		100
89) m,p-xylene	15.257	106	98066	15.37	ug/L		97
90) o-xylene	15.624	106	48690	7.84	ug/L		95
91) styrene	15.635	104	82307	7.86	ug/L		98
92) bromoform	15.855	173	25289	8.00	ug/L		98
93) butyl acrylate	15.446	55	76997	7.86	ug/L		99
94) isopropylbenzene	15.934	105	110908	7.74	ug/L		100
95) cis-1,4-dichloro-2-butene	15.970	88	14210	7.69	ug/L		97
98) bromobenzene	16.301	156	31539	7.87	ug/L		99
99) 1,1,2,2-tetrachloroethane	16.191	83	40930	7.62	ug/L		99
100) trans-1,4-dichloro-2-b...	16.212	53	12539	7.96	ug/L		88
101) 1,2,3-trichloropropane	16.269	110	11381	8.15	ug/L		98
102) n-propylbenzene	16.311	91	130159	7.63	ug/L		99
103) 2-chlorotoluene	16.442	126	28332	7.77	ug/L		95
104) 4-chlorotoluene	16.542	91	84173	7.44	ug/L		98
105) 1,3,5-trimethylbenzene	16.448	105	93214	7.80	ug/L		99
106) tert-butylbenzene	16.762	134	17187	7.94	ug/L		94
107) 1,2,4-trimethylbenzene	16.809	105	94549	7.88	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131934.D
Acq On : 6 Oct 2023 6:02 pm
Operator : nickw
Sample : ic5842-8
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:32:47 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:31:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	16.961	105	107678	7.81	ug/L	99
109) 1,3-dichlorobenzene	17.129	146	54425	7.85	ug/L	99
110) p-isopropyltoluene	17.077	119	89620	7.88	ug/L	99
111) 1,4-dichlorobenzene	17.218	146	53198	7.93	ug/L	99
112) 1,2,3-trimethylbenzene	17.208	105	90887	7.91	ug/L	97
113) benzyl chloride	17.297	91	70709	7.68	ug/L	100
114) 1,2-dichlorobenzene	17.564	146	51012	7.89	ug/L	99
115) n-butylbenzene	17.459	92	39327	7.85	ug/L	99
116) 1,2-dibromo-3-chloropr...	18.283	157	11294	8.15	ug/L	97
117) 1,3,5-trichlorobenzene	18.461	180	31720	8.10	ug/L	98
118) 1,2,4-trichlorobenzene	19.069	180	27530	8.12	ug/L	98
119) hexachlorobutadiene	19.174	225	10889	8.12	ug/L	99
120) naphthalene	19.352	128	95741	8.29	ug/L	100
121) 1,2,3-trichlorobenzene	19.562	180	24856	8.17	ug/L	100
122) hexachloroethane	17.842	201	13031	8.14	ug/L	97
123) 2-methylnaphthalene	20.448	142	19104	4.03	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

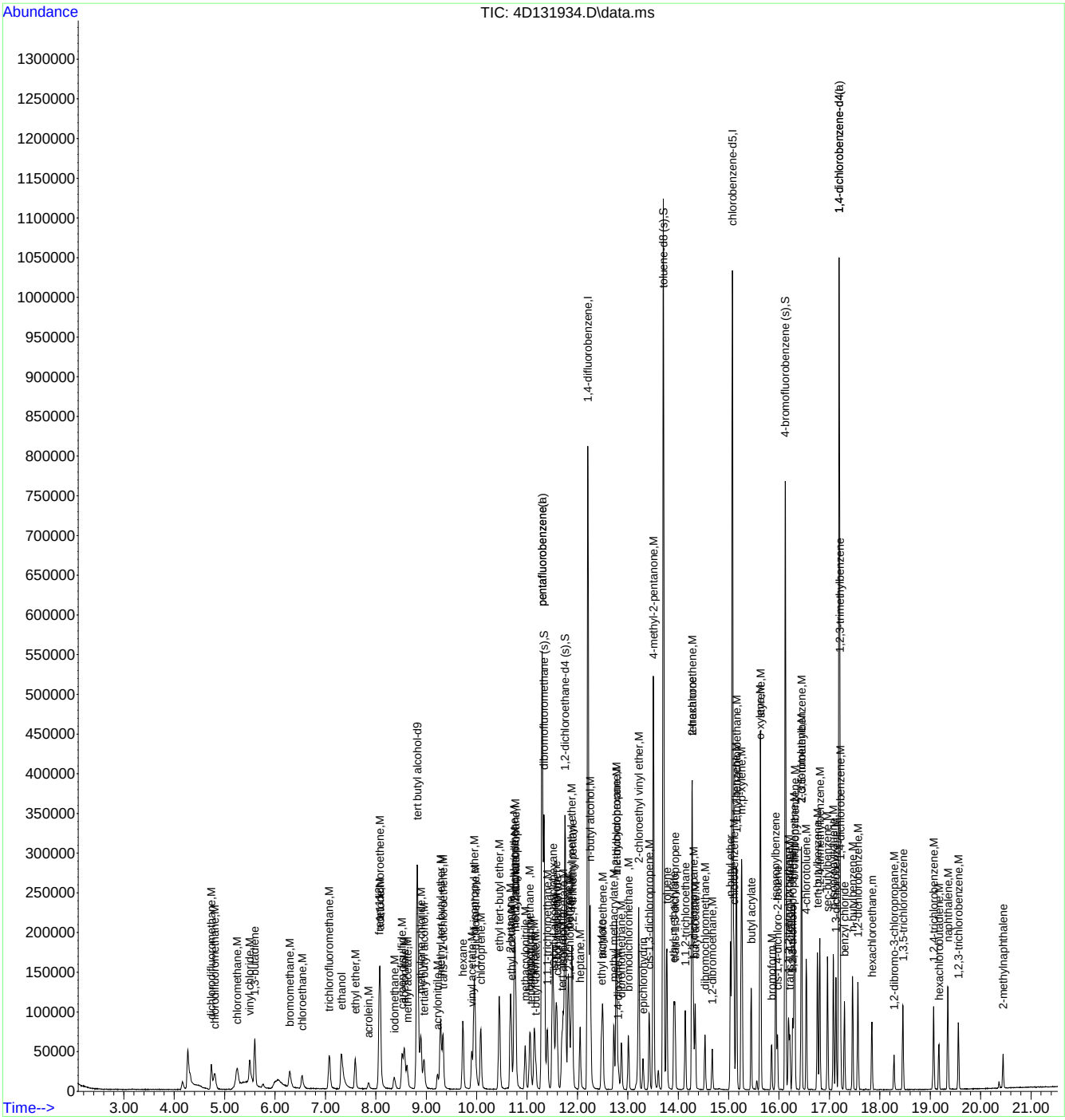
7.6.6

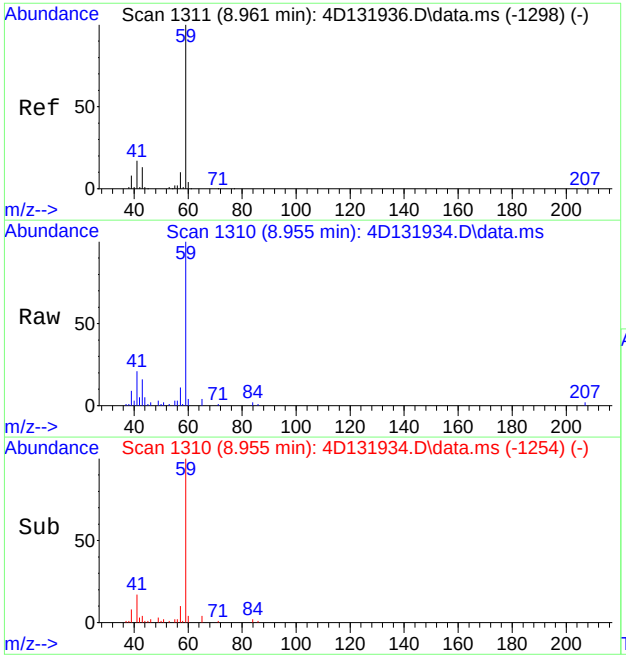
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131934.D
Acq On : 6 Oct 2023 6:02 pm
Operator : nickw
Sample : ic5842-8
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 15:32:47 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:31:34 2023
Response via : Initial Calibration

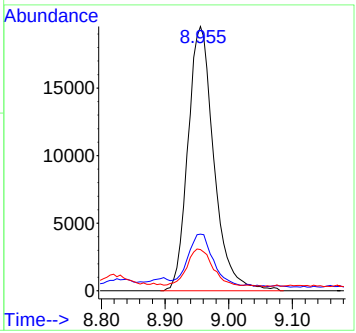


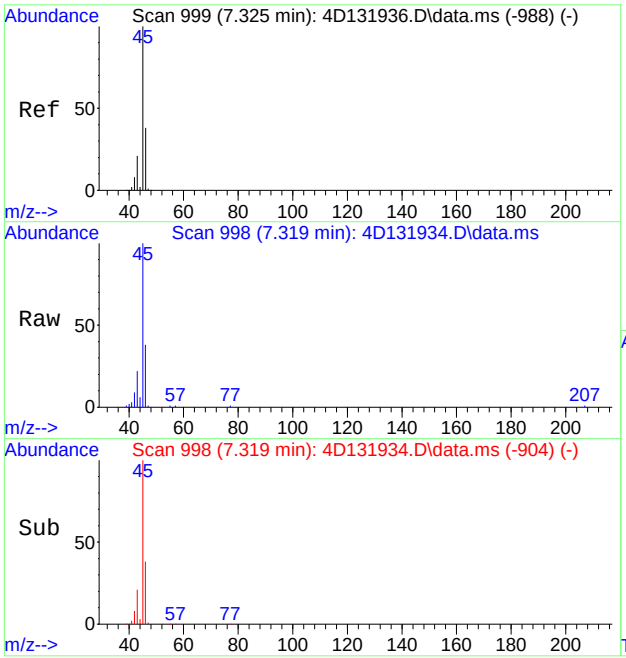


#2
tertiary butyl alcohol
Concen: 36.63 ug/L
RT: 8.955 min Scan# 1310
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 59 Resp: 55506

Ion	Ratio	Lower	Upper
59	100		
41	19.6	0.0	49.8
43	13.8	0.0	43.7

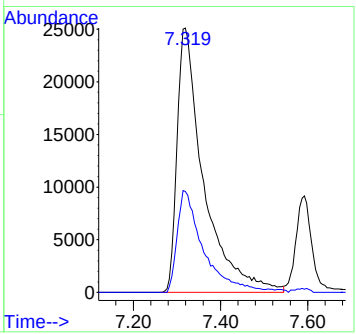


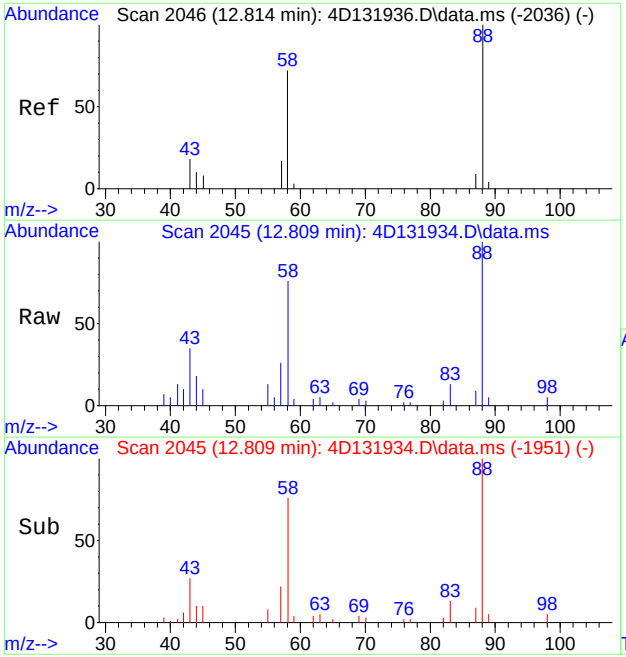


#3
ethanol
Concen: 735.18 ug/L
RT: 7.319 min Scan# 998
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 45 Resp: 106351

Ion	Ratio	Lower	Upper
45	100		
46	38.2	8.2	68.2

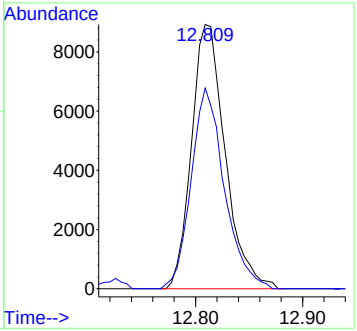


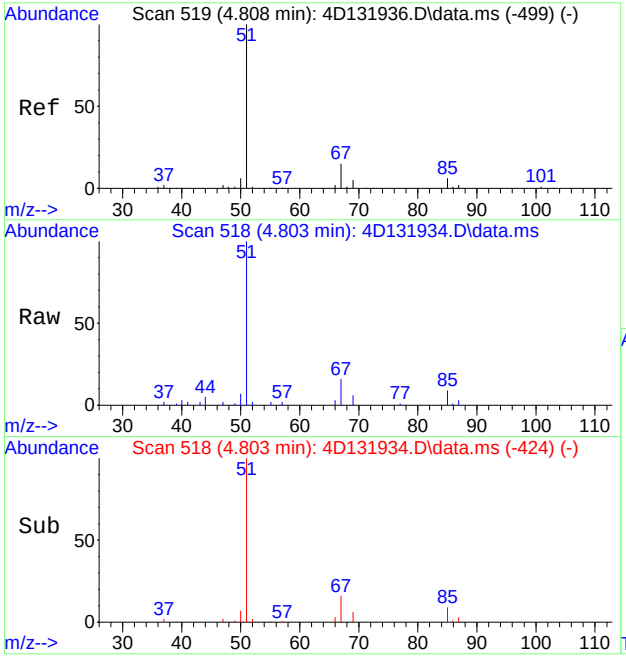


#4
1,4-dioxane
Concen: 213.57 ug/L
RT: 12.809 min Scan# 2045
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 88 Resp: 19554

Ion	Ratio	Lower	Upper
88	100		
58	75.9	43.1	103.1

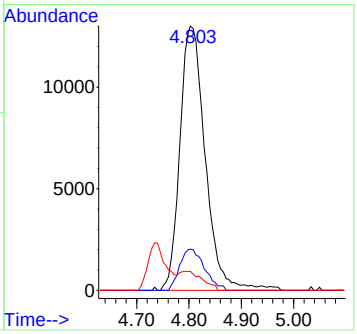


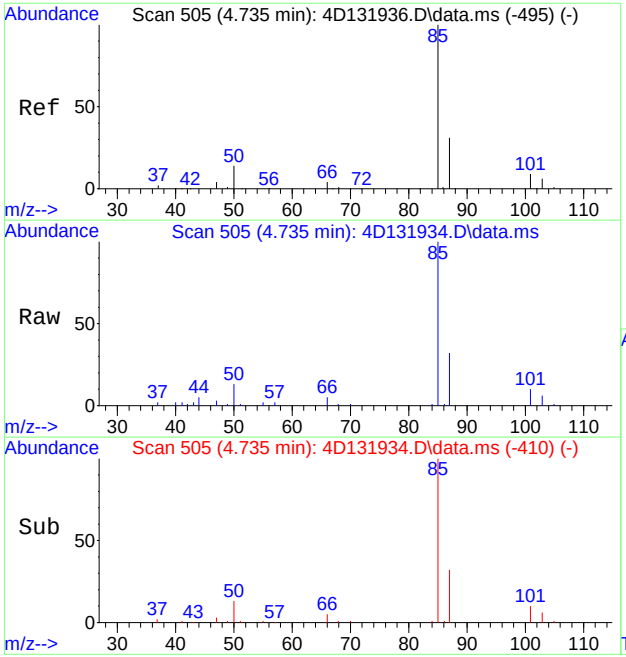


#6
chlorodifluoromethane
Concen: 7.66 ug/L
RT: 4.803 min Scan# 518
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 51 Resp: 43770

Ion	Ratio	Lower	Upper
51	100		
67	15.6	0.0	45.1
50	7.2	0.0	36.9

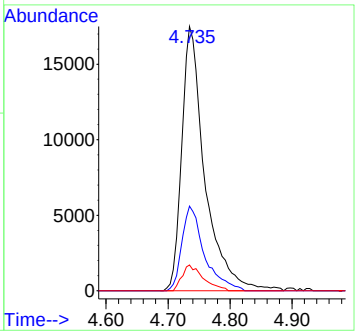


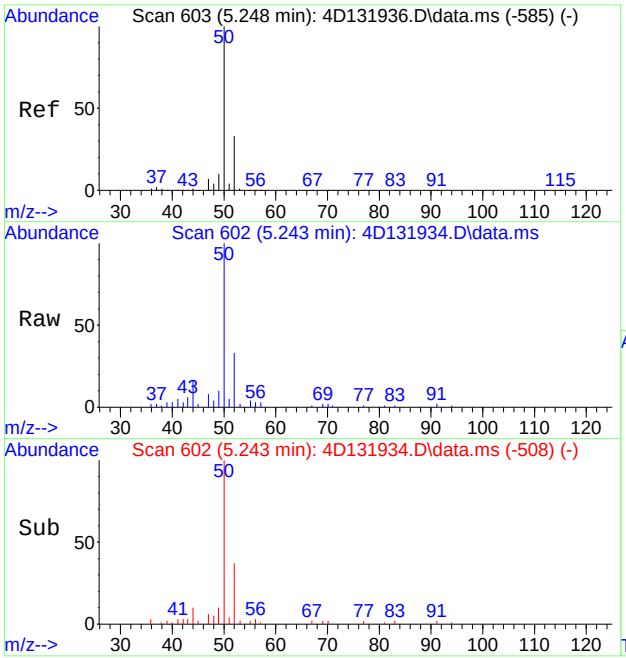


#7
dichlorodifluoromethane
Concen: 7.26 ug/L
RT: 4.735 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 85 Resp: 45328

Ion	Ratio	Lower	Upper
85	100		
87	32.0	1.4	61.4
101	9.7	0.0	39.3

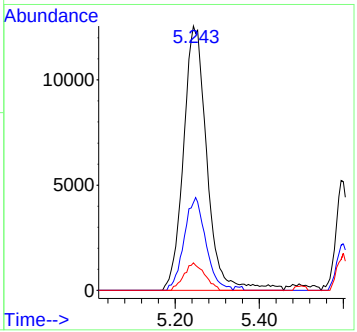


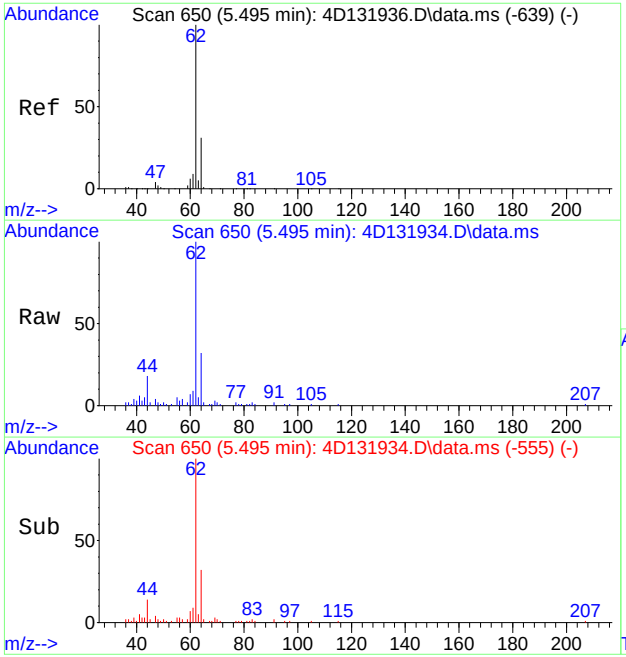


#8
chloromethane
Concen: 6.84 ug/L
RT: 5.243 min Scan# 602
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 50 Resp: 48720

Ion	Ratio	Lower	Upper
50	100		
52	33.2	2.8	62.8
49	10.4	0.0	40.0

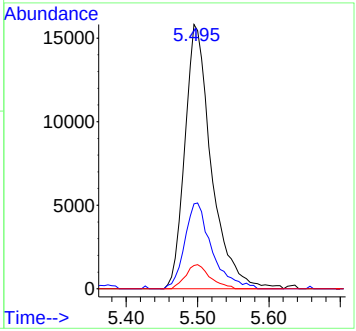


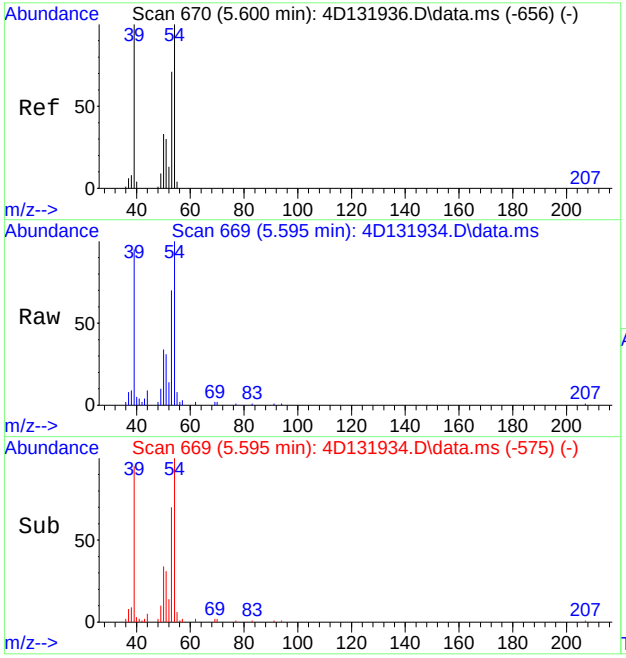


#9
vinyl chloride
Concen: 7.31 ug/L
RT: 5.495 min Scan# 650
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 62 Resp: 40892

Ion	Ratio	Lower	Upper
62	100		
64	32.1	1.2	61.2
61	8.8	0.0	38.7

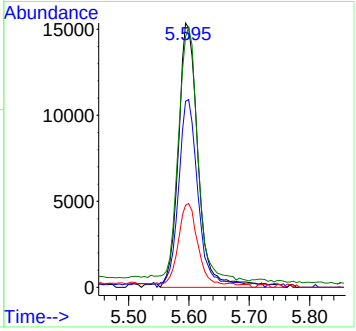


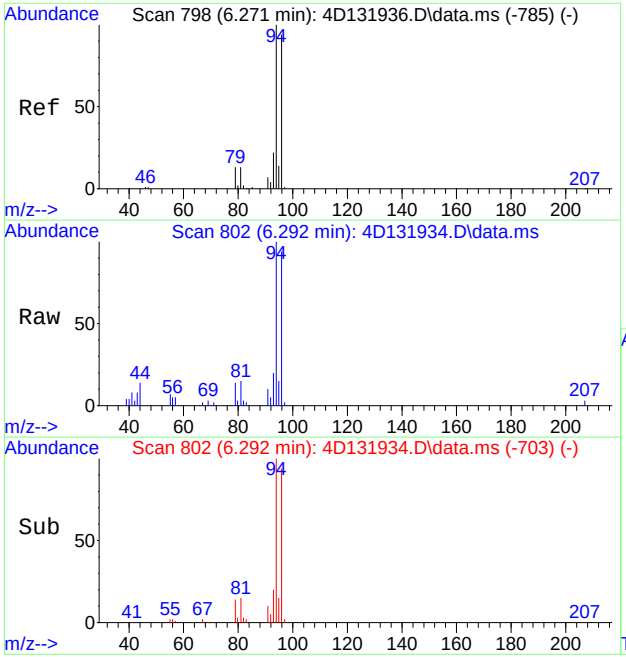


#10
1,3-butadiene
Concen: 7.72 ug/L
RT: 5.595 min Scan# 669
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 54 Resp: 35241

Ion	Ratio	Lower	Upper
54	100		
53	69.1	41.0	101.0
51	31.1	0.0	59.6
39	92.5	79.8	119.8

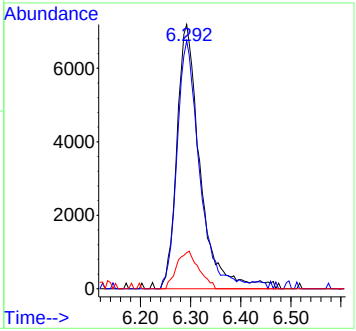


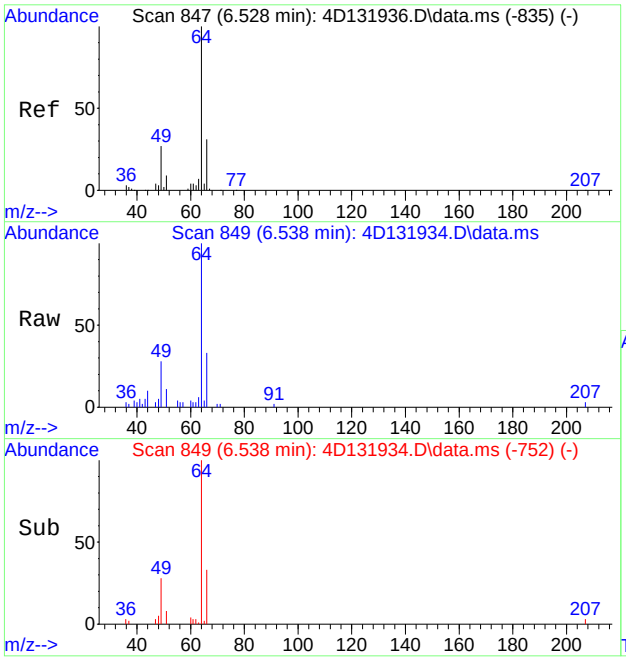


#11
bromomethane
Concen: 7.27 ug/L
RT: 6.292 min Scan# 802
Delta R.T. 0.021 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 94 Resp: 23209

Ion	Ratio	Lower	Upper
94	100		
96	93.7	63.6	123.6
79	13.6	0.0	43.4

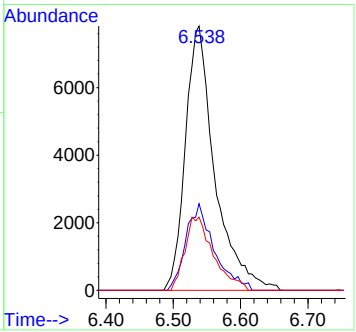


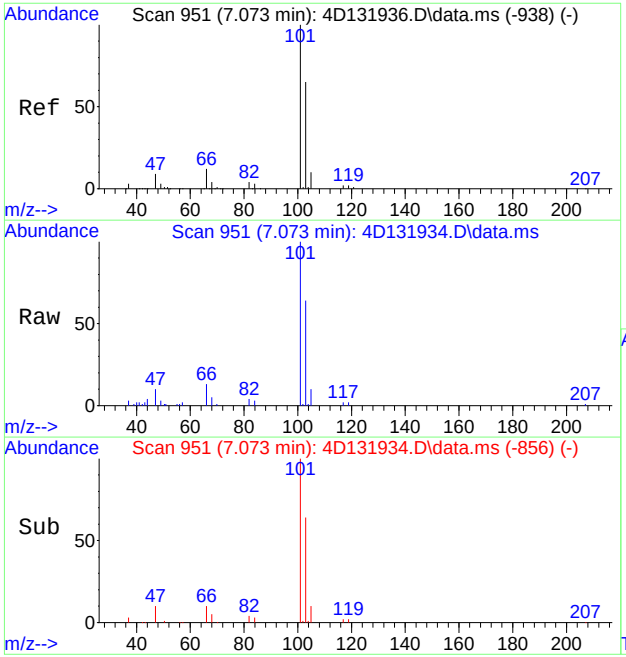


#12
chloroethane
Concen: 7.15 ug/L
RT: 6.538 min Scan# 849
Delta R.T. 0.010 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 64 Resp: 23772

Ion	Ratio	Lower	Upper
64	100		
66	32.8	1.2	61.2
49	27.7	0.0	57.3

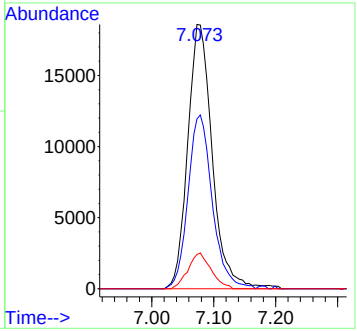


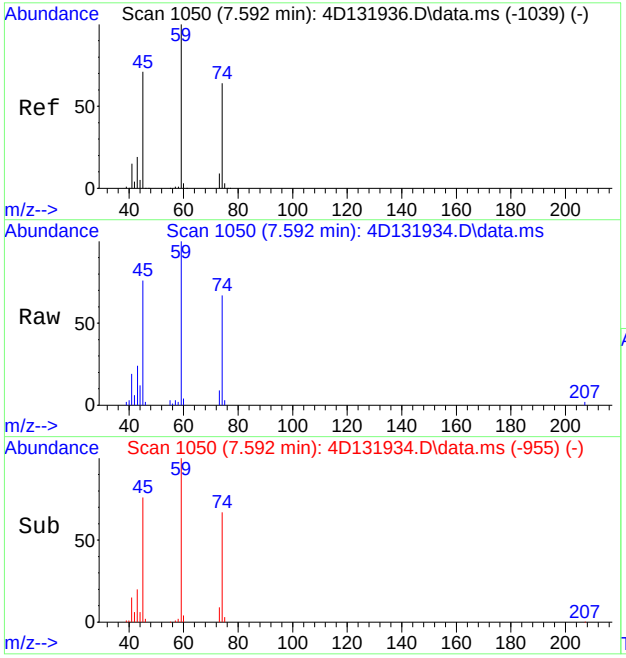


#13
trichlorofluoromethane
Concen: 7.87 ug/L
RT: 7.073 min Scan# 951
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:101 Resp: 51362

Ion	Ratio	Lower	Upper
101	100		
103	64.2	35.1	95.1
66	13.0	0.0	42.2

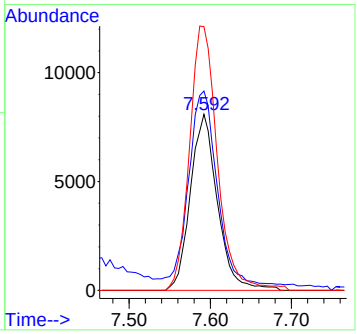


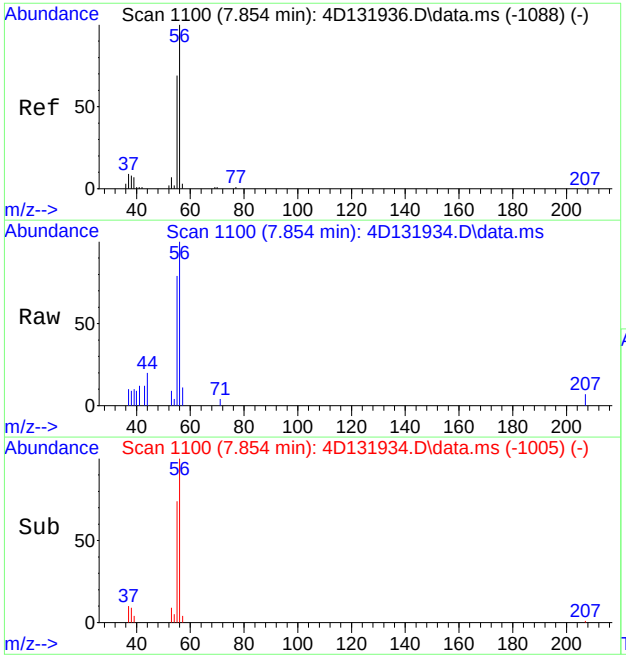


#14
ethyl ether
Concen: 8.45 ug/L
RT: 7.592 min Scan# 1050
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 74 Resp: 18809

Ion	Ratio	Lower	Upper
74	100		
45	109.9	89.0	149.0
59	149.6	125.8	185.8

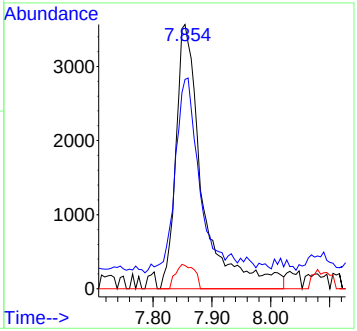


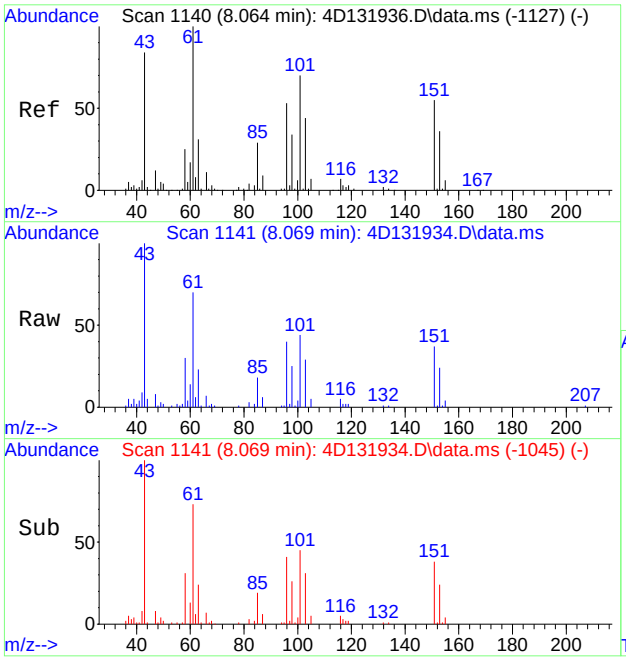


#15
acrolein
Concen: 7.89 ug/L
RT: 7.854 min Scan# 1100
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 56 Resp: 11178

Ion	Ratio	Lower	Upper
56	100		
55	70.9	38.7	98.7
53	8.8	0.0	37.5

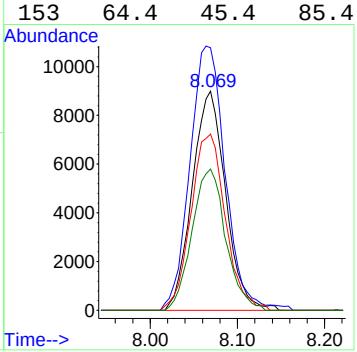


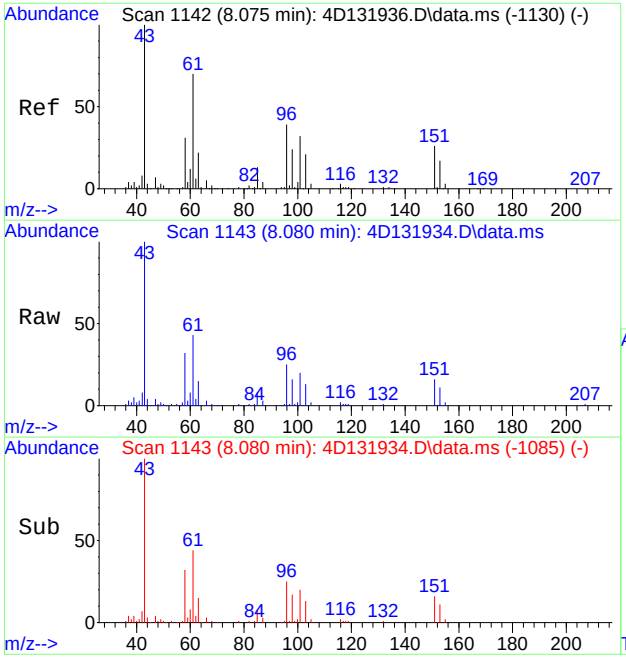


#16
freon 113
Concen: 8.21 ug/L
RT: 8.069 min Scan# 1141
Delta R.T. 0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:151 Resp: 23953

Ion	Ratio	Lower	Upper
151	100		
101	119.8	107.6	147.6
103	80.4	61.2	101.2
153	64.4	45.4	85.4

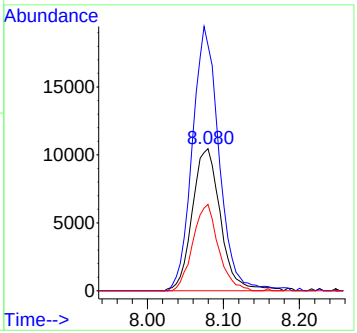


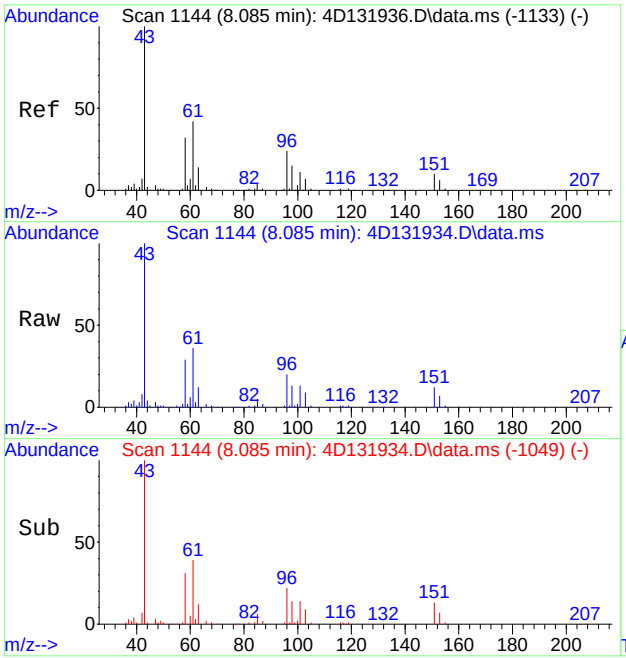


#17
1,1-dichloroethene
Concen: 7.88 ug/L
RT: 8.080 min Scan# 1143
Delta R.T. 0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 96 Resp: 27002

Ion	Ratio	Lower	Upper
96	100		
61	172.7	149.0	209.0
63	60.8	26.1	86.1

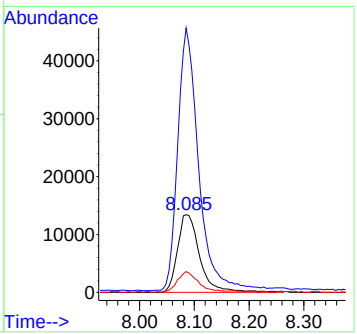


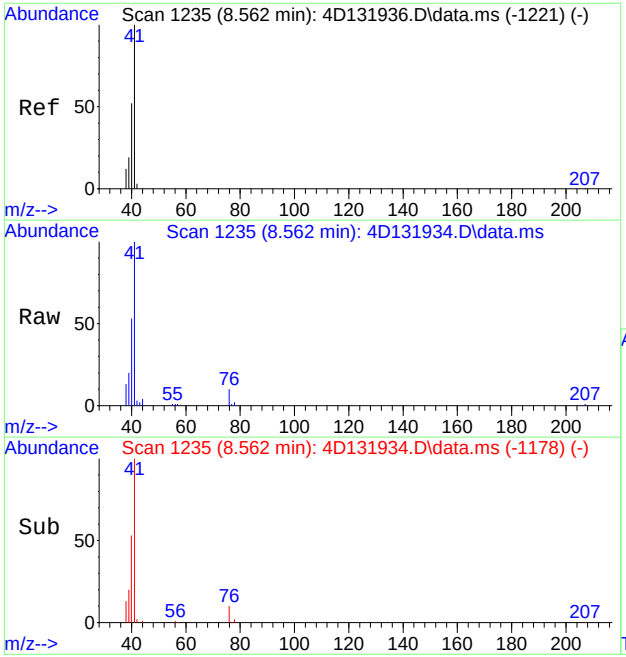


#18
acetone
Concen: 37.56 ug/L
RT: 8.085 min Scan# 1144
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 58 Resp: 38094

Ion	Ratio	Lower	Upper
58	100		
43	338.0	285.1	345.1
42	26.6	0.0	53.5

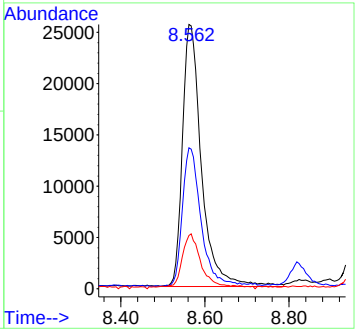


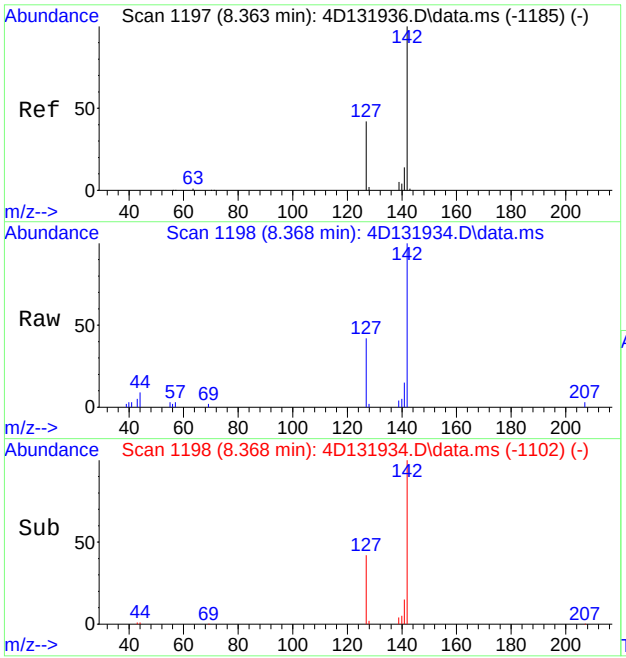


#19
acetonitrile
Concen: 79.31 ug/L
RT: 8.562 min Scan# 1235
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 41 Resp: 80601

Ion	Ratio	Lower	Upper
41	100		
40	52.7	22.4	82.4
39	19.5	0.0	49.2

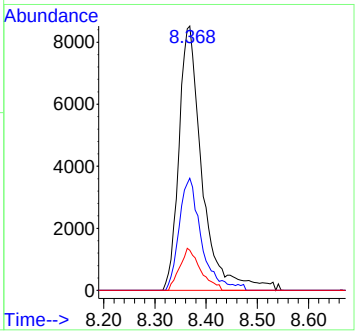


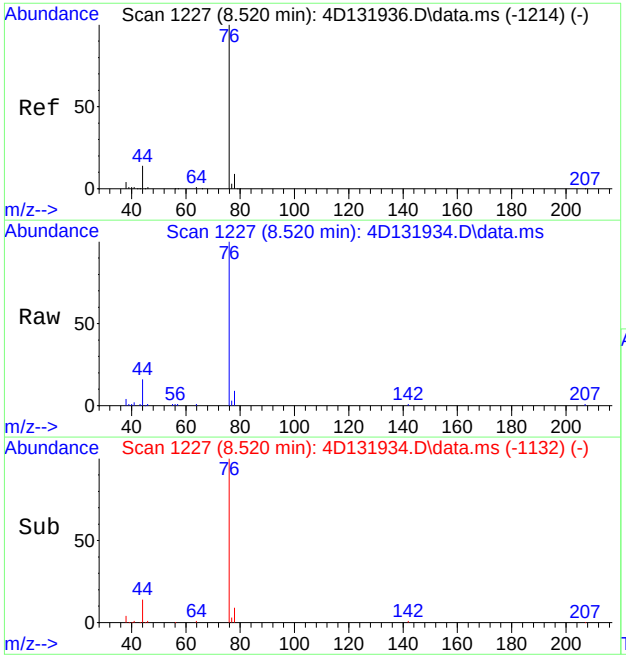


#20
iodomethane
Concen: 8.18 ug/L
RT: 8.368 min Scan# 1198
Delta R.T. 0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:142 Resp: 26883

Ion	Ratio	Lower	Upper
142	100		
127	42.4	11.7	71.7
141	15.1	0.0	44.4

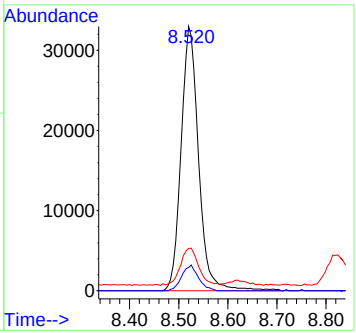


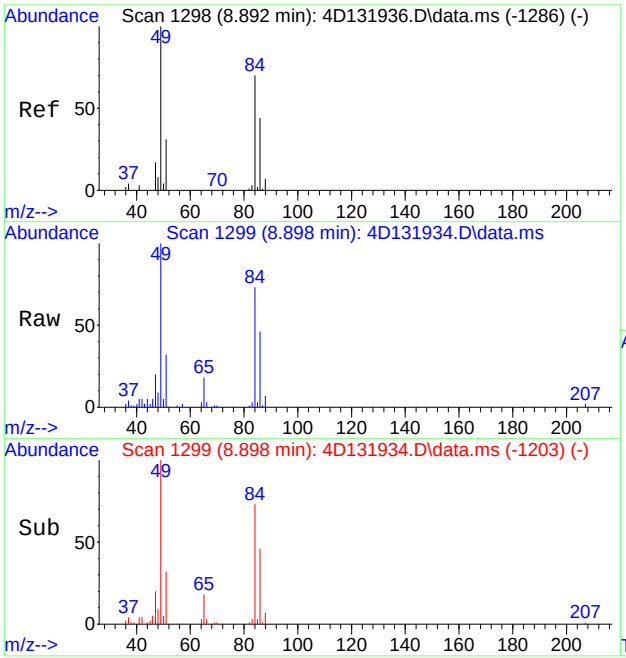


#21
carbon disulfide
Concen: 7.52 ug/L
RT: 8.520 min Scan# 1227
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 76 Resp: 82027

Ion	Ratio	Lower	Upper
76	100		
78	8.8	0.0	39.2
44	14.0	0.0	44.4

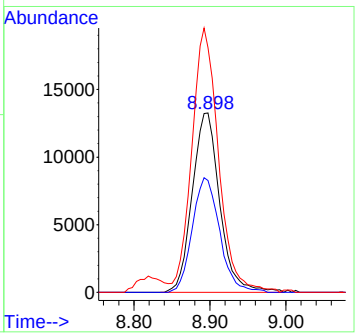


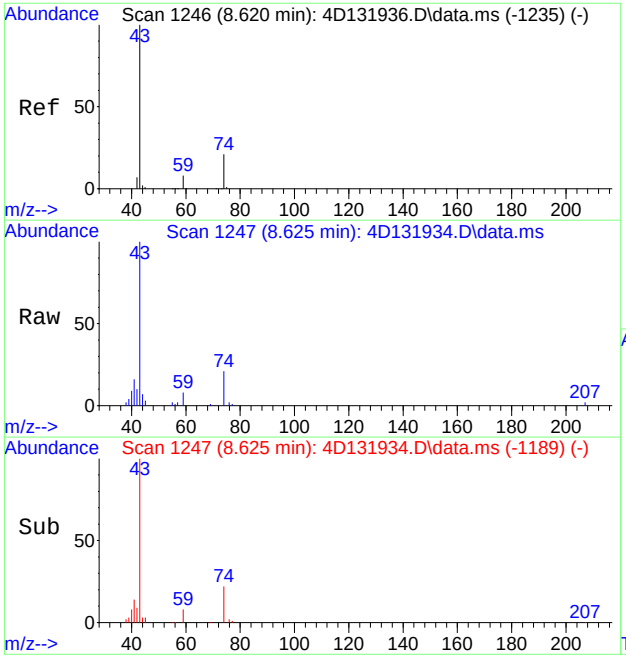


#22
methylene chloride
Concen: 6.85 ug/L
RT: 8.898 min Scan# 1299
Delta R.T. 0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 84 Resp: 33457

Ion	Ratio	Lower	Upper
84	100		
86	62.4	33.7	93.7
49	135.1	114.9	174.9

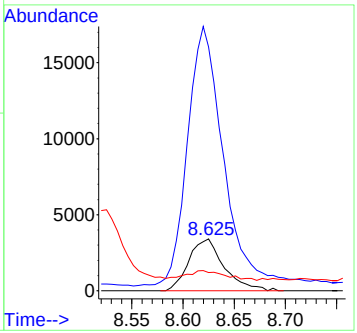


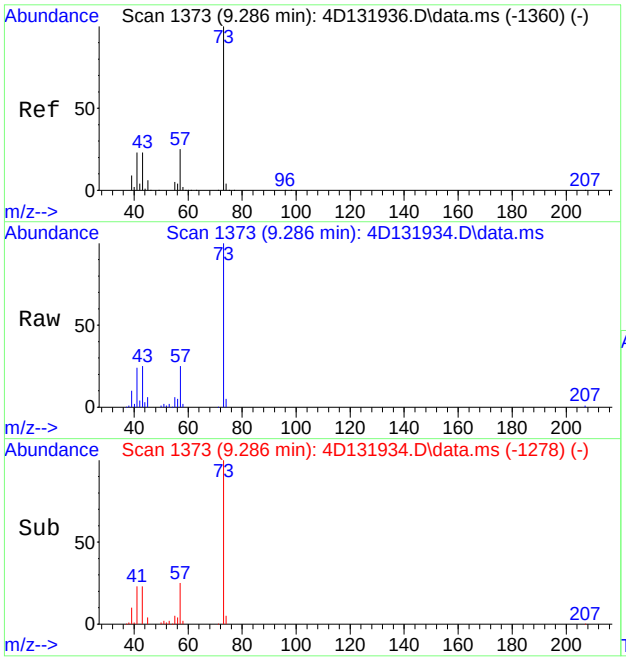


#23
methyl acetate
Concen: 7.84 ug/L
RT: 8.625 min Scan# 1247
Delta R.T. 0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 74 Resp: 8171

Ion	Ratio	Lower	Upper
74	100		
43	451.9	453.1	513.1#
44	13.2	0.0	45.1

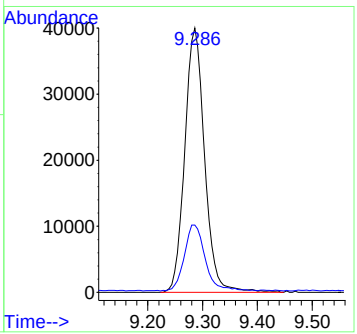


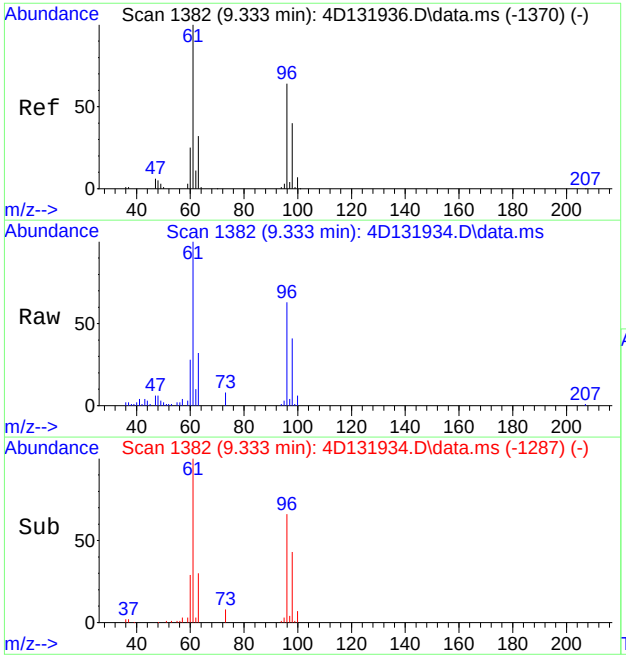


#24
methyl tert butyl ether
Concen: 7.86 ug/L
RT: 9.286 min Scan# 1373
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 73 Resp: 100862

Ion	Ratio	Lower	Upper
73	100		
57	24.9	0.0	224.6

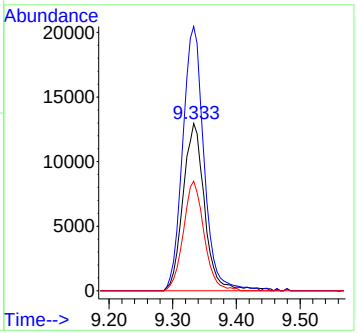


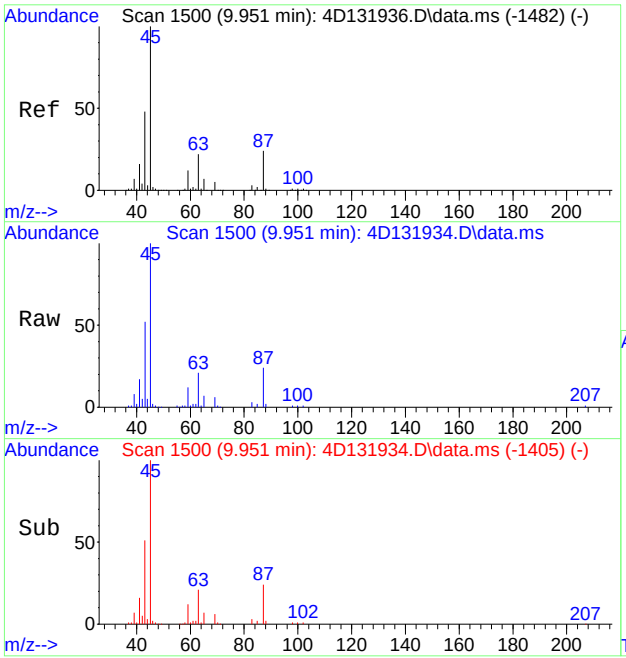


#25
trans-1,2-dichloroethene
Concen: 7.84 ug/L
RT: 9.333 min Scan# 1382
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 96 Resp: 30686

Ion	Ratio	Lower	Upper
96	100		
61	158.0	126.5	186.5
98	65.5	33.3	93.3

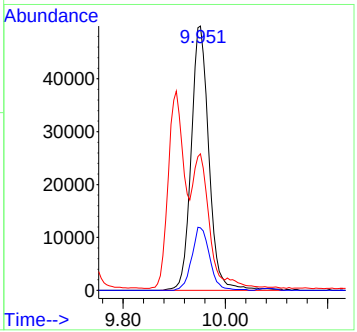


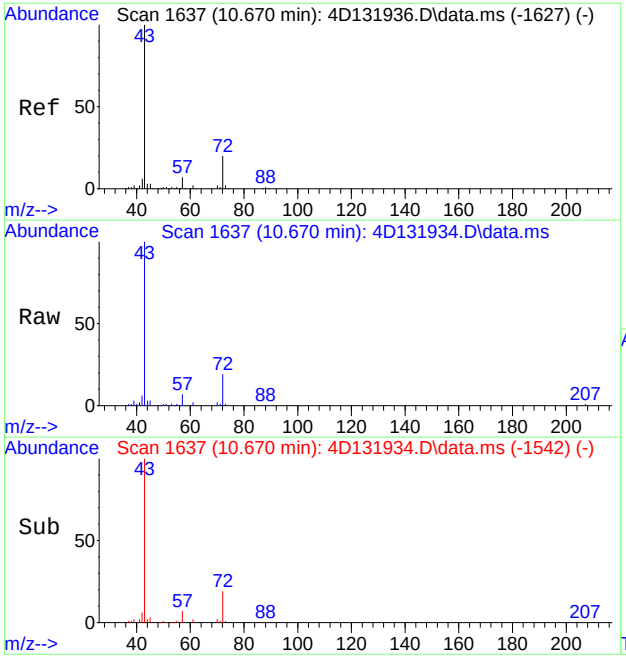


#26
di-isopropyl ether
Concen: 7.73 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 45 Resp: 120352

Ion	Ratio	Lower	Upper
45	100		
87	23.6	0.0	54.4
43	50.7	18.8	78.8

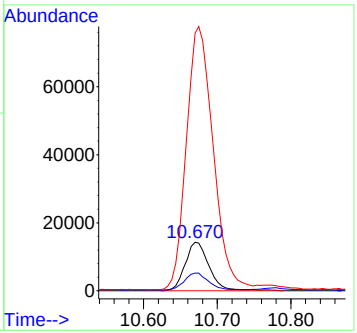


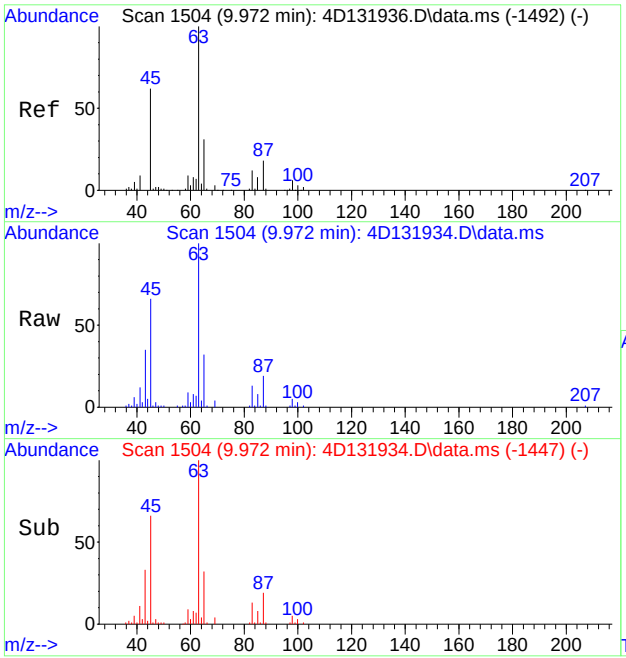


#27
2-butanone
Concen: 35.62 ug/L
RT: 10.670 min Scan# 1637
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 72 Resp: 32423

Ion	Ratio	Lower	Upper
72	100		
57	34.6	3.7	63.7
43	527.6	475.8	535.8

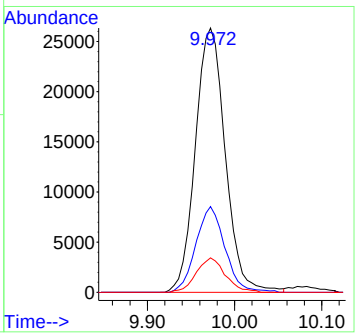


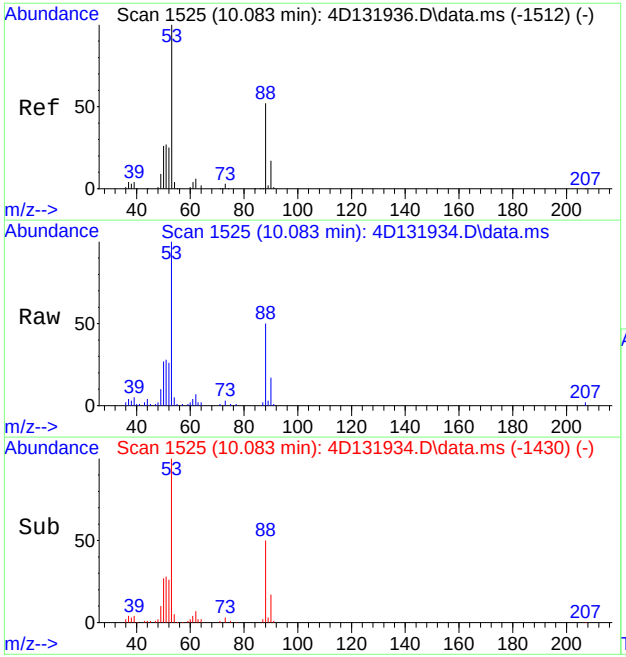


#28
1,1-dichloroethane
Concen: 7.95 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 63 Resp: 62869

Ion	Ratio	Lower	Upper
63	100		
65	32.5	0.9	60.9
83	13.0	0.0	42.3

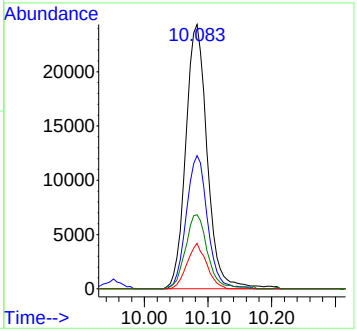


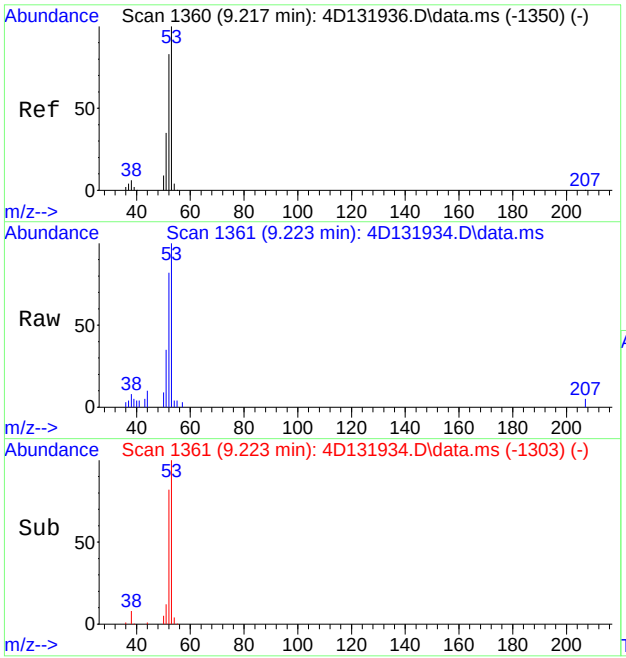


#29
chloroprene
Concen: 8.02 ug/L
RT: 10.083 min Scan# 1525
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 53 Resp: 57313

Ion	Ratio	Lower	Upper
53	100		
88	50.4	21.8	81.8
90	17.2	0.0	47.2
51	28.0	0.0	57.5

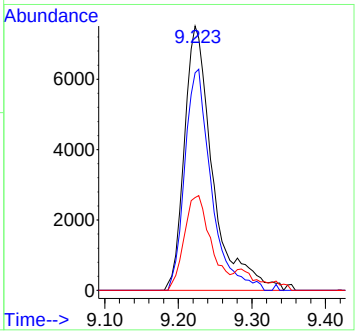


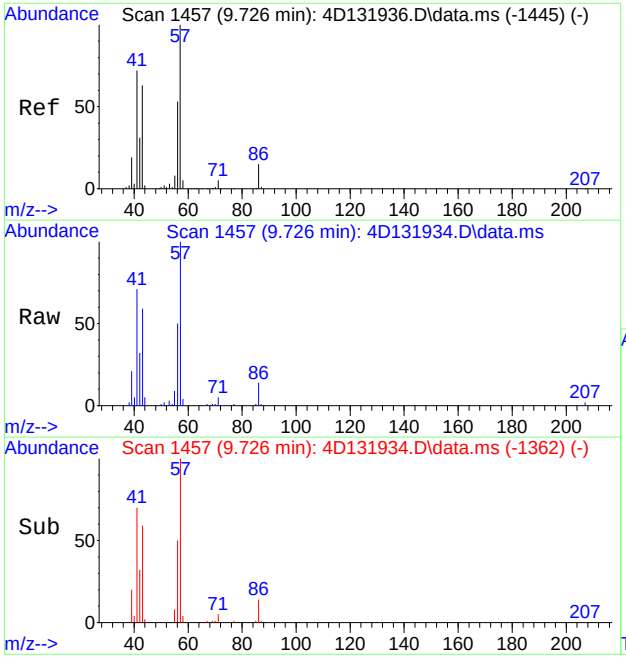


#30
acrylonitrile
Concen: 7.55 ug/L
RT: 9.223 min Scan# 1361
Delta R.T. 0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 53 Resp: 20200

Ion	Ratio	Lower	Upper
53	100		
52	82.3	53.4	113.4
51	35.1	5.0	65.0

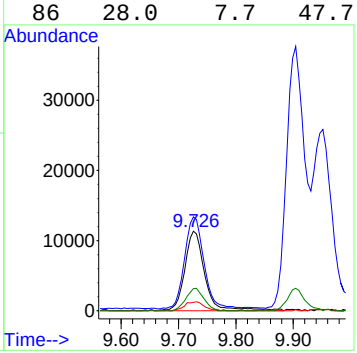


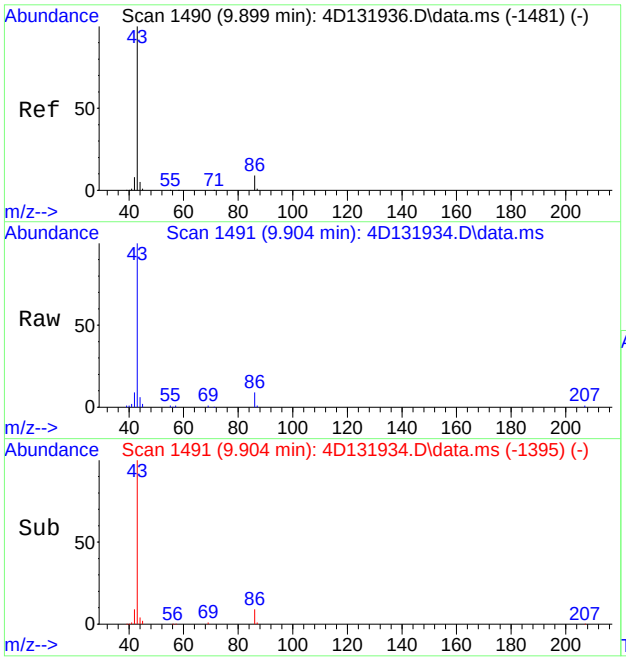


#31
hexane
Concen: 7.18 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 56 Resp: 27505

Ion	Ratio	Lower	Upper
56	100		
43	115.6	98.5	138.5
71	10.5	0.0	30.3
86	28.0	7.7	47.7

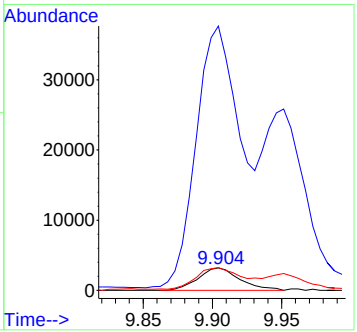


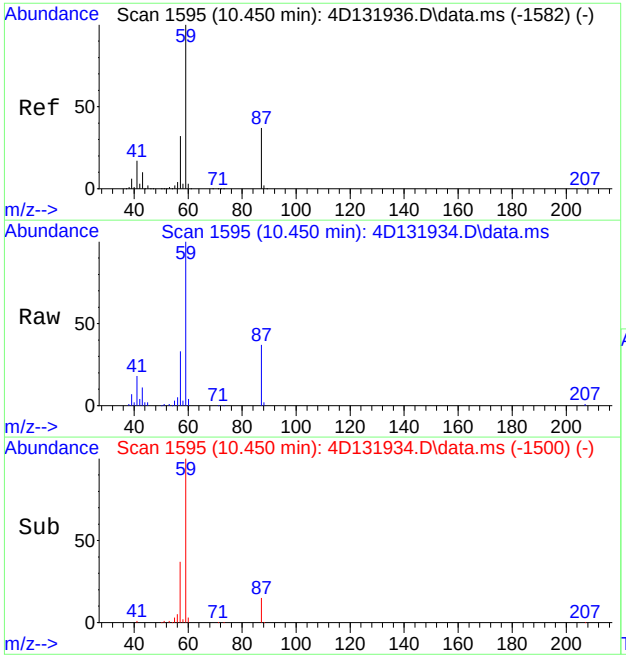


#32
vinyl acetate
Concen: 7.30 ug/L
RT: 9.904 min Scan# 1491
Delta R.T. 0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 86 Resp: 6672

Ion	Ratio	Lower	Upper
86	100		
43	1156.3	1142.7	1202.7
42	94.9	69.4	129.4

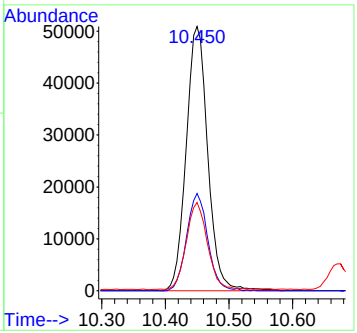


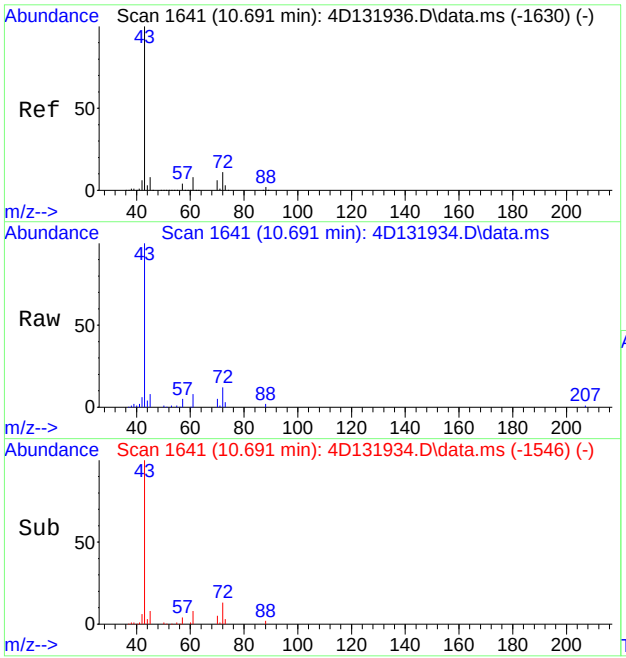


#33
ethyl tert-butyl ether
Concen: 7.89 ug/L
RT: 10.450 min Scan# 1595
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 59 Resp: 120157

Ion	Ratio	Lower	Upper
59	100		
87	36.8	6.6	66.6
57	32.7	2.2	62.2

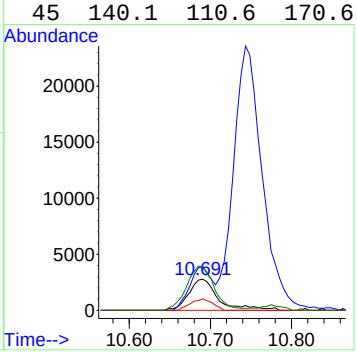


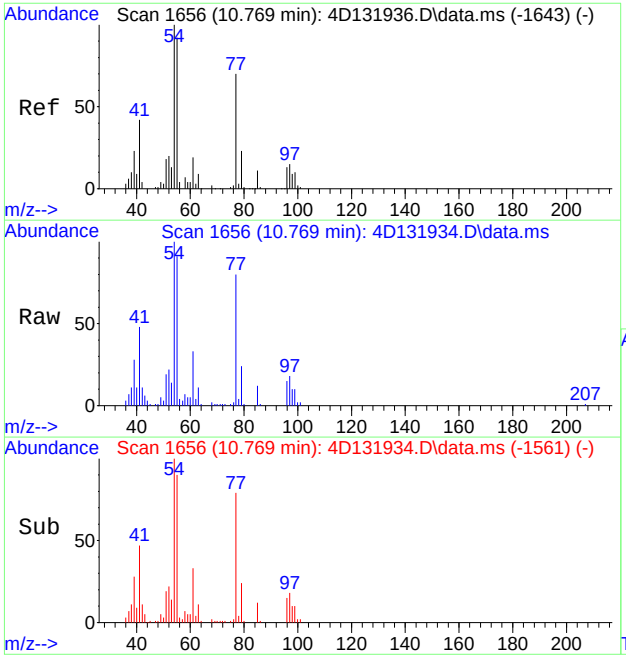


#34
ethyl acetate
Concen: 7.67 ug/L
RT: 10.691 min Scan# 1641
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 70 Resp: 7131

Ion	Ratio	Lower	Upper
70	100		
61	139.9	108.4	168.4
88	36.6	5.9	65.9
45	140.1	110.6	170.6

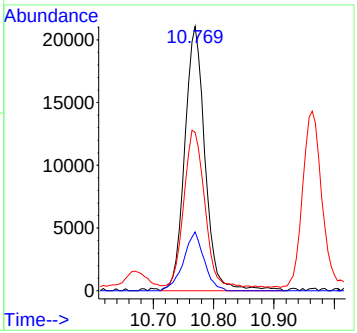


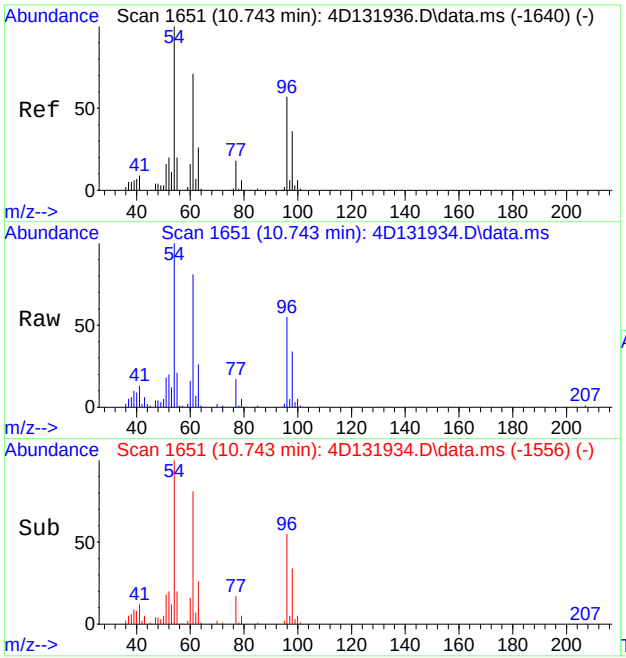


#35
2,2-dichloropropane
Concen: 7.17 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 77 Resp: 49347

Ion	Ratio	Lower	Upper
77	100		
97	22.3	0.0	51.9
41	58.1	29.6	89.6

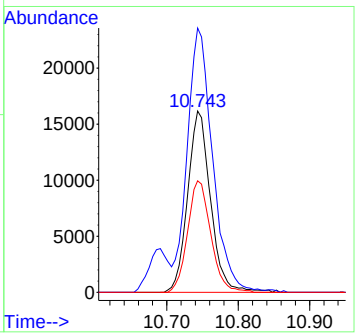


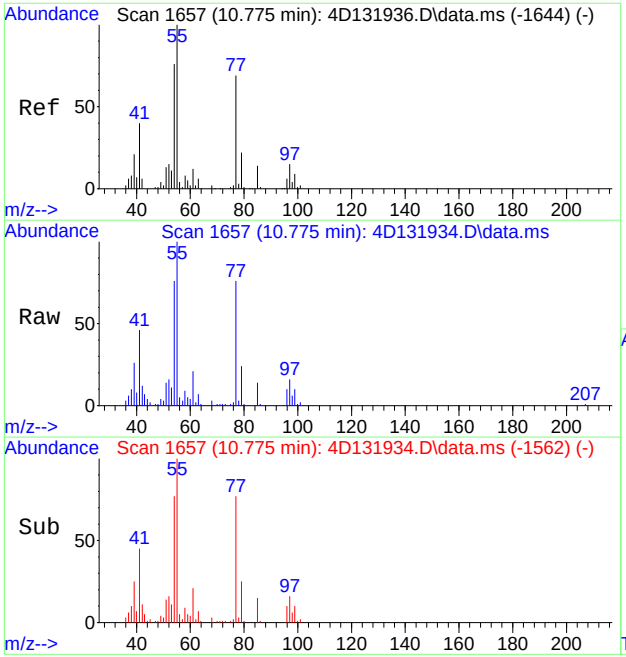


#36
cis-1,2-dichloroethene
Concen: 7.79 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 96 Resp: 36174

Ion	Ratio	Lower	Upper
96	100		
61	144.9	119.6	179.6
98	61.5	34.3	94.3

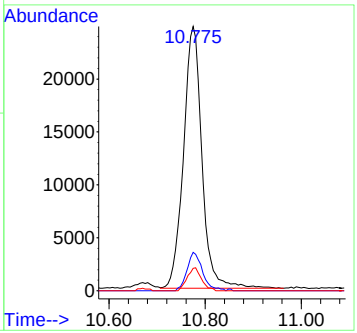


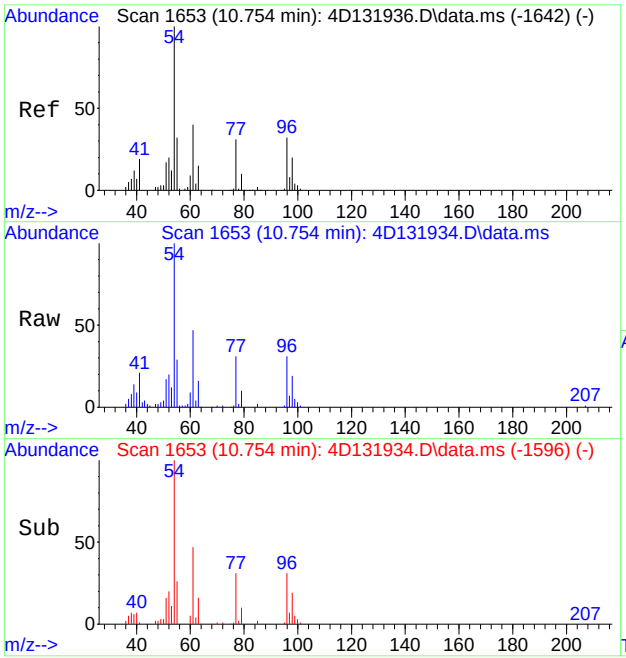


#37
methyl acrylate
Concen: 8.00 ug/L
RT: 10.775 min Scan# 1657
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 55 Resp: 66098

Ion	Ratio	Lower	Upper
55	100		
85	14.6	0.0	43.7
58	8.6	0.0	38.0

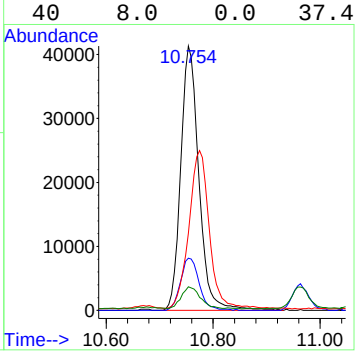


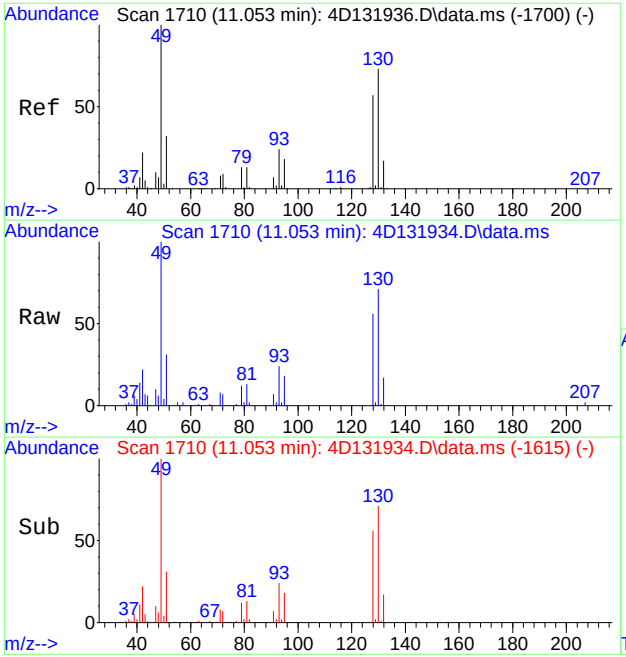


#38
propionitrile
Concen: 81.06 ug/L
RT: 10.754 min Scan# 1653
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 54 Resp: 97335

Ion	Ratio	Lower	Upper
54	100		
52	19.7	0.0	49.8
55	28.3	2.6	62.6
40	8.0	0.0	37.4

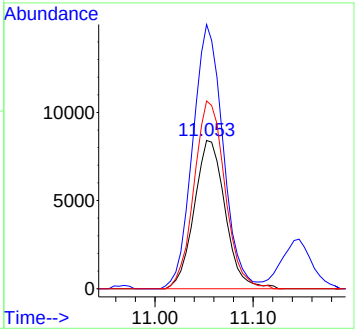


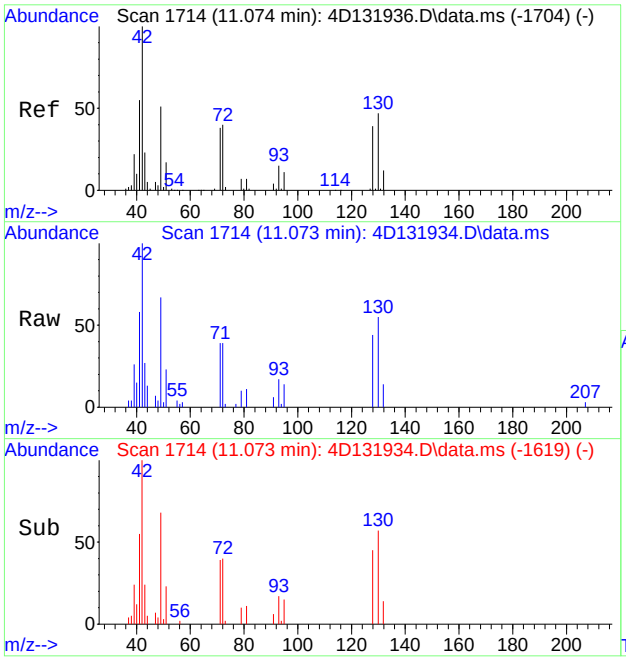


#39
bromochloromethane
Concen: 8.12 ug/L
RT: 11.053 min Scan# 1710
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:128 Resp: 18491

Ion	Ratio	Lower	Upper
128	100		
49	178.2	145.9	205.9
130	126.5	97.8	157.8

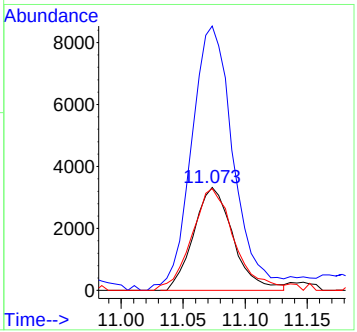


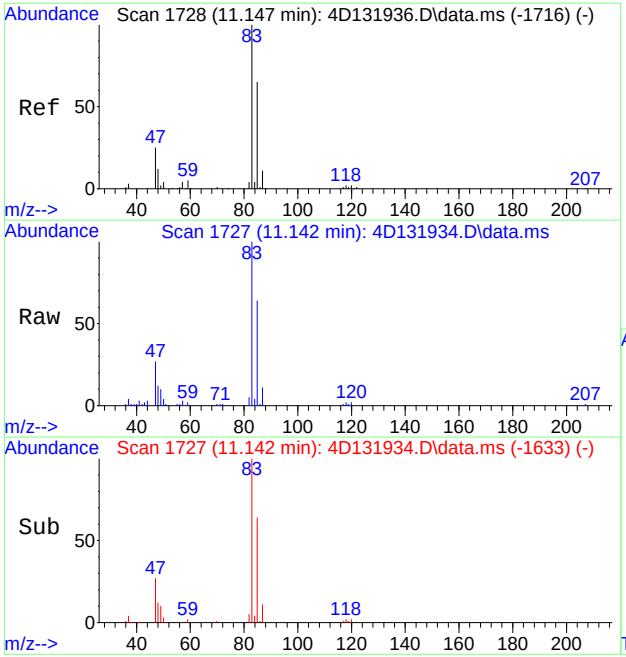


#40
tetrahydrofuran
Concen: 7.46 ug/L
RT: 11.073 min Scan# 1714
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 72 Resp: 7391

Ion	Ratio	Lower	Upper
72	100		
42	251.0	219.9	279.9
71	94.1	66.1	126.1

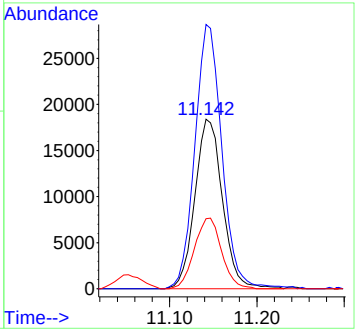


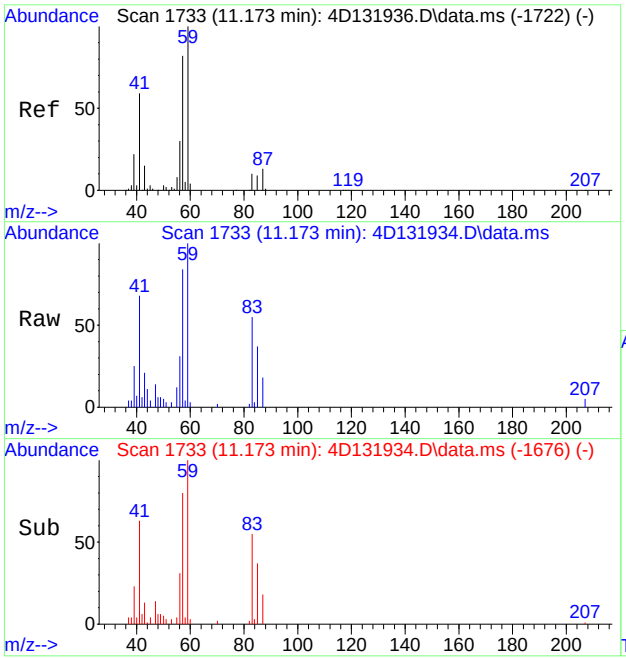


#41
chloroform
Concen: 6.19 ug/L
RT: 11.142 min Scan# 1727
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 85 Resp: 40467

Ion	Ratio	Lower	Upper
85	100		
83	155.9	123.5	183.5
47	41.4	9.8	69.8

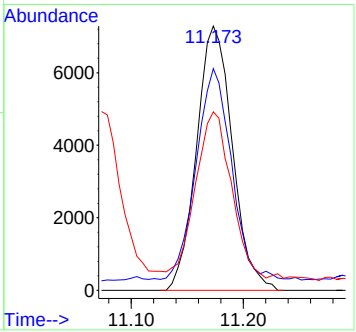


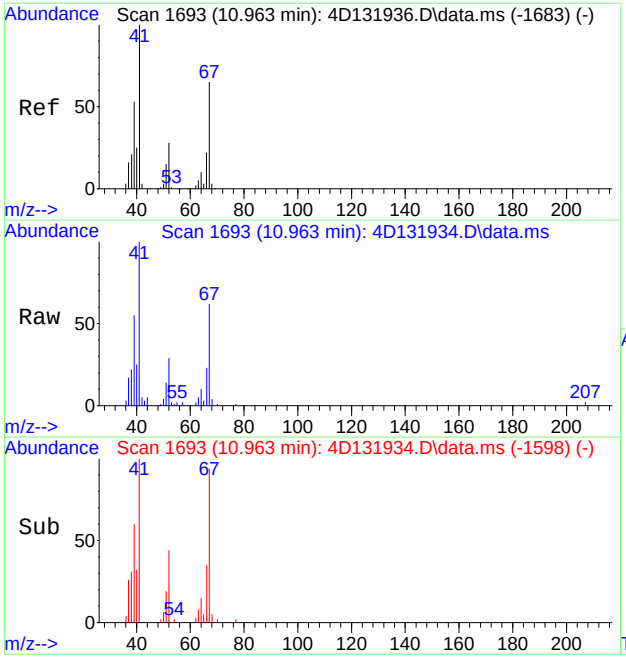


#42
t-butyl formate
Concen: 8.12 ug/L
RT: 11.173 min Scan# 1733
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 59 Resp: 16227

Ion	Ratio	Lower	Upper
59	100		
57	79.7	51.8	111.8
41	62.9	32.4	92.4

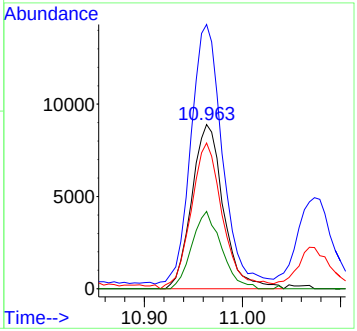


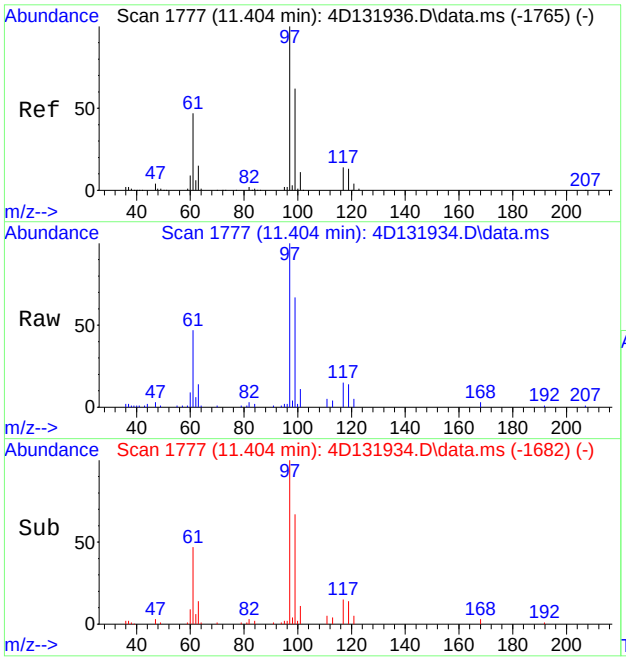


#44
methacrylonitrile
Concen: 7.63 ug/L
RT: 10.963 min Scan# 1693
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 67 Resp: 19936

Ion	Ratio	Lower	Upper
67	100		
41	156.9	123.0	183.0
39	88.7	50.9	110.9
52	47.1	12.9	72.9

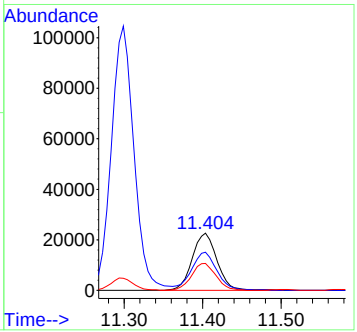


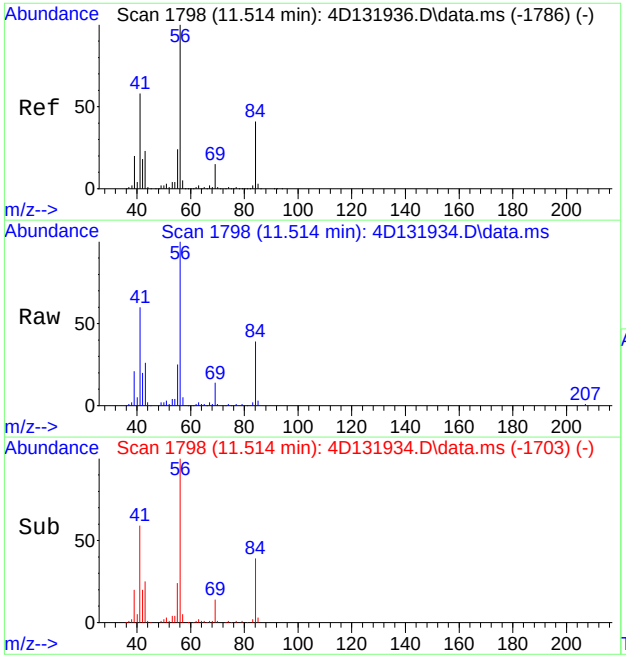


#45
1,1,1-trichloroethane
Concen: 7.97 ug/L
RT: 11.404 min Scan# 1777
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 97 Resp: 49622

Ion	Ratio	Lower	Upper
97	100		
99	66.0	34.4	94.4
61	46.9	16.6	76.6

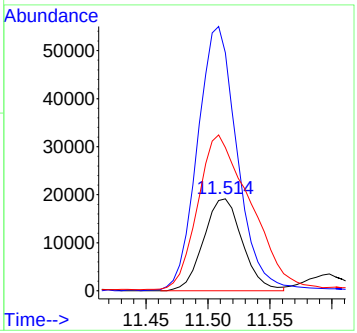


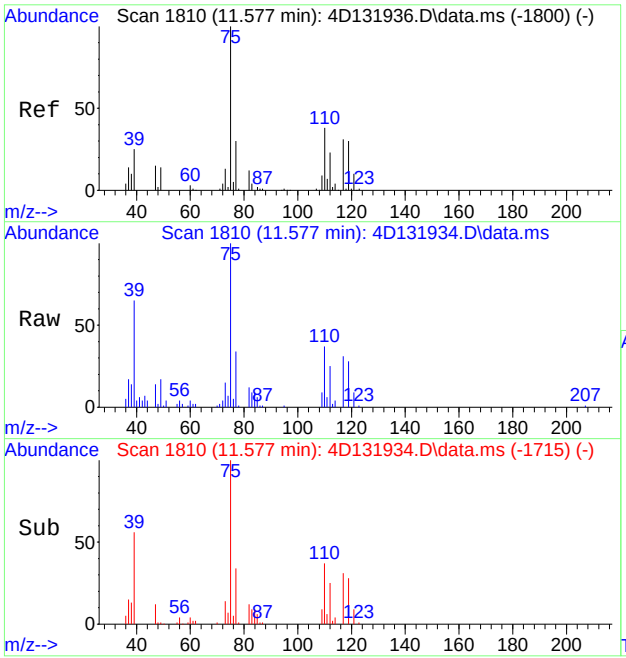


#46
cyclohexane
Concen: 7.23 ug/L
RT: 11.514 min Scan# 1798
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 84 Resp: 41847

Ion	Ratio	Lower	Upper
84	100		
56	256.9	225.3	265.3
41	153.5	121.5	161.5

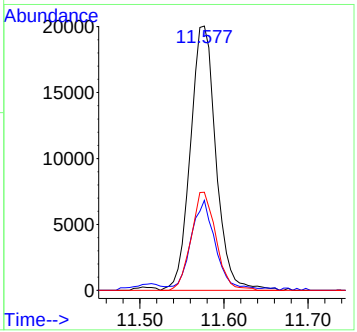


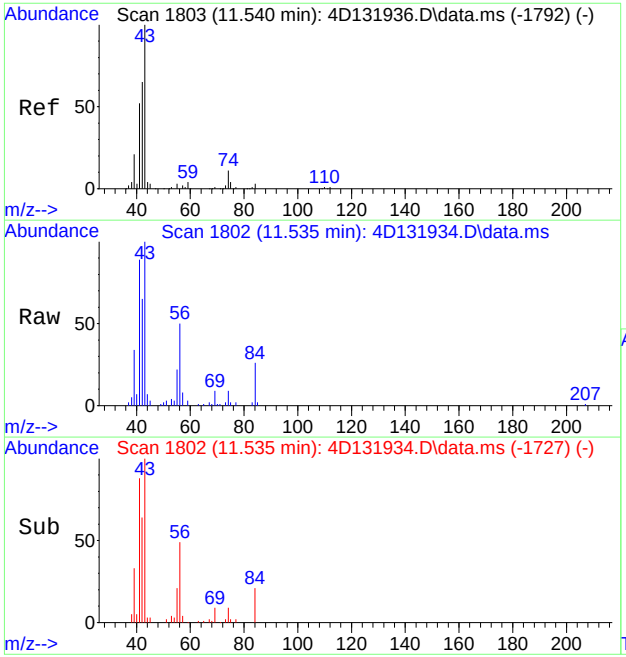


#47
1,1-dichloropropene
Concen: 8.04 ug/L
RT: 11.577 min Scan# 1810
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 75 Resp: 42391

Ion	Ratio	Lower	Upper
75	100		
77	33.2	11.0	51.0
110	37.1	17.6	57.6

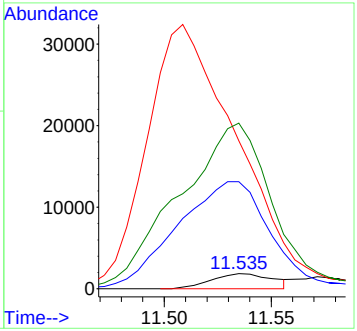


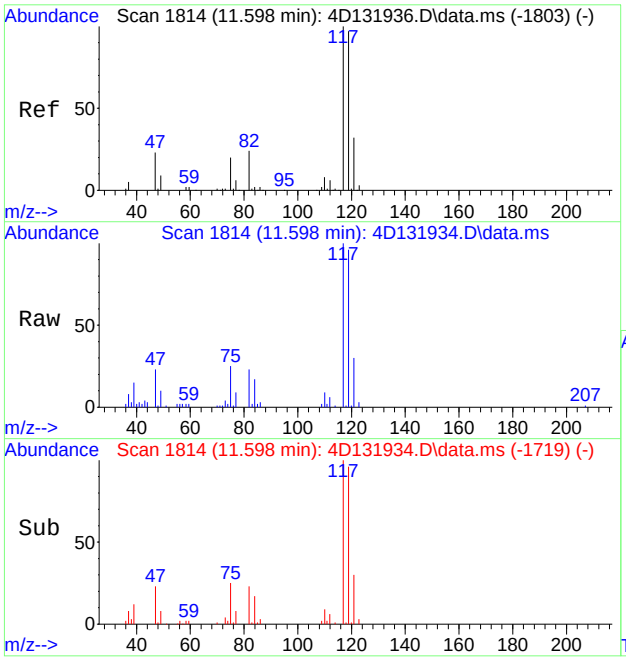


#48
isobutyl alcohol
Concen: 75.30 ug/L
RT: 11.535 min Scan# 1802
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 74 Resp: 3725

Ion	Ratio	Lower	Upper
74	100		
42	466.9	546.1	606.1#
41	670.7	593.5	653.5#
43	731.4	856.3	916.3#

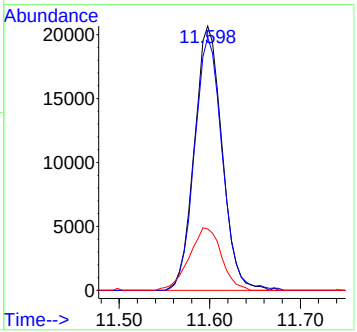


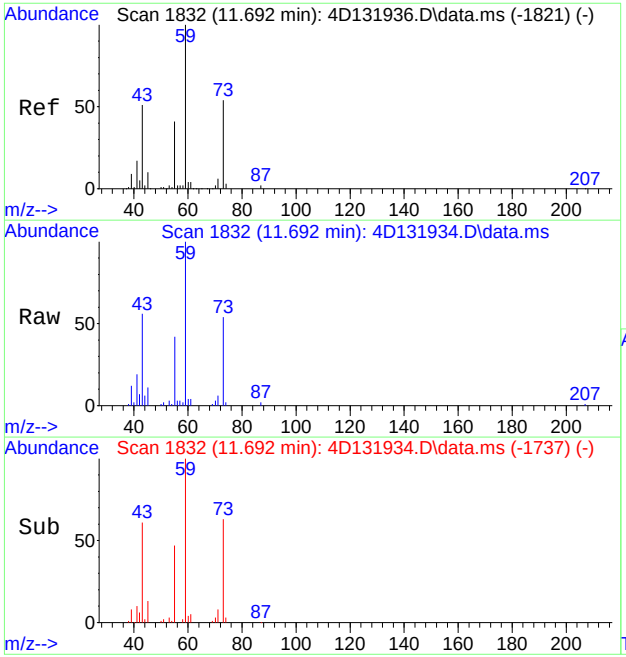


#49
carbon tetrachloride
Concen: 8.18 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:117 Resp: 43880

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.2	117.2
82	23.3	4.2	44.2

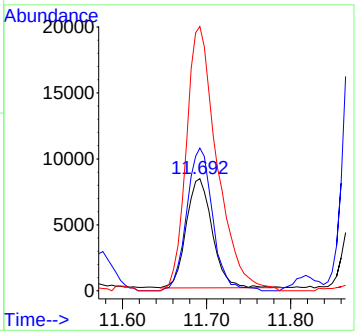


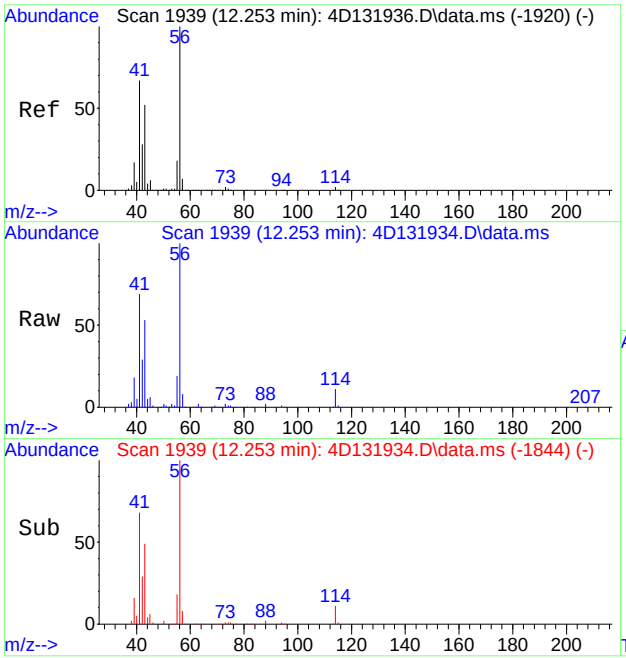


#50
tert amyl alcohol
Concen: 37.43 ug/L
RT: 11.692 min Scan# 1832
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 55 Resp: 17774

Ion	Ratio	Lower	Upper
55	100		
73	130.7	100.3	160.3
59	242.3	213.3	273.3

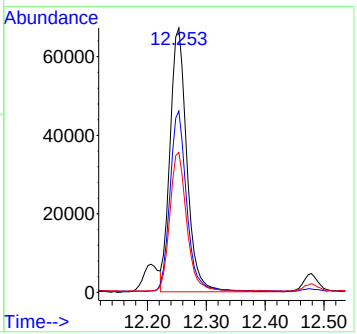


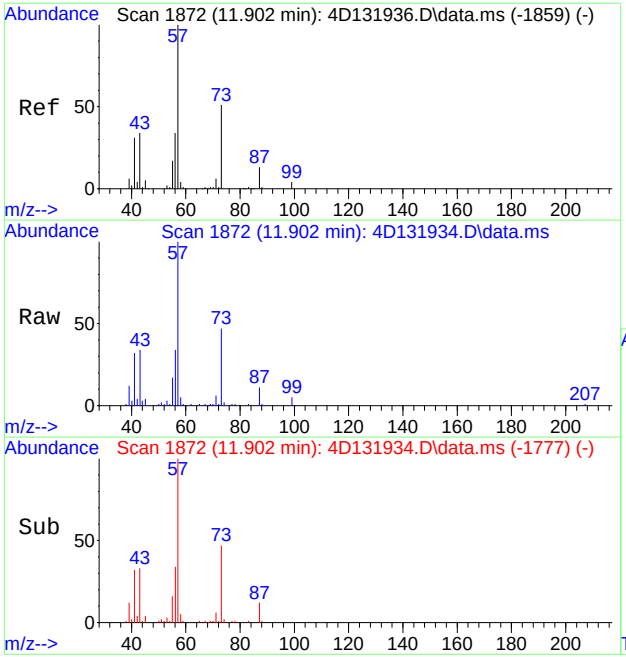


#53
n-butyl alcohol
Concen: 379.00 ug/L
RT: 12.253 min Scan# 1939
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 56 Resp: 133256

Ion	Ratio	Lower	Upper
56	100		
41	68.3	36.6	96.6
43	52.6	22.4	82.4

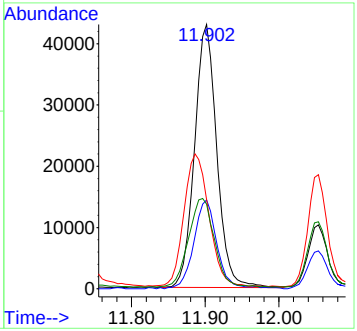


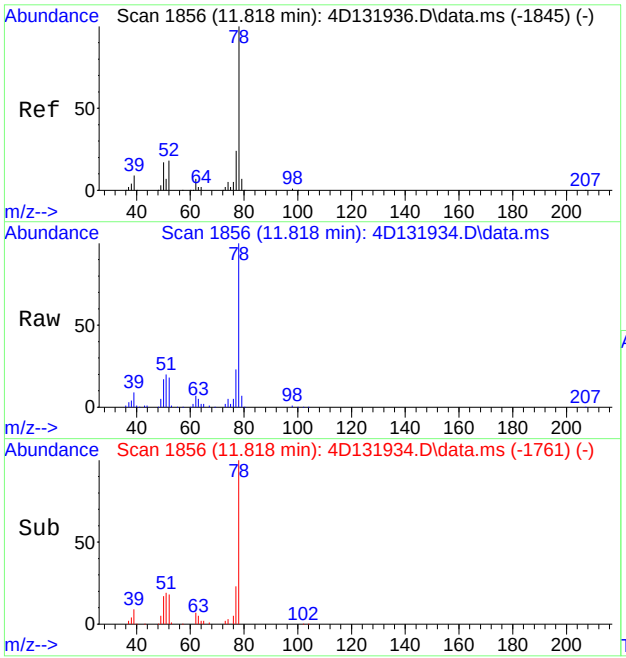


#54
2,2,4-trimethylpentane
Concen: 7.46 ug/L
RT: 11.902 min Scan# 1872
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 57 Resp: 90241

Ion	Ratio	Lower	Upper
57	100		
56	33.8	3.6	63.6
43	33.1	4.6	64.6
41	31.4	0.9	60.9

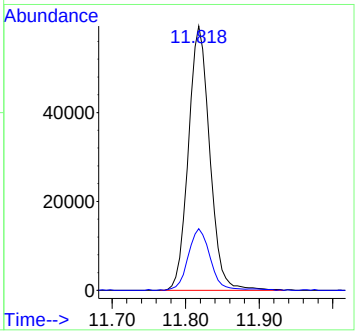


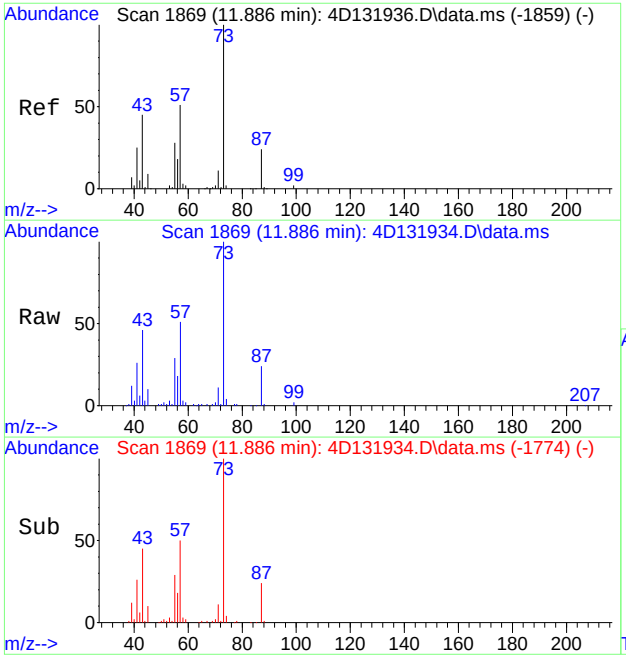


#55
benzene
Concen: 7.78 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 78 Resp: 119754

Ion	Ratio	Lower	Upper
78	100		
77	23.3	0.0	53.7

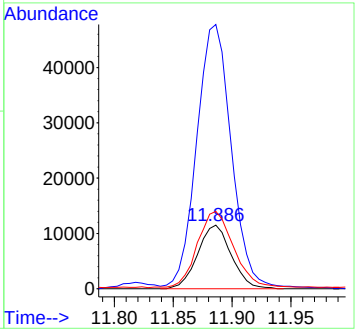


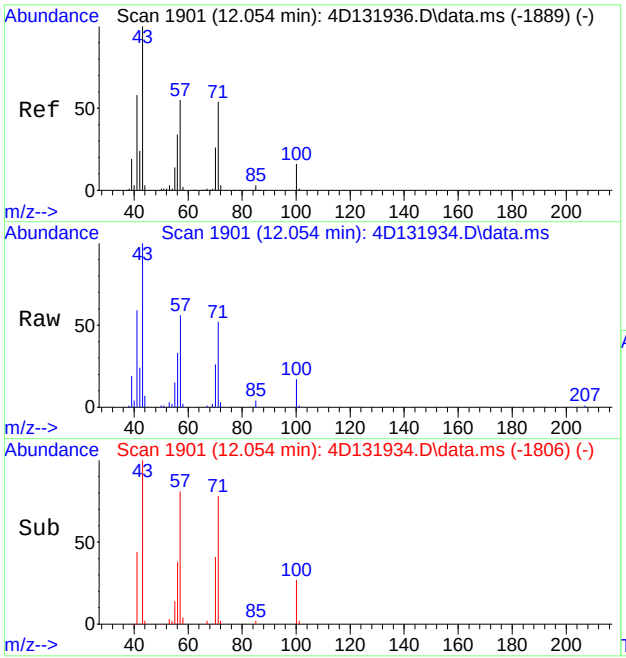


#56
tert-amyl methyl ether
Concen: 7.84 ug/L
RT: 11.886 min Scan# 1869
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 87 Resp: 22880

Ion	Ratio	Lower	Upper
87	100		
73	410.6	382.6	442.6
55	118.9	85.4	145.4

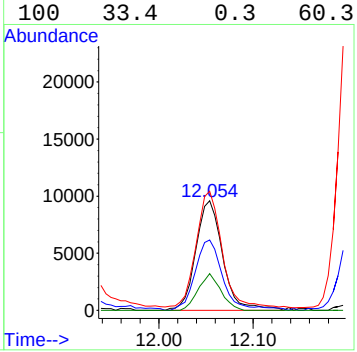


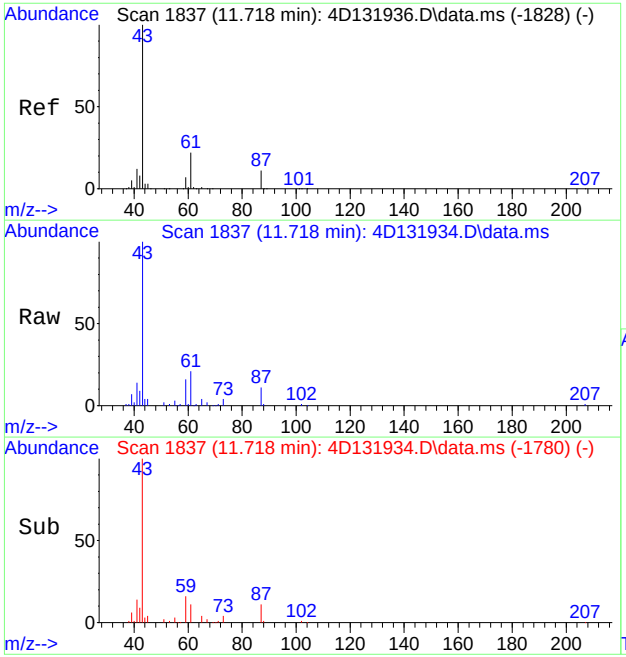


#57
heptane
Concen: 7.25 ug/L
RT: 12.054 min Scan# 1901
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 71 Resp: 19060

Ion	Ratio	Lower	Upper
71	100		
56	62.7	33.0	93.0
57	105.4	72.2	132.2
100	33.4	0.3	60.3

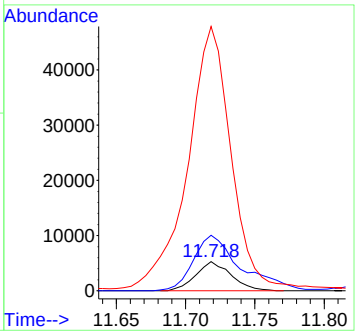


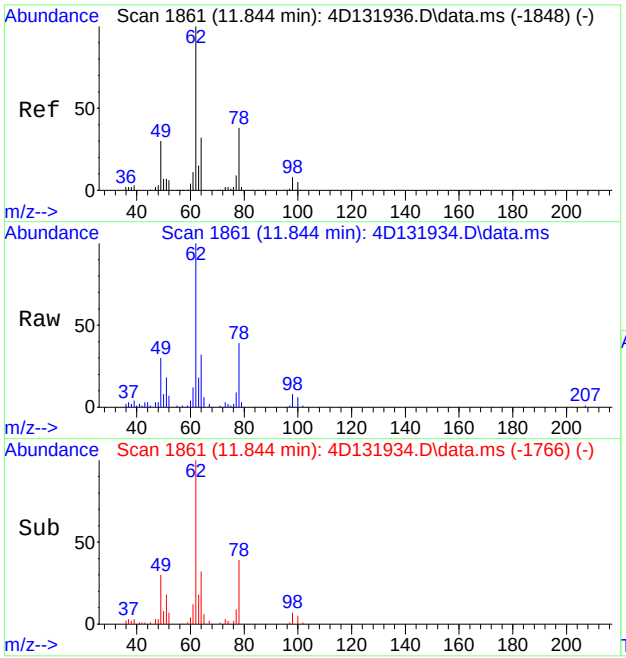


#58
isopropyl acetate
Concen: 8.26 ug/L
RT: 11.718 min Scan# 1837
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 87 Resp: 9382

Ion	Ratio	Lower	Upper
87	100		
61	187.3	170.1	230.1
43	881.8	919.0	979.0#

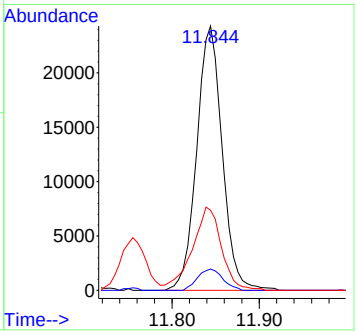


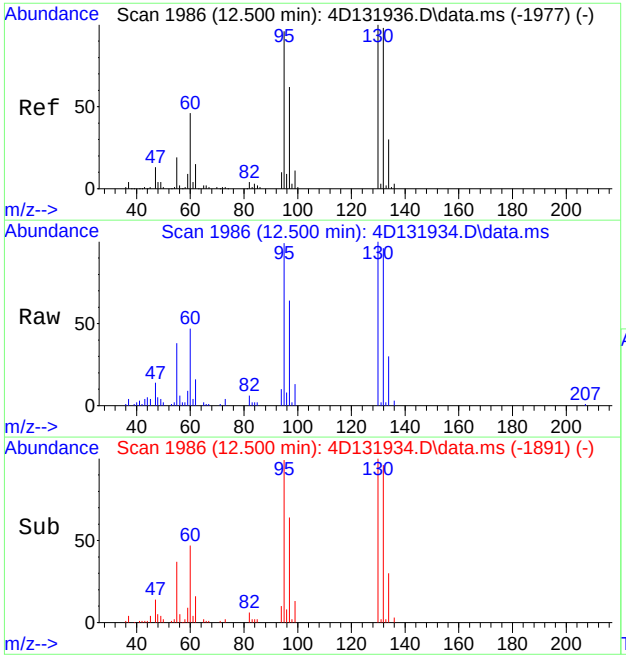


#59
1,2-dichloroethane
Concen: 7.53 ug/L
RT: 11.844 min Scan# 1861
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 62 Resp: 49409

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	38.5
49	30.3	1.1	61.1

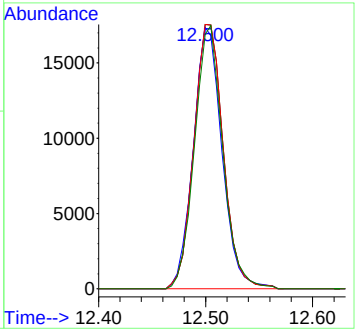


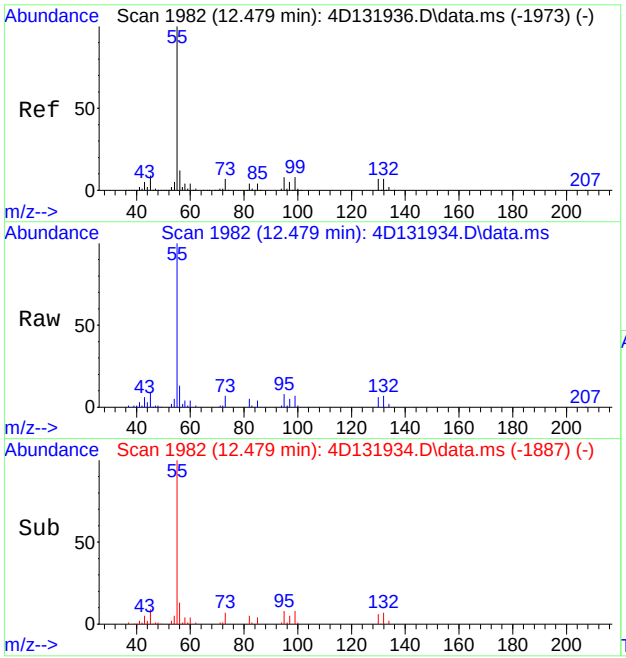


#60
trichloroethene
Concen: 8.07 ug/L
RT: 12.500 min Scan# 1986
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:130 Resp: 33571

Ion	Ratio	Lower	Upper
130	100		
95	98.8	65.8	125.8
130	100.0	70.0	130.0
132	96.3	67.8	127.8

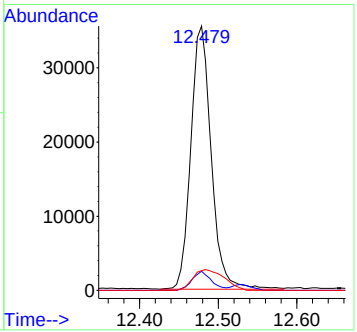


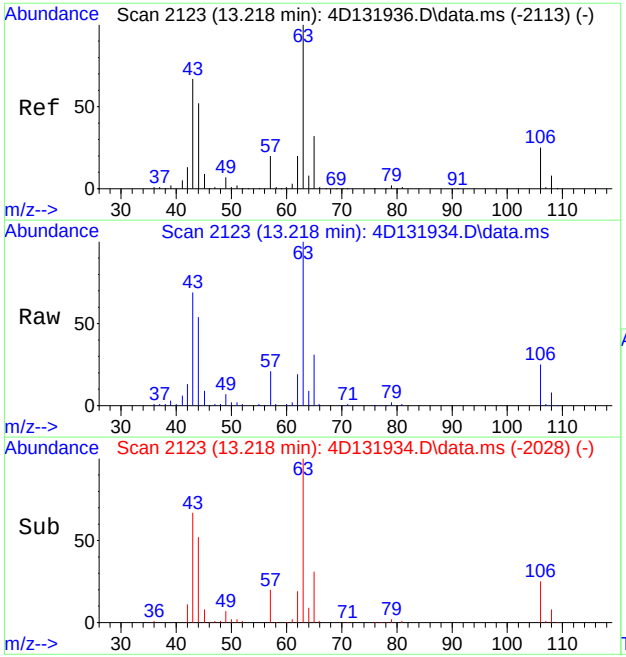


#61
ethyl acrylate
Concen: 7.92 ug/L
RT: 12.479 min Scan# 1982
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 55 Resp: 64283

Ion	Ratio	Lower	Upper
55	100		
73	7.3	0.0	26.5
99	7.5	0.0	27.5

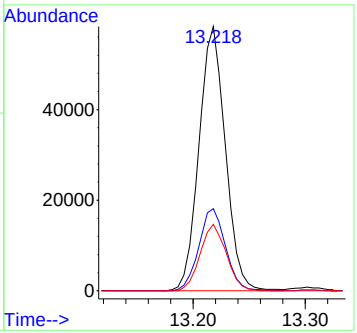


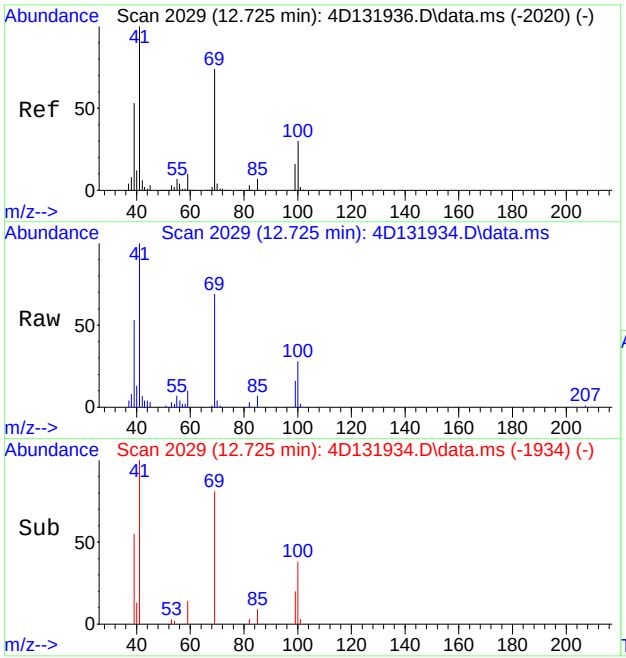


#63
2-chloroethyl vinyl ether
Concen: 41.07 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 63 Resp: 95653

Ion	Ratio	Lower	Upper
63	100		
65	31.0	1.7	61.7
106	25.1	0.0	55.3

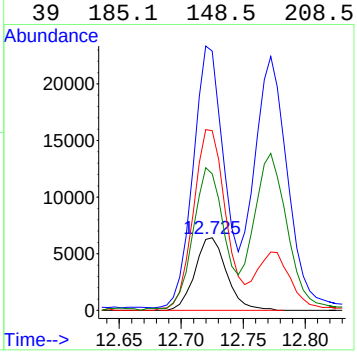


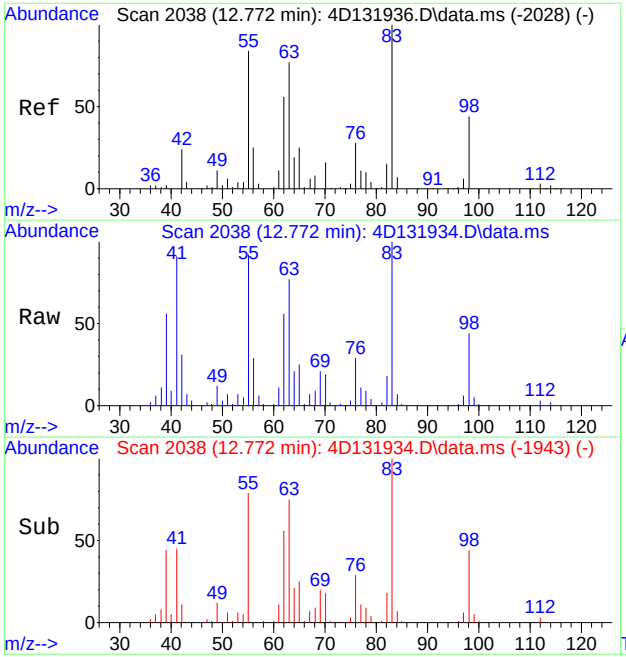


#64
methyl methacrylate
Concen: 7.95 ug/L
RT: 12.725 min Scan# 2029
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:100 Resp: 11404

Ion	Ratio	Lower	Upper
100	100		
41	351.9	304.3	364.3
69	244.5	217.8	277.8
39	185.1	148.5	208.5

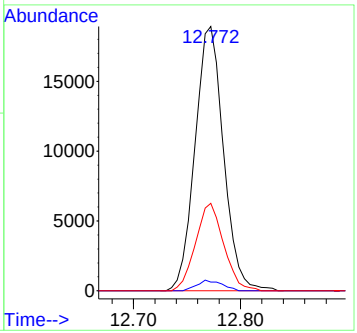


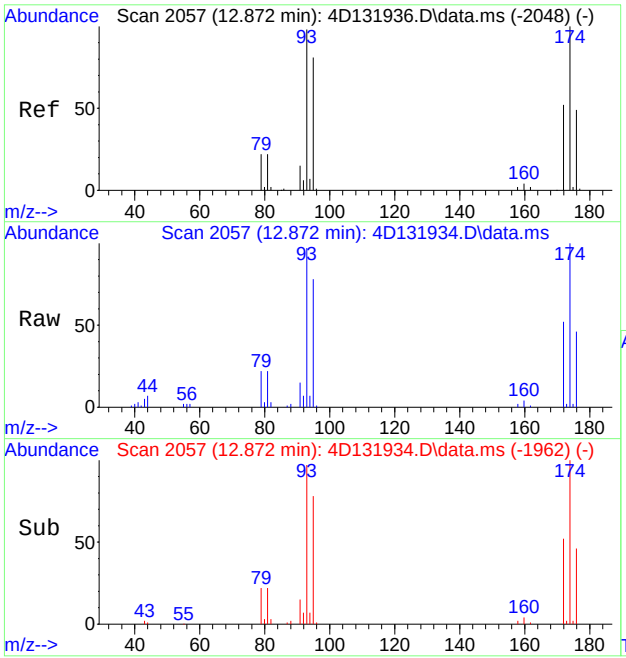


#65
1,2-dichloropropane
Concen: 8.04 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 63 Resp: 35074

Ion	Ratio	Lower	Upper
63	100		
112	3.3	0.0	33.7
65	33.1	1.9	61.9

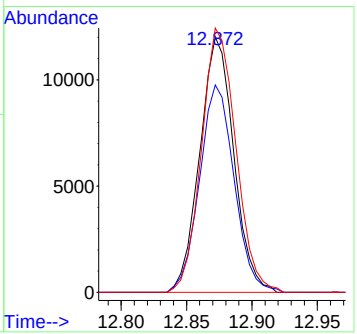


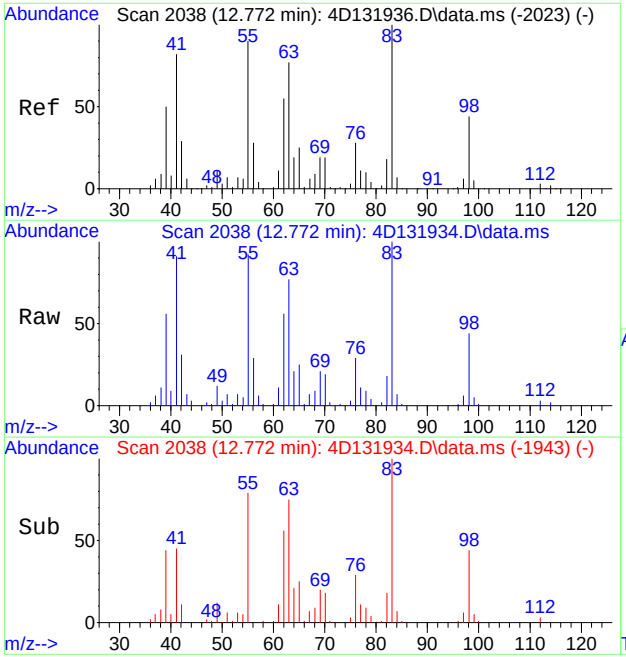


#66
dibromomethane
Concen: 7.84 ug/L
RT: 12.872 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 93 Resp: 21766

Ion	Ratio	Lower	Upper
93	100		
95	81.3	52.6	112.6
174	103.6	72.4	132.4

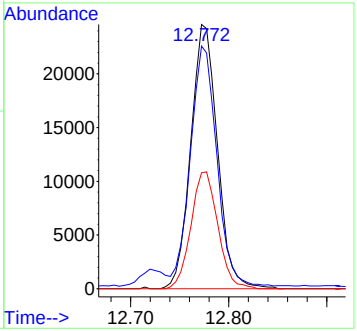


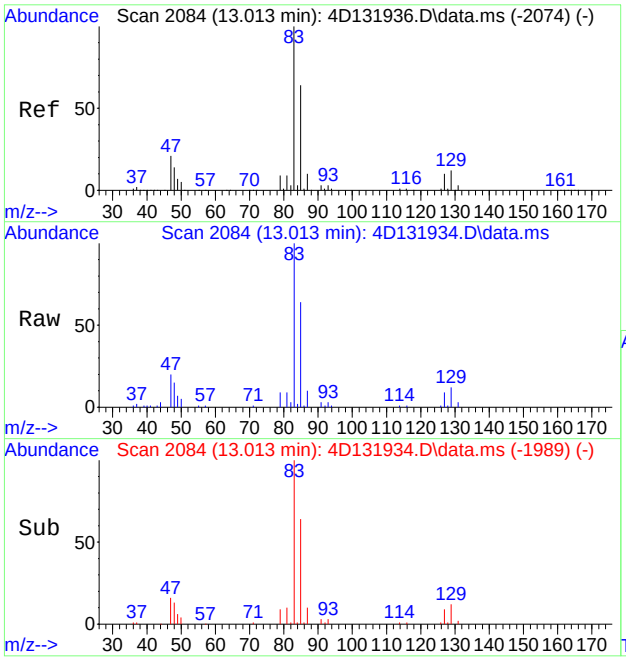


#67
methylcyclohexane
Concen: 7.72 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 83 Resp: 46719

Ion	Ratio	Lower	Upper
83	100		
55	90.5	60.5	120.5
98	43.8	14.1	74.1

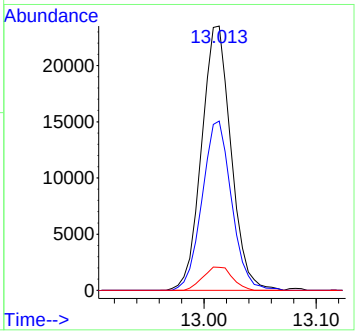


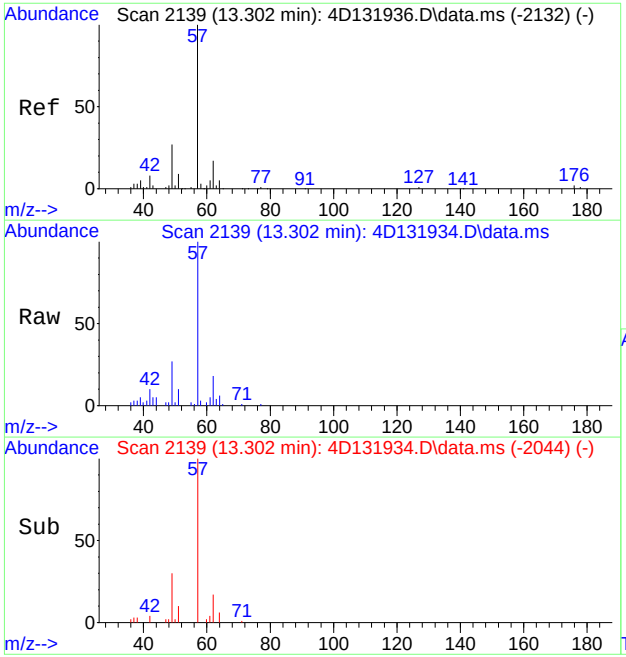


#68
bromodichloromethane
Concen: 7.54 ug/L
RT: 13.013 min Scan# 2084
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 83 Resp: 43062

Ion	Ratio	Lower	Upper
83	100		
85	64.0	34.4	94.4
127	8.7	0.0	39.7

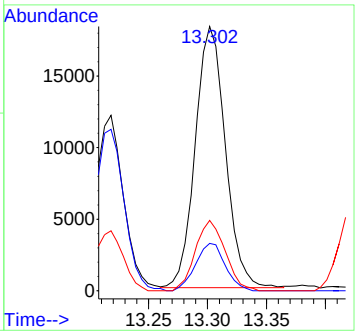


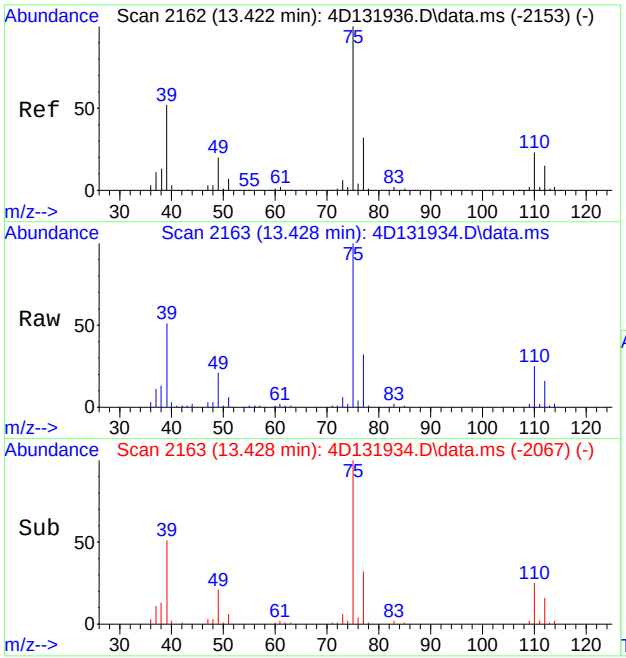


#69
epichlorohydrin
Concen: 37.91 ug/L
RT: 13.302 min Scan# 2139
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 57 Resp: 32471

Ion	Ratio	Lower	Upper
57	100		
62	18.2	0.0	37.4
49	27.0	6.8	46.8

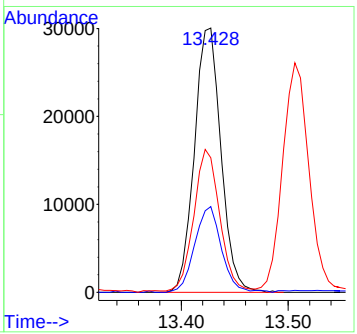


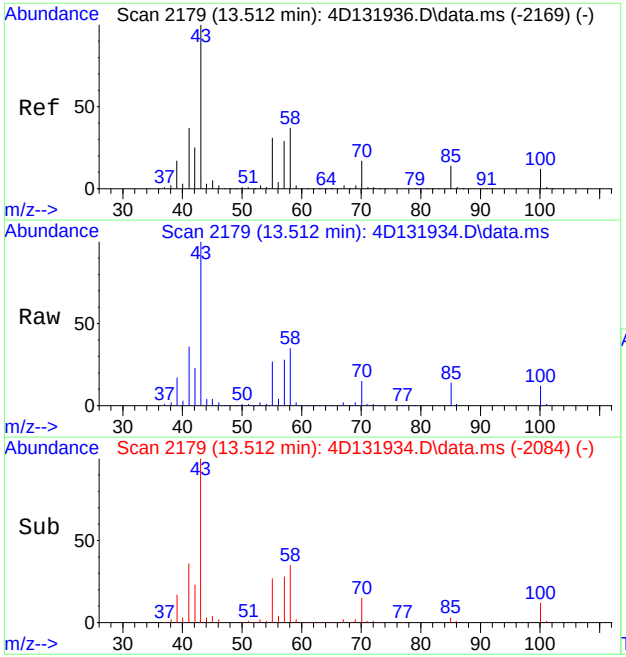


#70
cis-1,3-dichloropropene
Concen: 7.79 ug/L
RT: 13.428 min Scan# 2163
Delta R.T. 0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 75 Resp: 51959

Ion	Ratio	Lower	Upper
75	100		
77	32.4	1.9	61.9
39	50.3	22.1	82.1

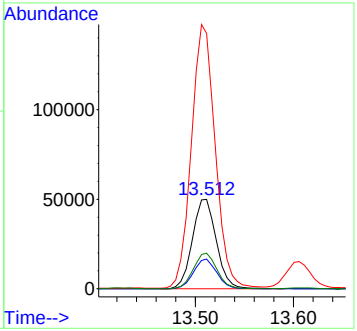


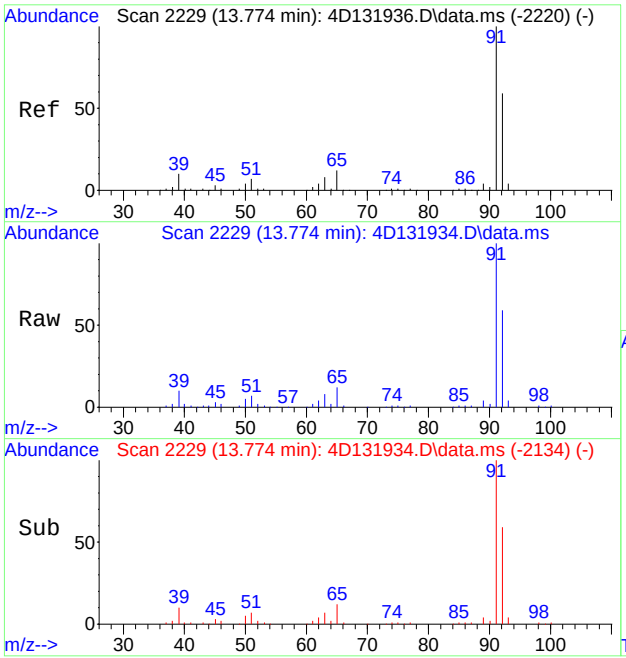


#71
4-methyl-2-pentanone
Concen: 31.46 ug/L
RT: 13.512 min Scan# 2179
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 58 Resp: 84922

Ion	Ratio	Lower	Upper
58	100		
100	33.1	2.6	62.6
43	284.3	244.0	304.0
85	39.8	8.9	68.9

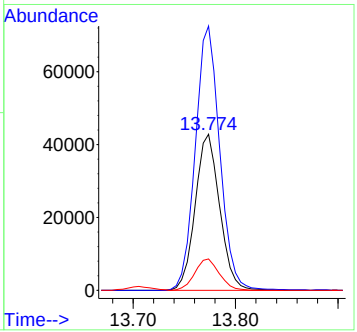


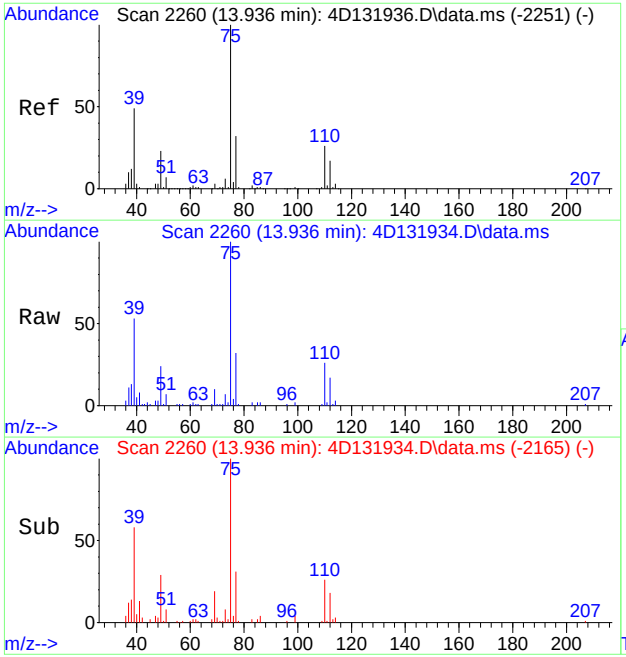


#75
toluene
Concen: 7.81 ug/L
RT: 13.774 min Scan# 2229
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 92 Resp: 71348

Ion	Ratio	Lower	Upper
92	100		
91	169.3	150.1	190.1
65	20.1	0.0	39.8

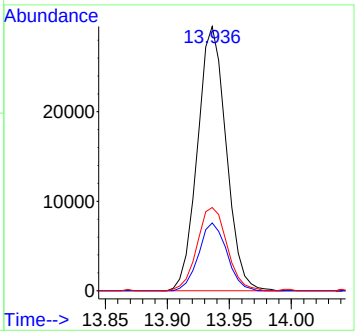


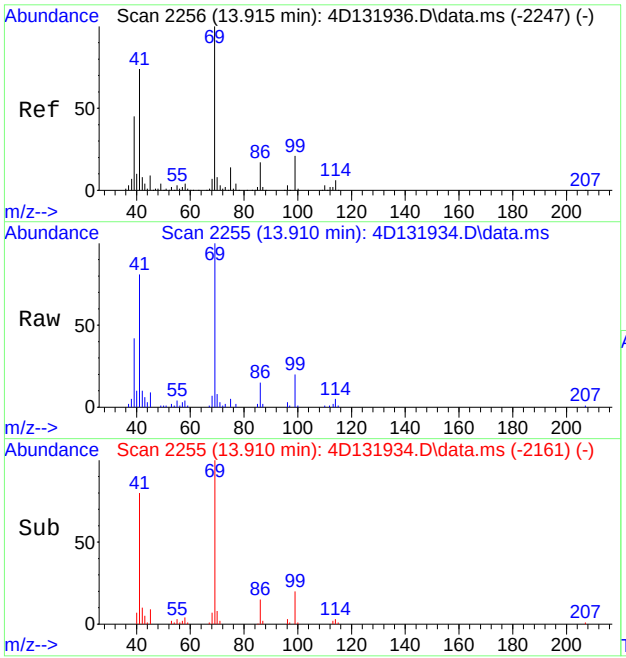


#76
trans-1,3-dichloropropene
Concen: 7.87 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 75 Resp: 47433

Ion	Ratio	Lower	Upper
75	100		
110	25.7	5.6	45.6
77	31.5	12.5	52.5

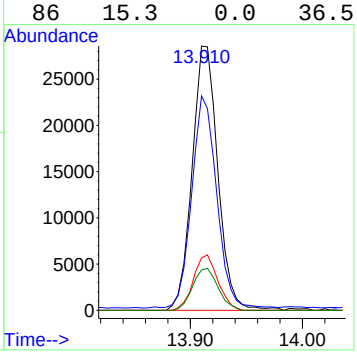


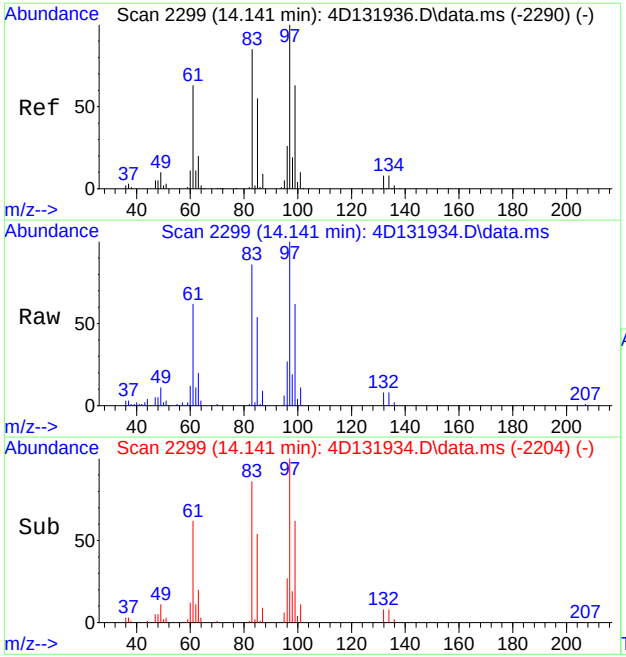


#77
ethyl methacrylate
Concen: 7.55 ug/L
RT: 13.910 min Scan# 2255
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 69 Resp: 45633

Ion	Ratio	Lower	Upper
69	100		
41	80.0	53.7	93.7
99	19.8	0.5	40.5
86	15.3	0.0	36.5

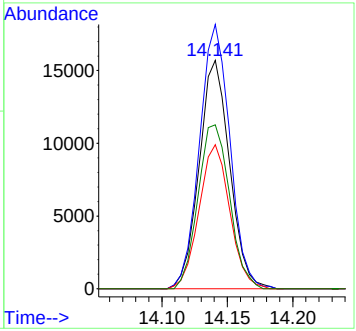


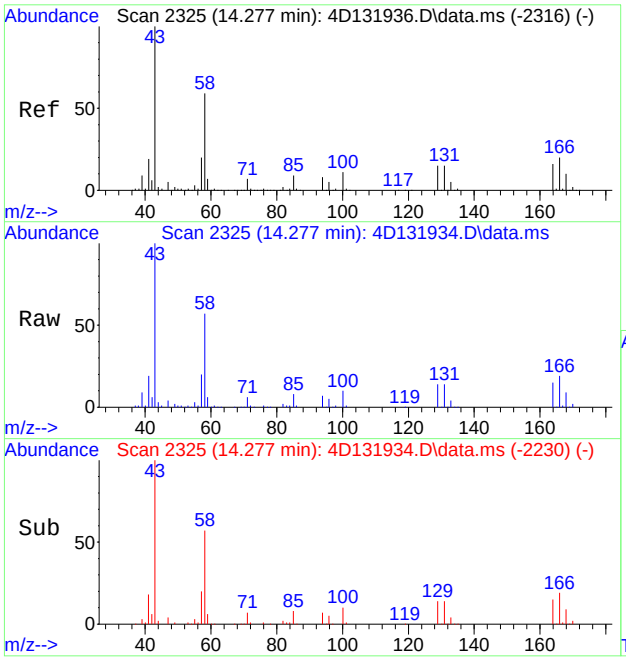


#78
1,1,2-trichloroethane
Concen: 7.81 ug/L
RT: 14.141 min Scan# 2299
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 83 Resp: 25536

Ion	Ratio	Lower	Upper
83	100		
97	115.7	98.0	138.0
85	63.0	44.8	84.8
61	71.8	54.1	94.1

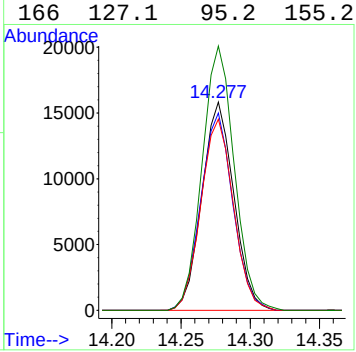


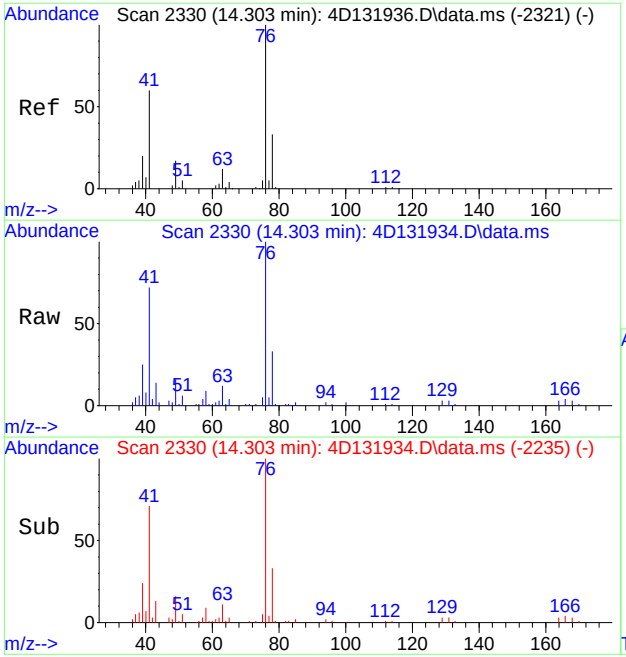


#79
tetrachloroethene
Concen: 7.99 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:164 Resp: 25341

Ion	Ratio	Lower	Upper
164	100		
129	94.9	63.3	123.3
131	91.8	59.8	119.8
166	127.1	95.2	155.2

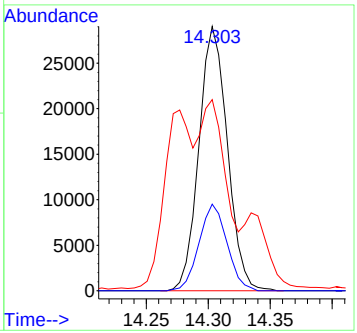


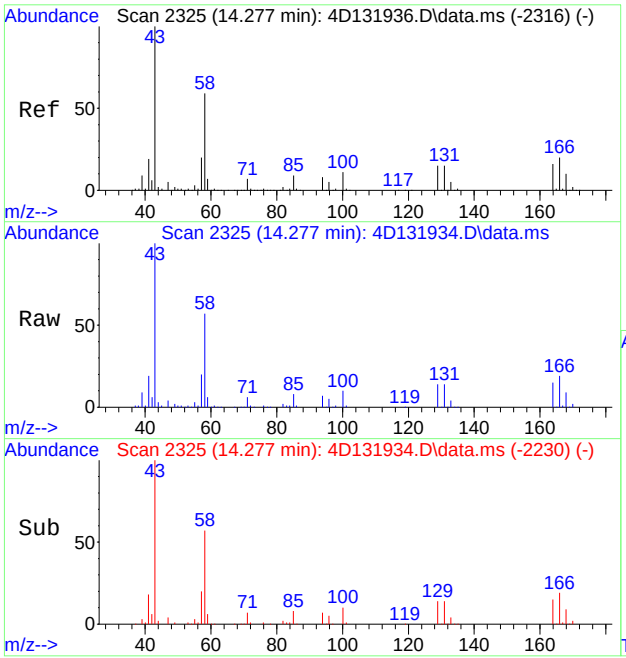


#80
1,3-dichloropropane
Concen: 8.00 ug/L
RT: 14.303 min Scan# 2330
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 76 Resp: 46332

Ion	Ratio	Lower	Upper
76	100		
78	32.7	2.5	62.5
41	68.8	40.0	100.0

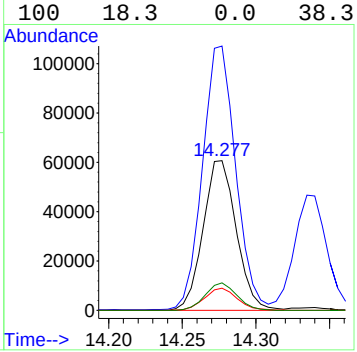


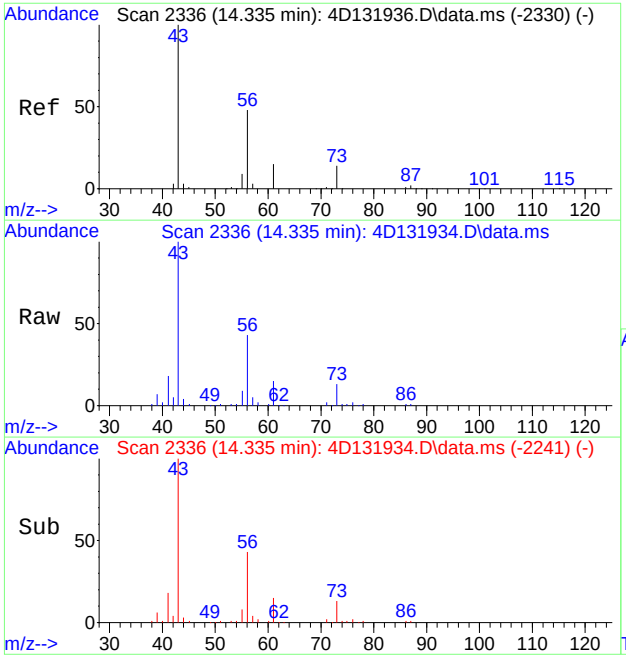


#81
2-hexanone
Concen: 32.82 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 58 Resp: 95250

Ion	Ratio	Lower	Upper
58	100		
43	176.1	149.1	189.1
85	14.8	0.0	34.7
100	18.3	0.0	38.3

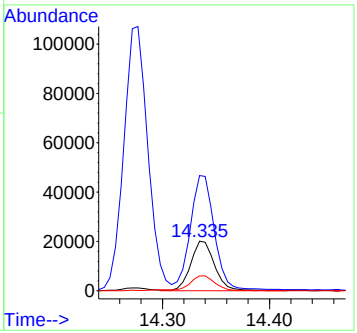


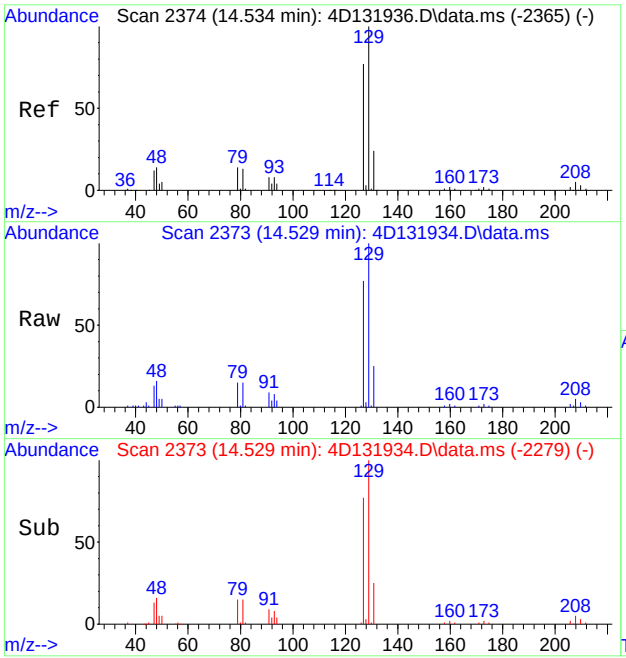


#82
butyl acetate
Concen: 7.37 ug/L
RT: 14.335 min Scan# 2336
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 56 Resp: 31464

Ion	Ratio	Lower	Upper
56	100		
43	230.1	196.2	256.2
73	29.9	0.0	59.9

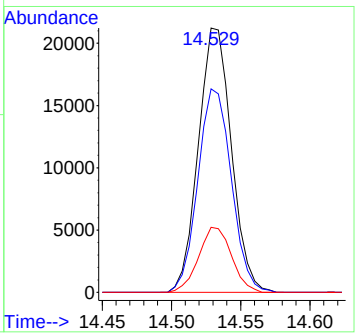


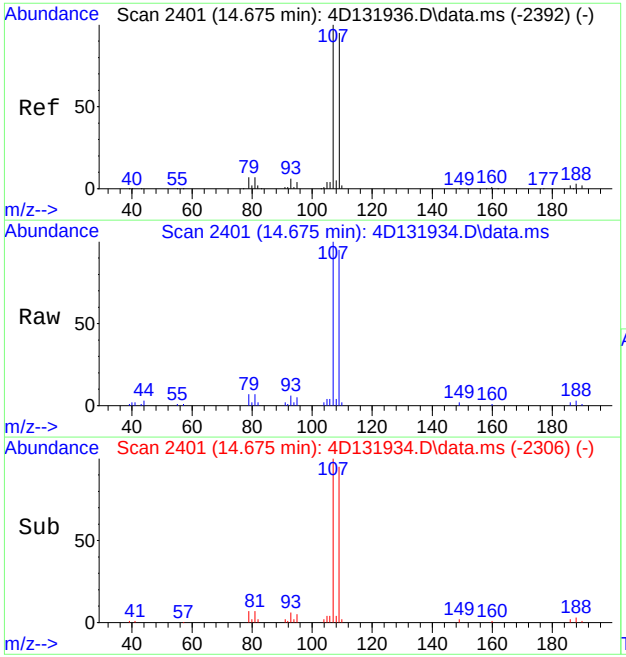


#83
dibromochloromethane
Concen: 7.85 ug/L
RT: 14.529 min Scan# 2373
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:129 Resp: 35217

Ion	Ratio	Lower	Upper
129	100		
127	77.0	47.2	107.2
131	24.7	0.0	54.4

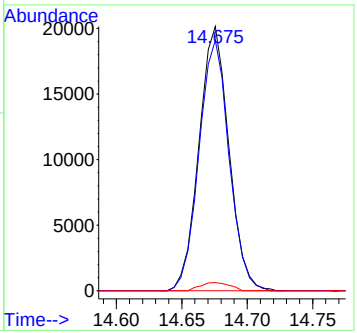


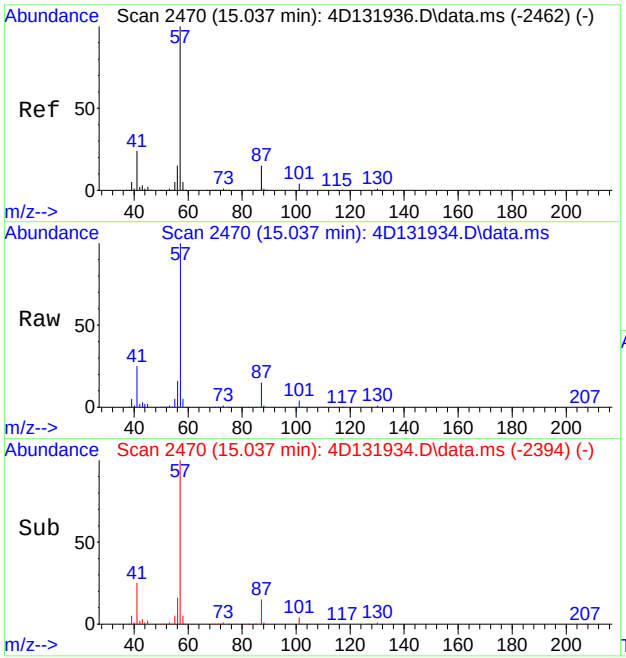


#84
1,2-dibromoethane
Concen: 7.79 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:107 Resp: 32137

Ion	Ratio	Lower	Upper
107	100		
109	94.8	65.1	125.1
188	3.1	0.0	33.2

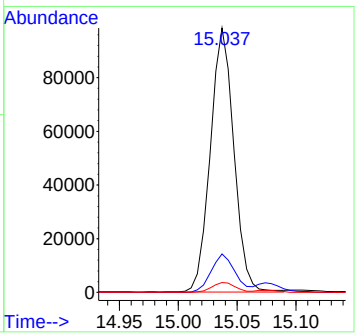


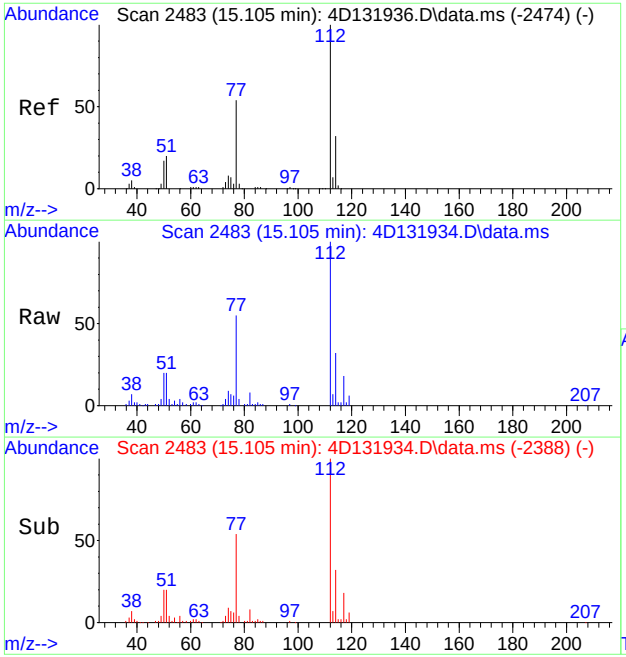


#85
n-butyl ether
Concen: 7.94 ug/L
RT: 15.037 min Scan# 2470
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 57 Resp: 136713

Ion	Ratio	Lower	Upper
57	100		
87	14.6	0.0	44.7
101	3.7	0.0	33.8

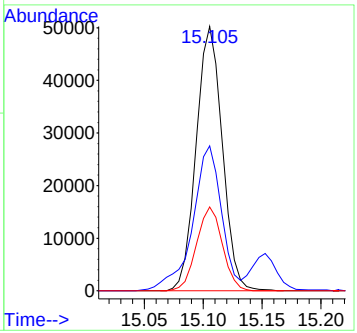


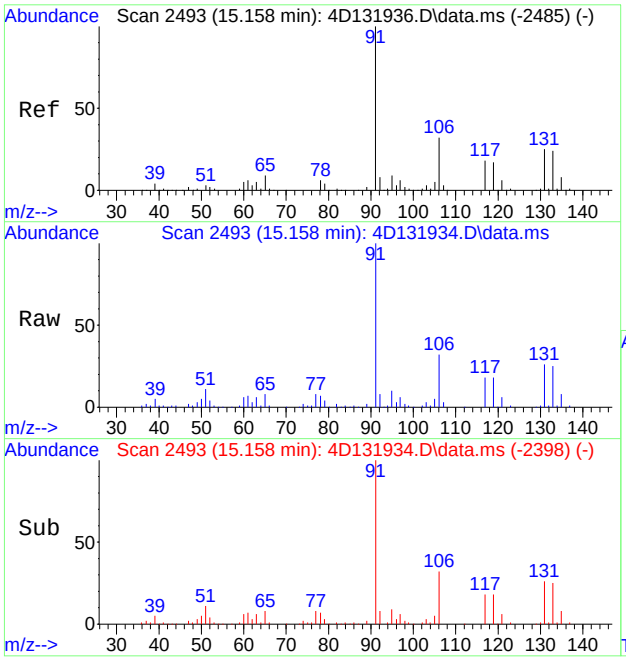


#86
chlorobenzene
Concen: 7.74 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:112 Resp: 77738

Ion	Ratio	Lower	Upper
112	100		
77	51.6	23.8	83.8
114	31.7	2.2	62.2

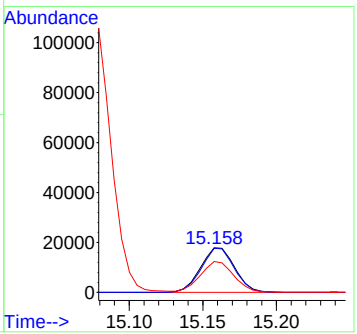


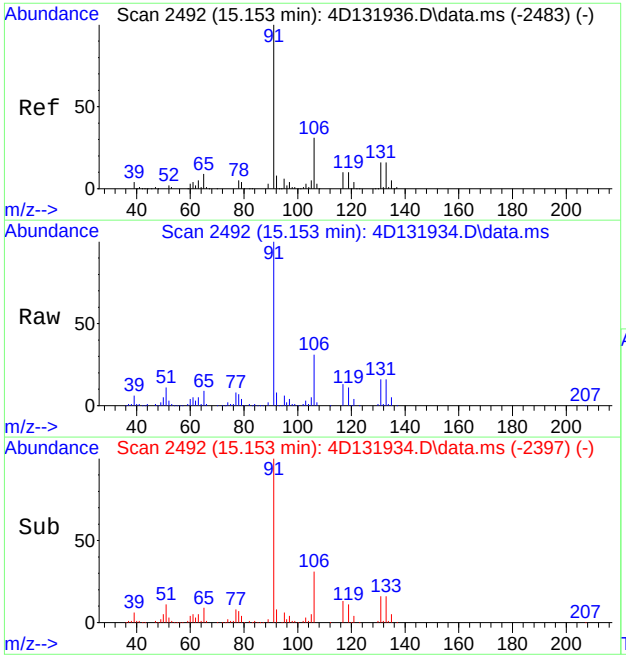


#87
1,1,1,2-tetrachloroethane
Concen: 7.91 ug/L
RT: 15.158 min Scan# 2493
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:131 Resp: 28644

Ion	Ratio	Lower	Upper
131	100		
133	98.6	66.4	126.4
119	69.2	37.8	97.8

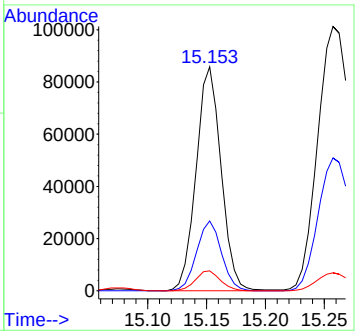


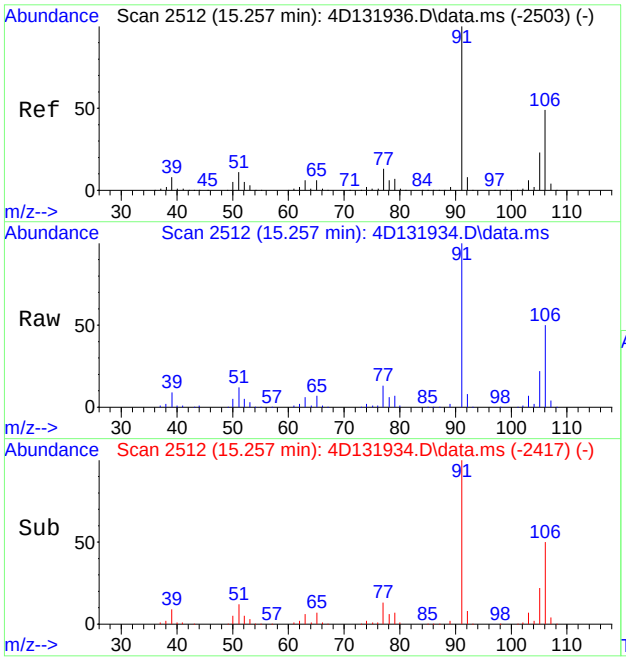


#88
ethylbenzene
Concen: 7.65 ug/L
RT: 15.153 min Scan# 2492
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 91 Resp: 126943

Ion	Ratio	Lower	Upper
91	100		
106	31.2	1.3	61.3
65	8.9	0.0	39.1

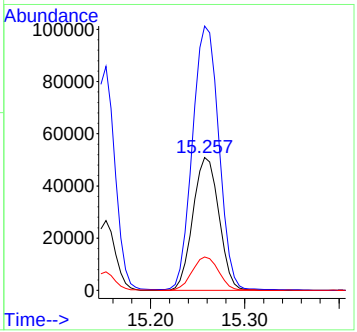


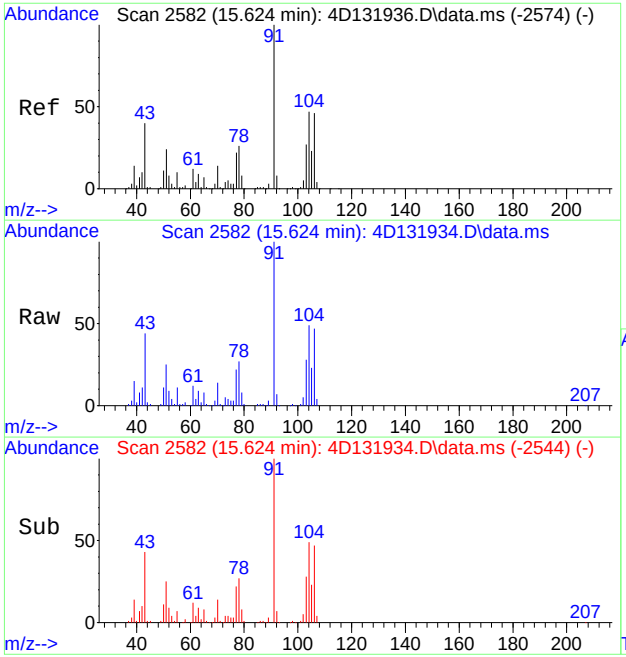


#89
m,p-xylene
Concen: 15.37 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:106 Resp: 98066

Ion	Ratio	Lower	Upper
106	100		
91	198.6	173.6	233.6
77	25.2	5.6	45.6

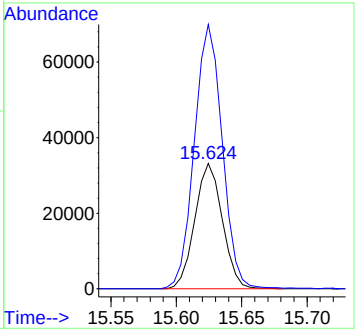


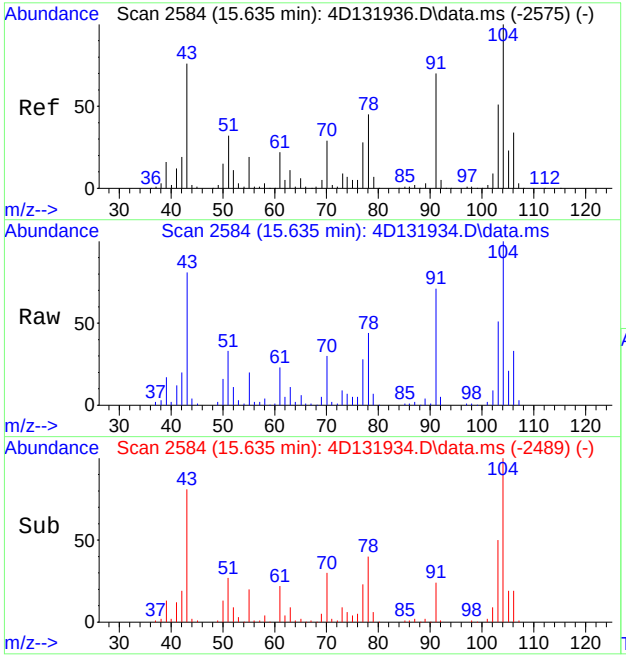


#90
o-xylene
Concen: 7.84 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:106 Resp: 48690

Ion	Ratio	Lower	Upper
106	100		
91	210.8	188.2	248.2

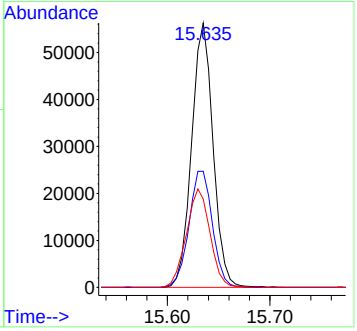


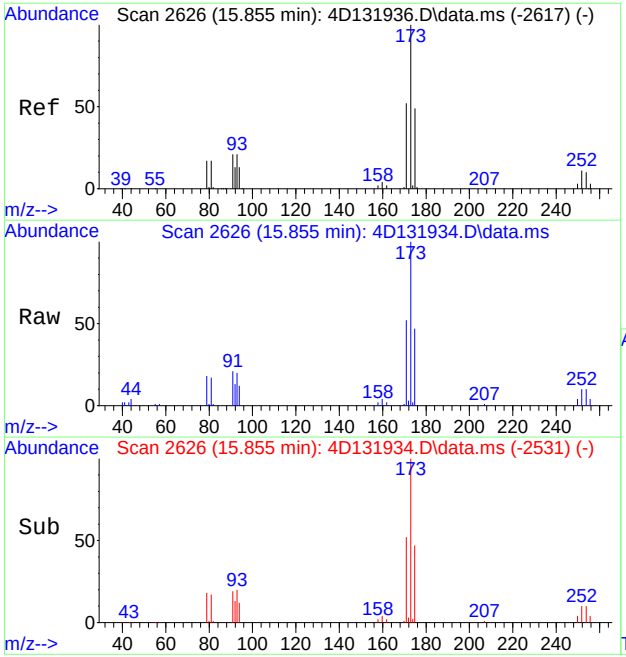


#91
styrene
Concen: 7.86 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:104 Resp: 82307

Ion	Ratio	Lower	Upper
104	100		
78	43.9	14.9	74.9
51	33.4	2.1	62.1

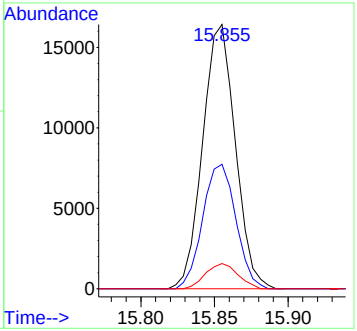


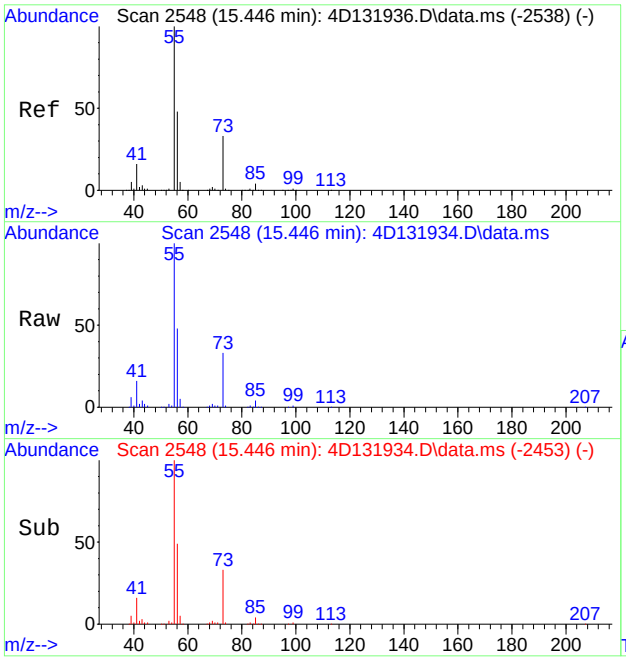


#92
bromoform
Concen: 8.00 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:173 Resp: 25289

Ion	Ratio	Lower	Upper
173	100		
175	47.1	18.7	78.7
254	9.6	0.0	40.1

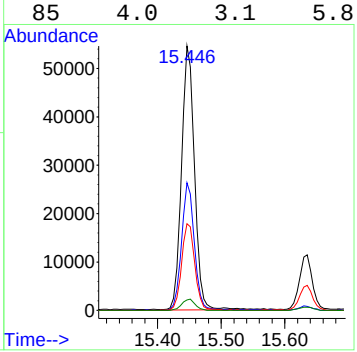


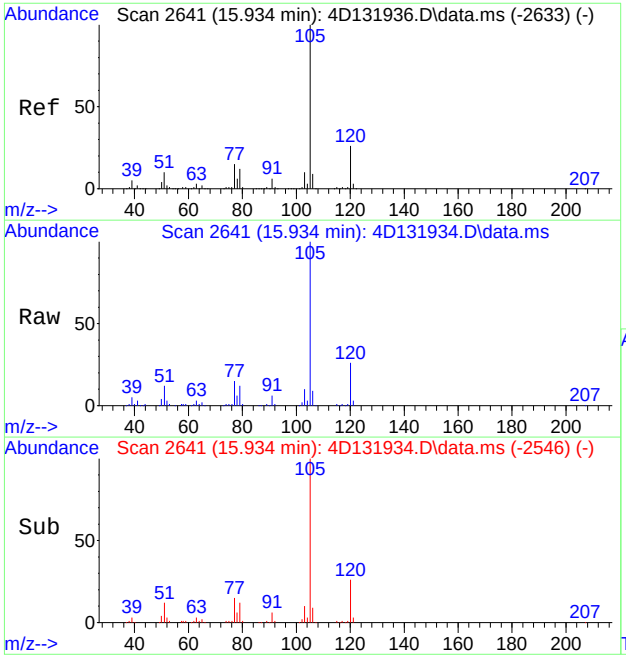


#93
butyl acrylate
Concen: 7.86 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 55 Resp: 76997

Ion	Ratio	Lower	Upper
55	100		
56	48.4	33.5	62.1
73	32.8	23.2	43.2
85	4.0	3.1	5.8

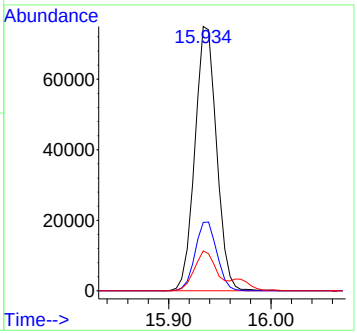


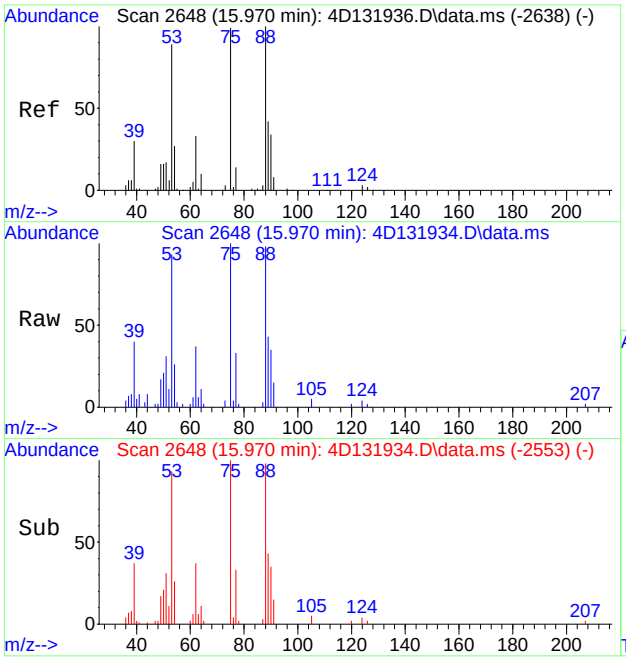


#94
isopropylbenzene
Concen: 7.74 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:105 Resp: 110908

Ion	Ratio	Lower	Upper
105	100		
120	25.9	5.9	45.9
77	15.1	0.0	34.7

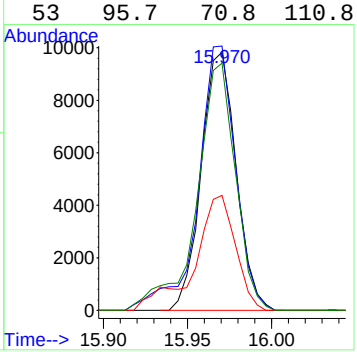


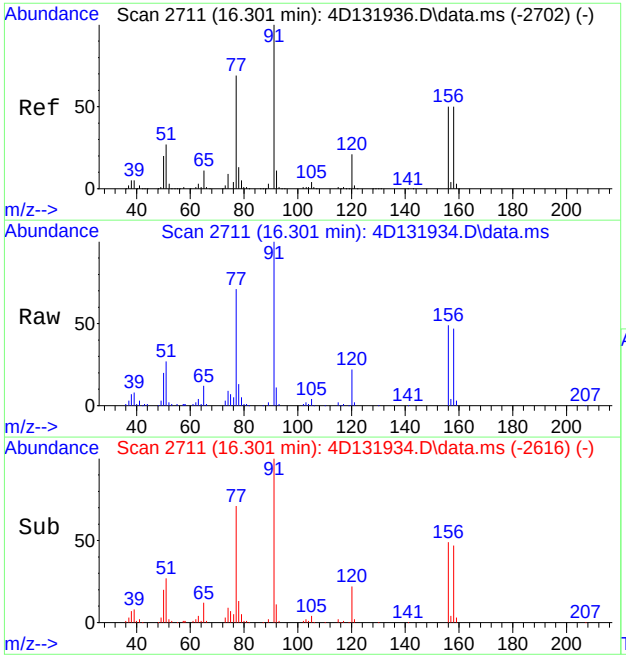


#95
cis-1,4-dichloro-2-butene
Concen: 7.69 ug/L
RT: 15.970 min Scan# 2648
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 88 Resp: 14210

Ion	Ratio	Lower	Upper
88	100		
75	102.4	80.4	120.4
89	44.5	23.8	63.8
53	95.7	70.8	110.8

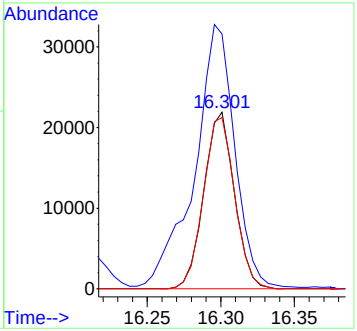


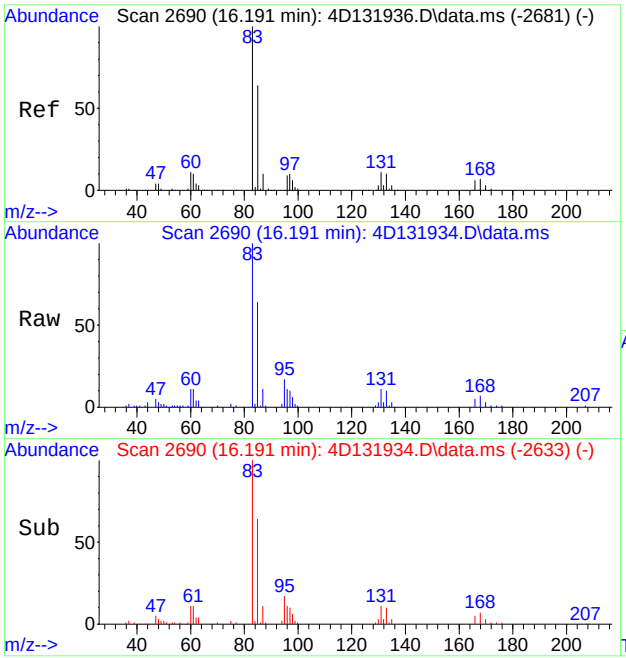


#98
bromobenzene
Concen: 7.87 ug/L
RT: 16.301 min Scan# 2711
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:156 Resp: 31539

Ion	Ratio	Lower	Upper
156	100		
77	142.9	114.1	174.1
158	97.0	69.3	129.3

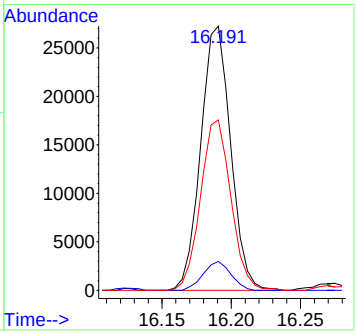


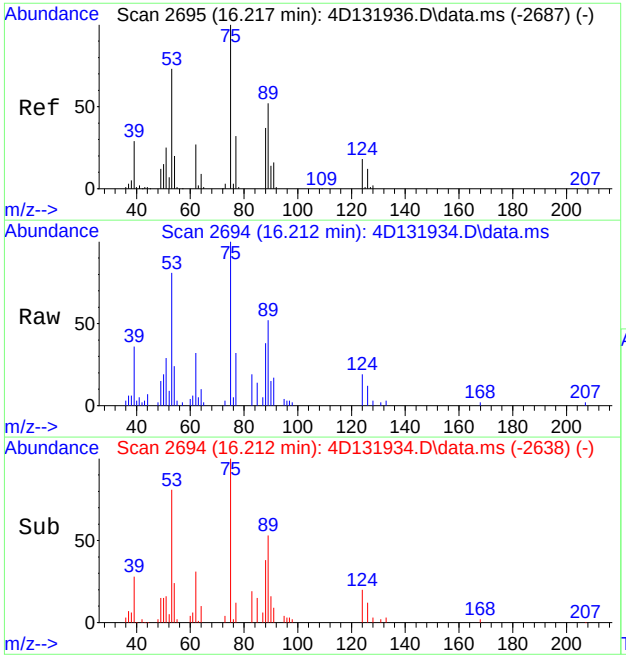


#99
1,1,2,2-tetrachloroethane
Concen: 7.62 ug/L
RT: 16.191 min Scan# 2690
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 83 Resp: 40930

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	40.7
85	64.5	33.7	93.7

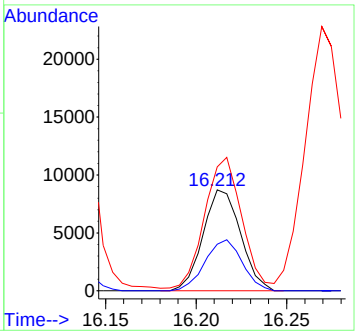


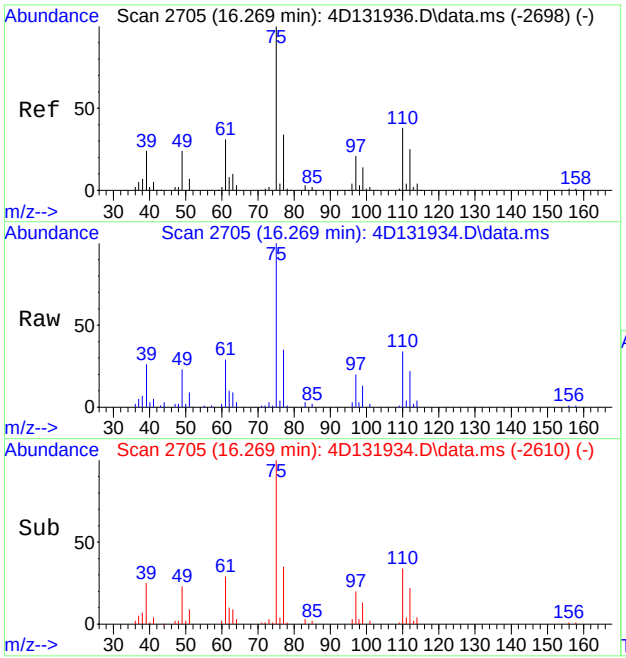


#100
trans-1,4-dichloro-2-butene
Concen: 7.96 ug/L
RT: 16.212 min Scan# 2694
Delta R.T. -0.005 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 53 Resp: 12539

Ion	Ratio	Lower	Upper
53	100		
88	46.1	20.8	80.8
75	120.2	106.5	166.5

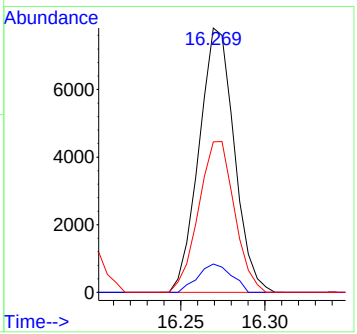


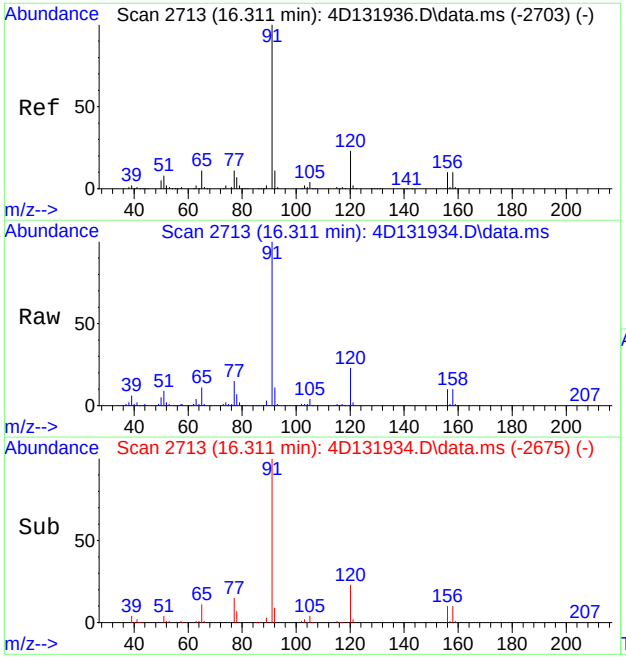


#101
1,2,3-trichloropropane
Concen: 8.15 ug/L
RT: 16.269 min Scan# 2705
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:110 Resp: 11381

Ion	Ratio	Lower	Upper
110	100		
111	10.7	0.0	40.4
97	56.9	25.6	85.6

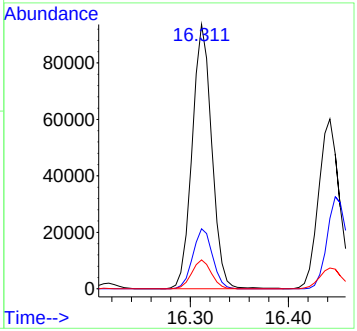


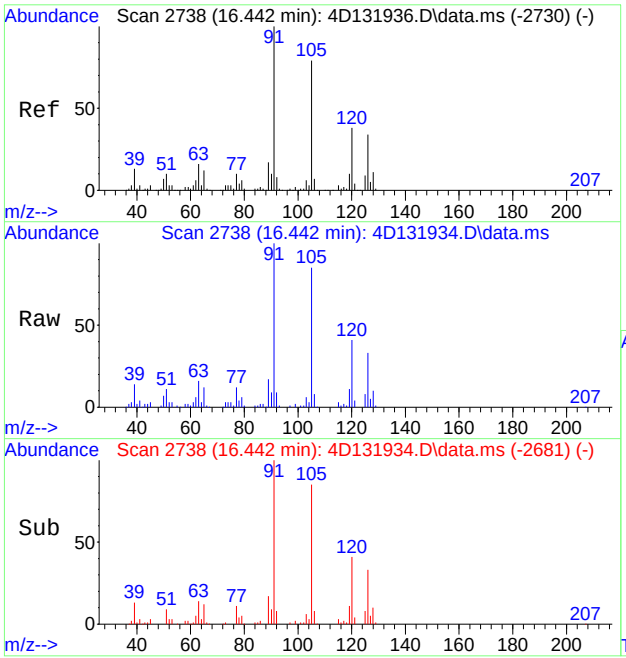


#102
n-propylbenzene
Concen: 7.63 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 91 Resp: 130159

Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	53.1
65	11.0	0.0	40.8

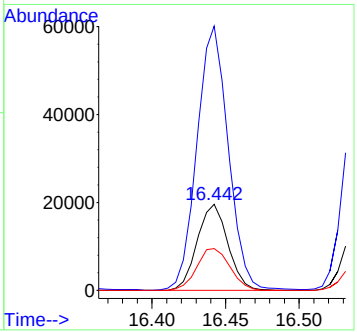


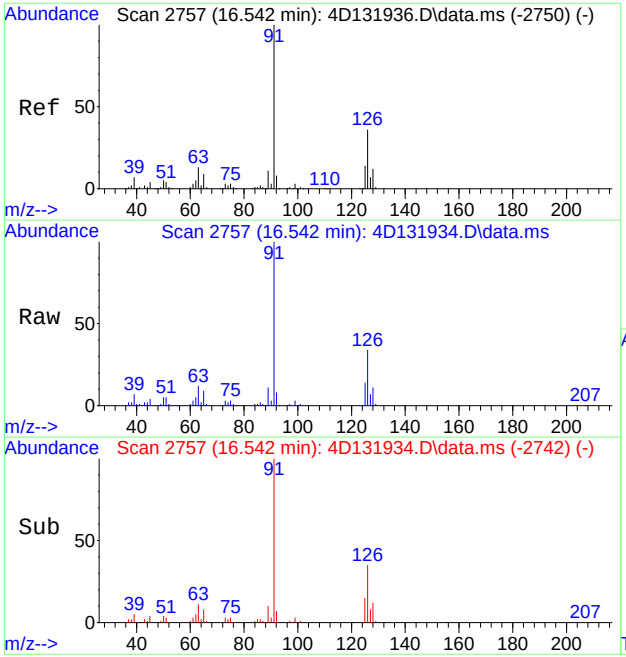


#103
2-chlorotoluene
Concen: 7.77 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:126 Resp: 28332

Ion	Ratio	Lower	Upper
126	100		
91	306.6	265.9	325.9
63	48.5	18.3	78.3

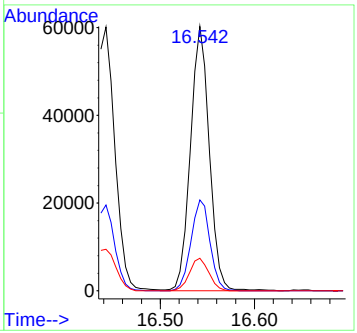


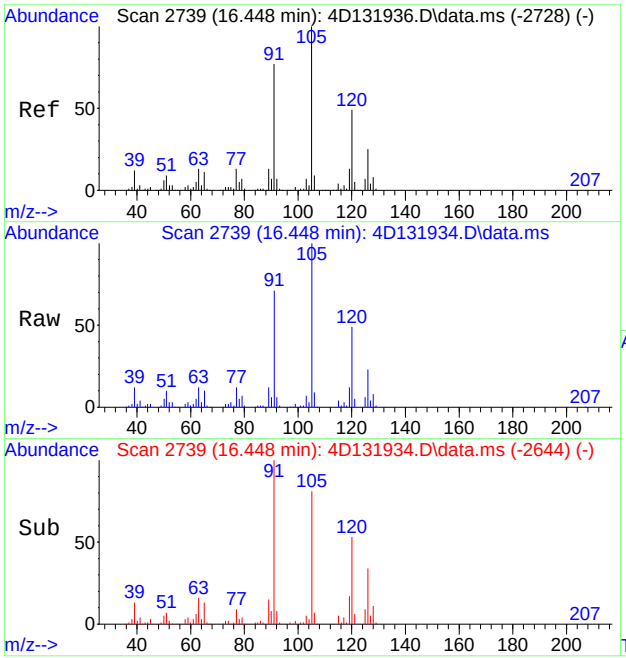


#104
4-chlorotoluene
Concen: 7.44 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 91 Resp: 84173

Ion	Ratio	Lower	Upper
91	100		
126	34.3	5.5	65.5
63	12.3	0.0	42.5

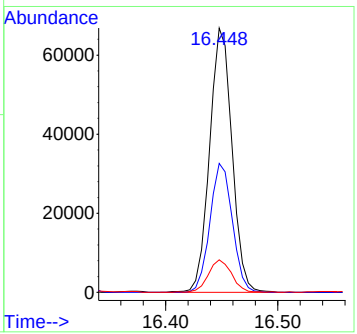


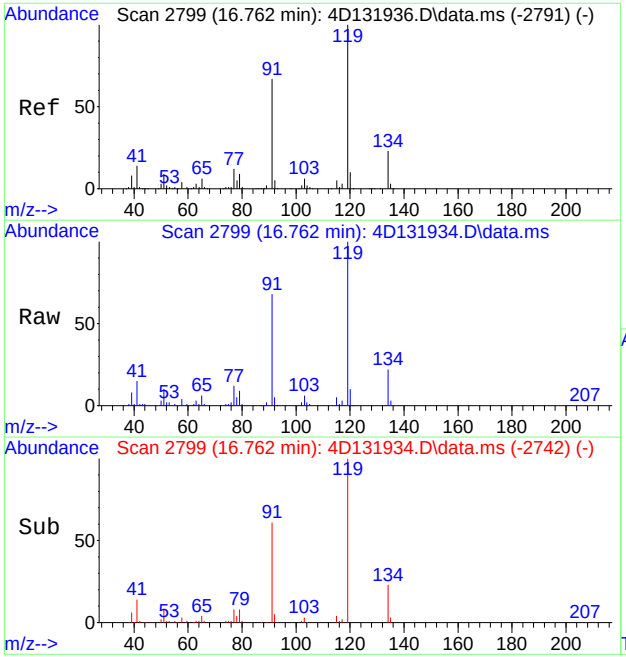


#105
1,3,5-trimethylbenzene
Concen: 7.80 ug/L
RT: 16.448 min Scan# 2739
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:105 Resp: 93214

Ion	Ratio	Lower	Upper
105	100		
120	48.8	19.3	79.3
77	12.4	0.0	42.7

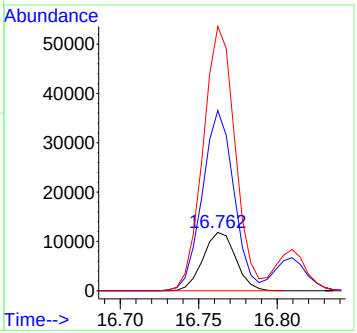


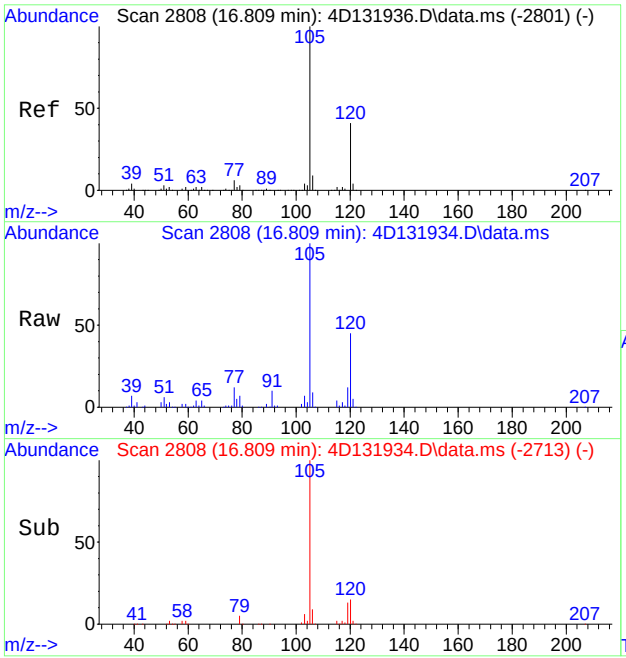


#106
tert-butylbenzene
Concen: 7.94 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:134 Resp: 17187

Ion	Ratio	Lower	Upper
134	100		
91	308.8	266.0	326.0
119	452.9	410.0	470.0

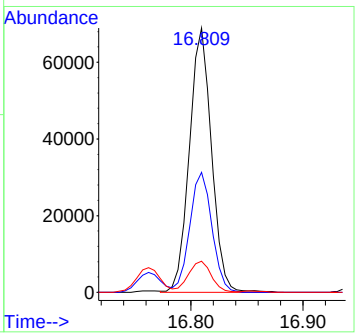


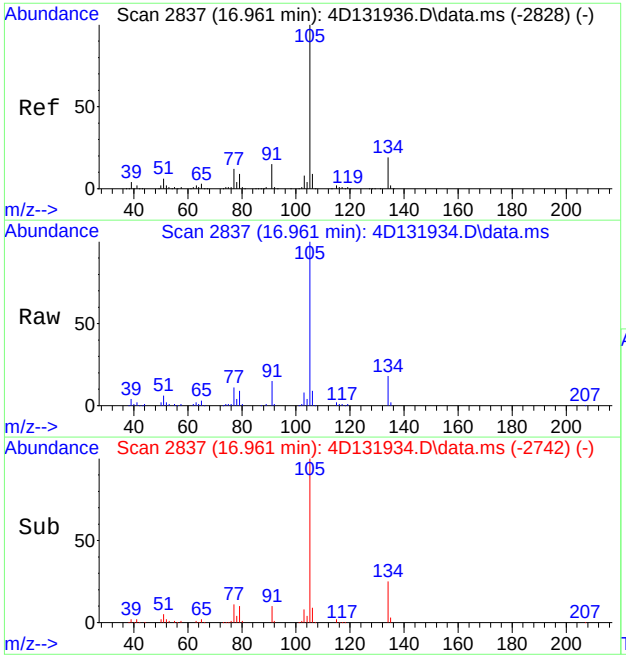


#107
1,2,4-trimethylbenzene
Concen: 7.88 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:105 Resp: 94549

Ion	Ratio	Lower	Upper
105	100		
120	45.3	15.8	75.8
77	11.8	0.0	41.4

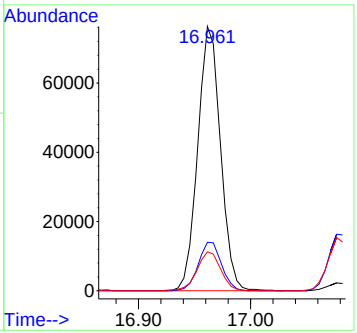


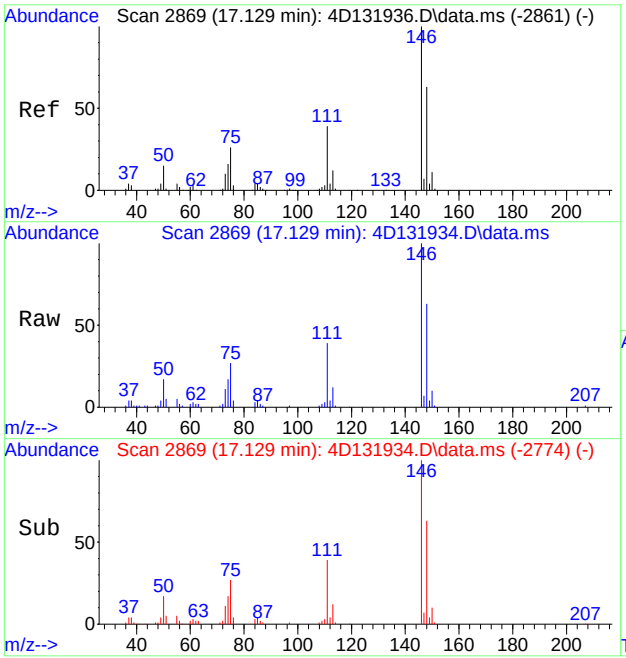


#108
sec-butylbenzene
Concen: 7.81 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:105 Resp: 107678

Ion	Ratio	Lower	Upper
105	100		
134	18.3	0.0	48.6
91	14.7	0.0	45.4

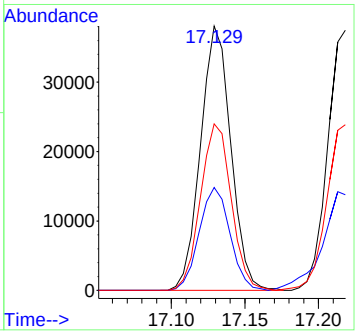


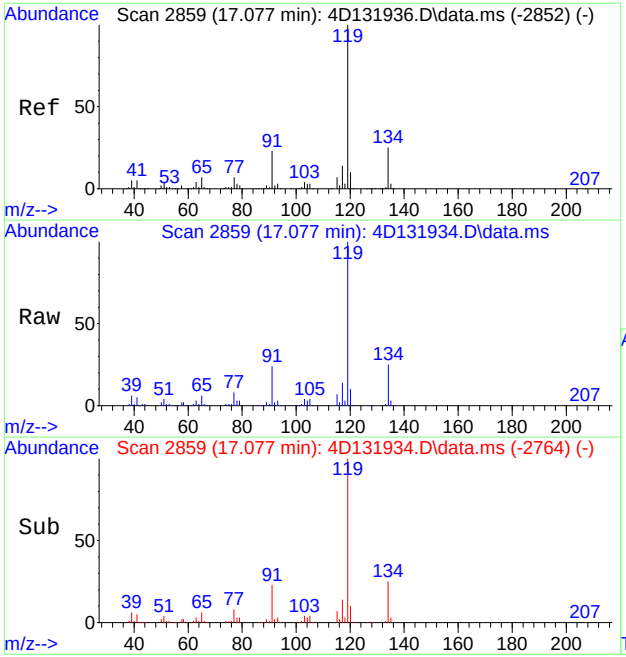


#109
1,3-dichlorobenzene
Concen: 7.85 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:146 Resp: 54425

Ion	Ratio	Lower	Upper
146	100		
111	39.0	9.4	69.4
148	63.0	33.3	93.3

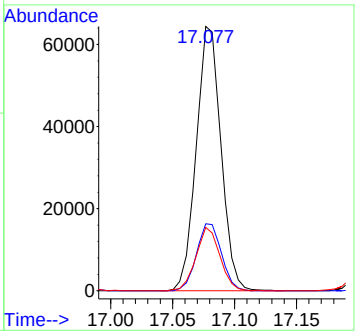


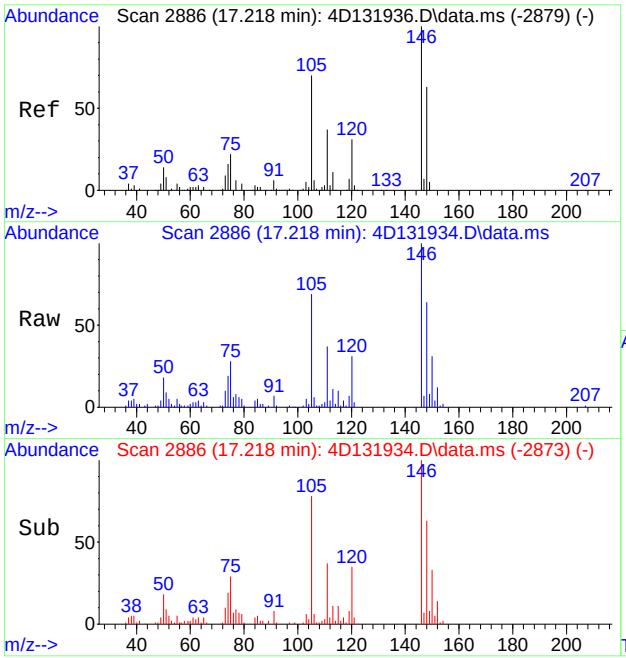


#110
p-isopropyltoluene
Concen: 7.88 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:119 Resp: 89620

Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	55.5
91	24.0	0.0	53.2

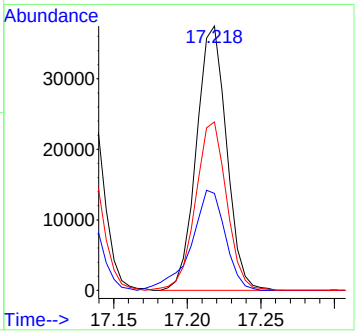


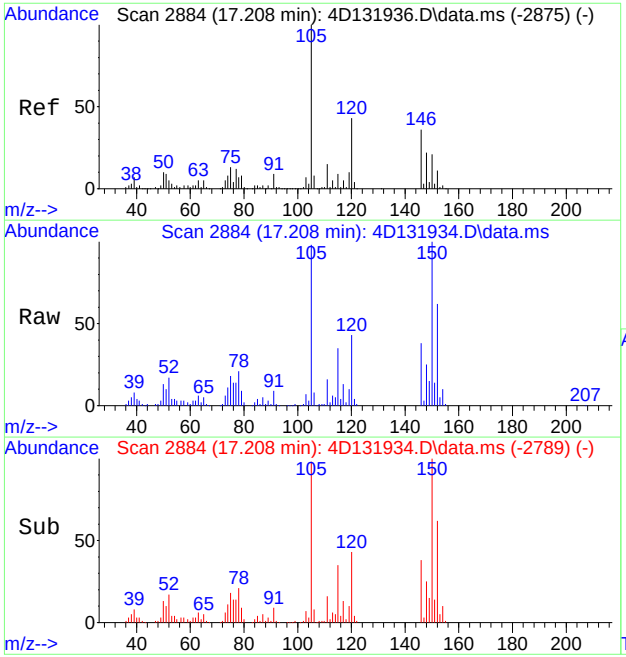


#111
1,4-dichlorobenzene
Concen: 7.93 ug/L
RT: 17.218 min Scan# 2886
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:146 Resp: 53198

Ion	Ratio	Lower	Upper
146	100		
111	36.7	7.6	67.6
148	63.7	33.6	93.6

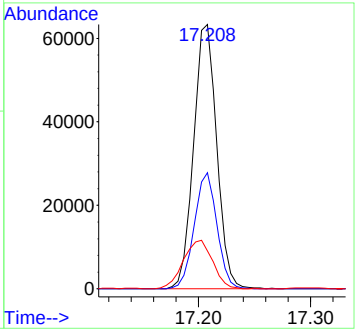


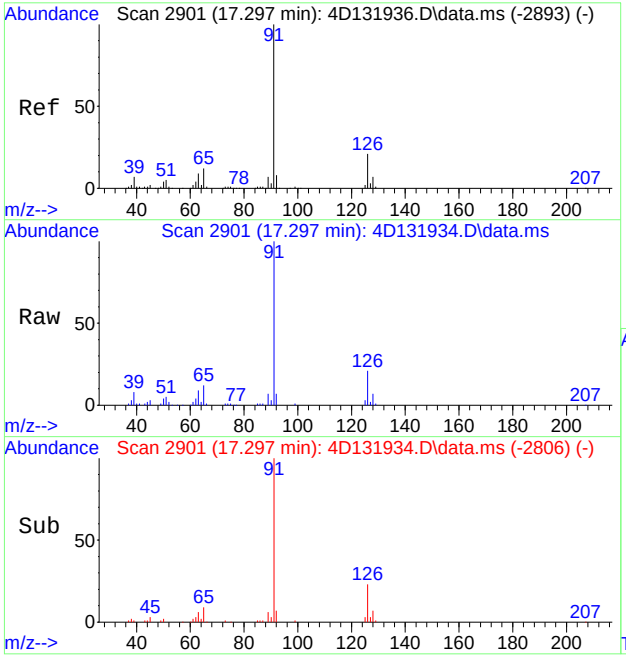


#112
1,2,3-trimethylbenzene
Concen: 7.91 ug/L
RT: 17.208 min Scan# 2884
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:105 Resp: 90887

Ion	Ratio	Lower	Upper
105	100		
120	43.9	12.6	72.6
77	14.3	0.0	42.2

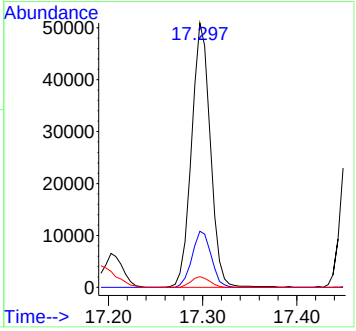


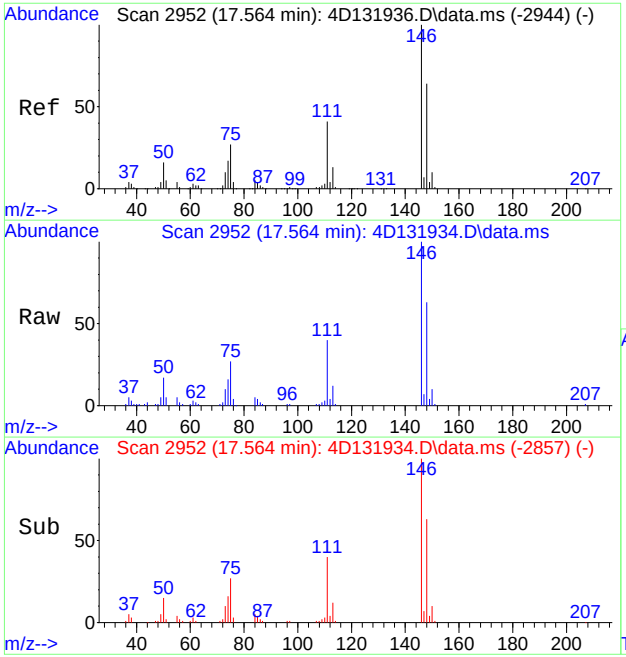


#113
benzyl chloride
Concen: 7.68 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 91 Resp: 70709

Ion	Ratio	Lower	Upper
91	100		
126	21.2	0.0	51.2
62	4.1	0.0	34.2

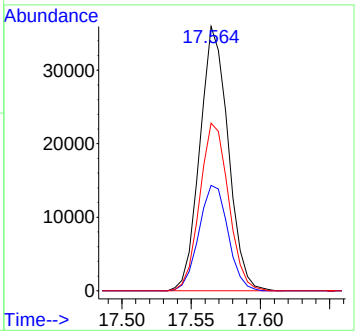


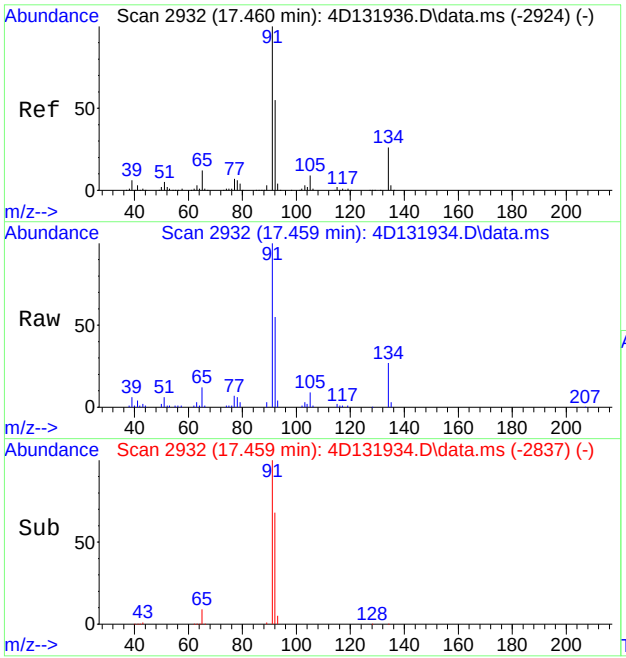


#114
1,2-dichlorobenzene
Concen: 7.89 ug/L
RT: 17.564 min Scan# 2952
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:146 Resp: 51012

Ion	Ratio	Lower	Upper
146	100		
111	39.8	11.4	71.4
148	63.4	33.6	93.6

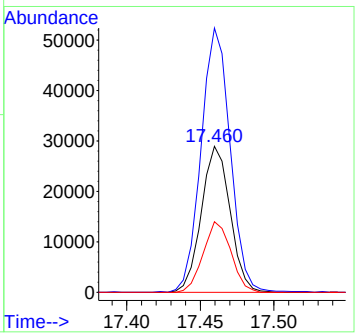


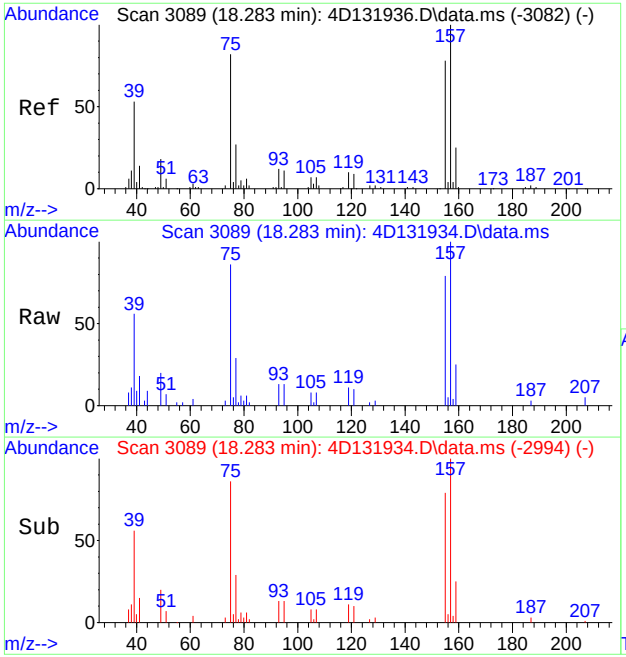


#115
n-butylbenzene
Concen: 7.85 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion: 92 Resp: 39327

Ion	Ratio	Lower	Upper
92	100		
91	180.4	151.4	211.4
134	48.4	16.5	76.5

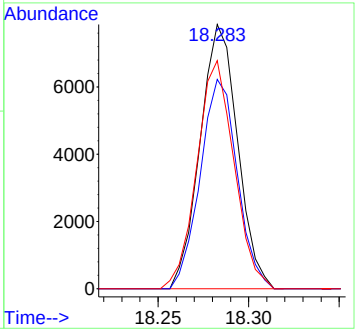


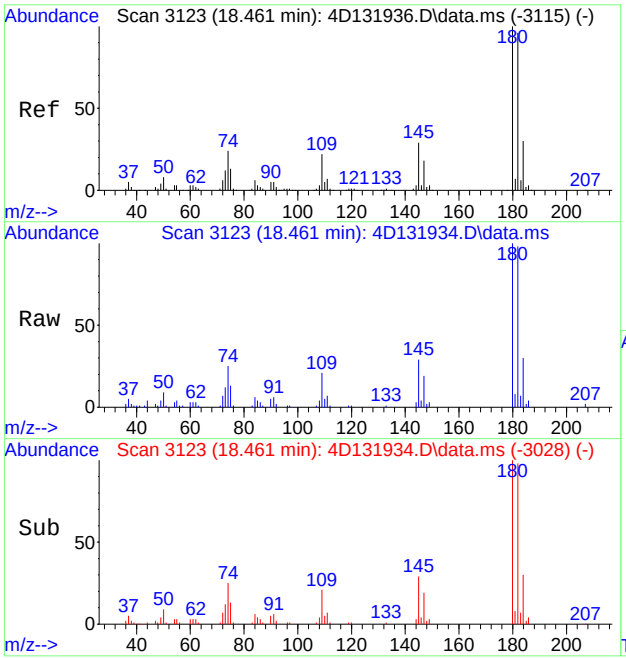


#116
1,2-dibromo-3-chloropropane
Concen: 8.15 ug/L
RT: 18.283 min Scan# 3089
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:157 Resp: 11294

Ion	Ratio	Lower	Upper
157	100		
155	79.2	48.1	108.1
75	86.3	52.3	112.3

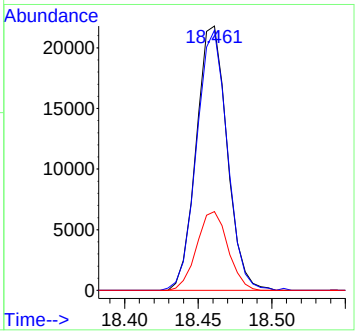


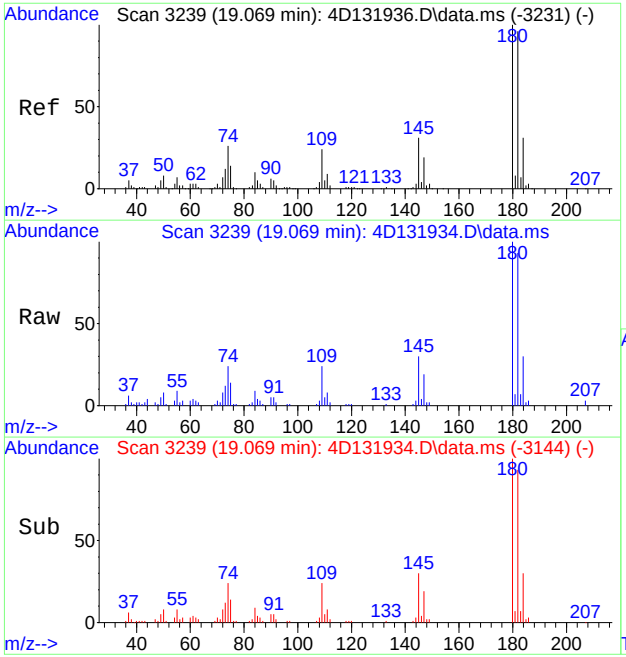


#117
1,3,5-trichlorobenzene
Concen: 8.10 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:180 Resp: 31720

Ion	Ratio	Lower	Upper
180	100		
182	98.4	66.1	126.1
184	29.8	0.3	60.3

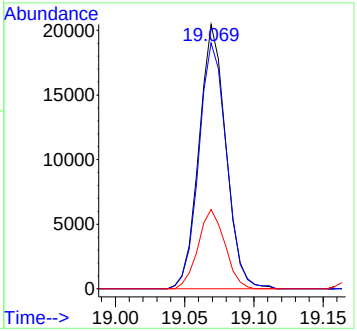


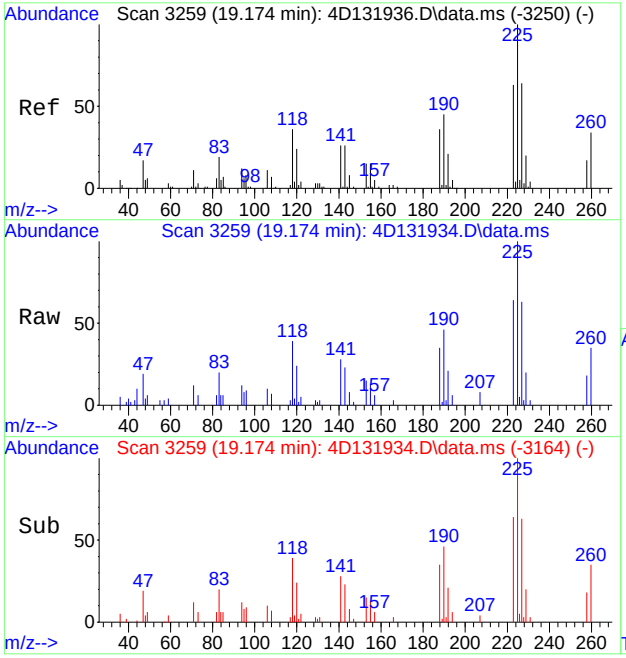


#118
1,2,4-trichlorobenzene
Concen: 8.12 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:180 Resp: 27530

Ion	Ratio	Lower	Upper
180	100		
182	92.9	65.6	125.6
145	30.0	0.8	60.8

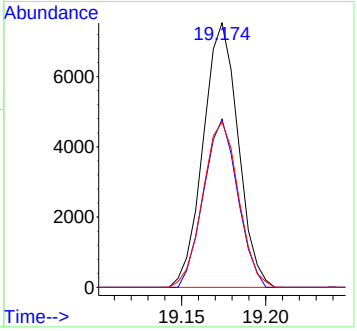


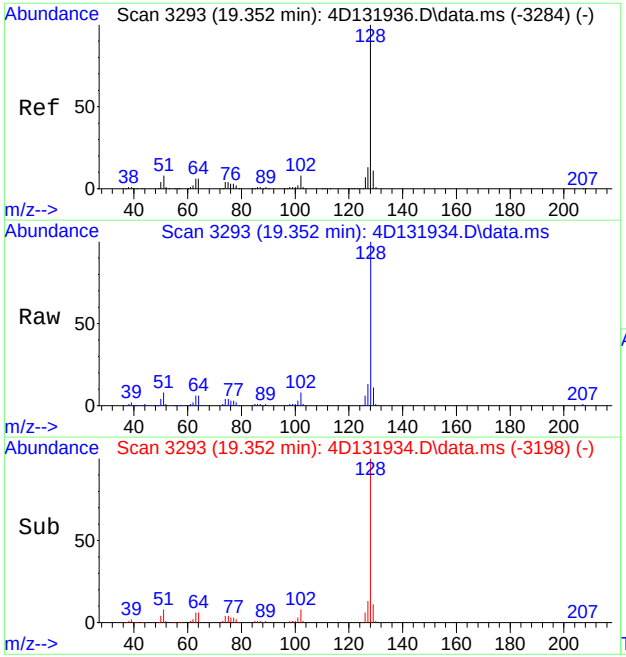


#119
hexachlorobutadiene
Concen: 8.12 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:225 Resp: 10889

Ion	Ratio	Lower	Upper
225	100		
223	63.6	33.3	93.3
227	62.5	33.8	93.8

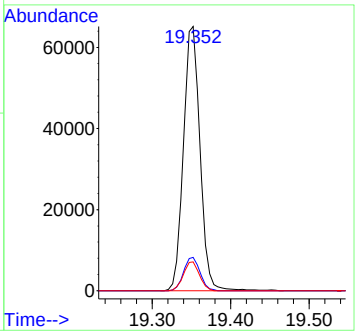


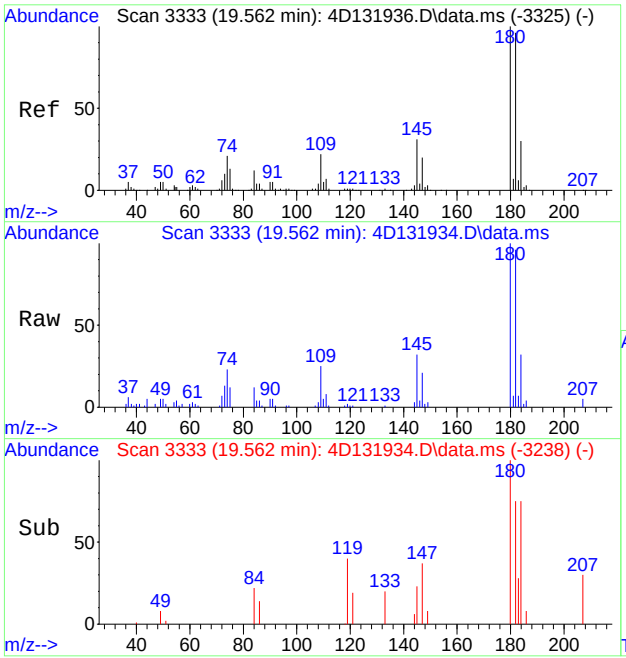


#120
naphthalene
Concen: 8.29 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:128 Resp: 95741

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.5
129	11.0	0.0	41.0

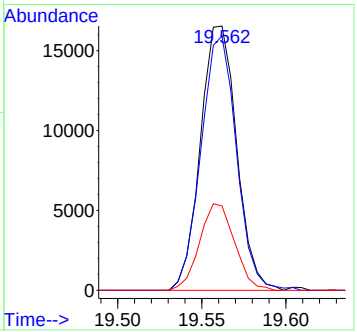


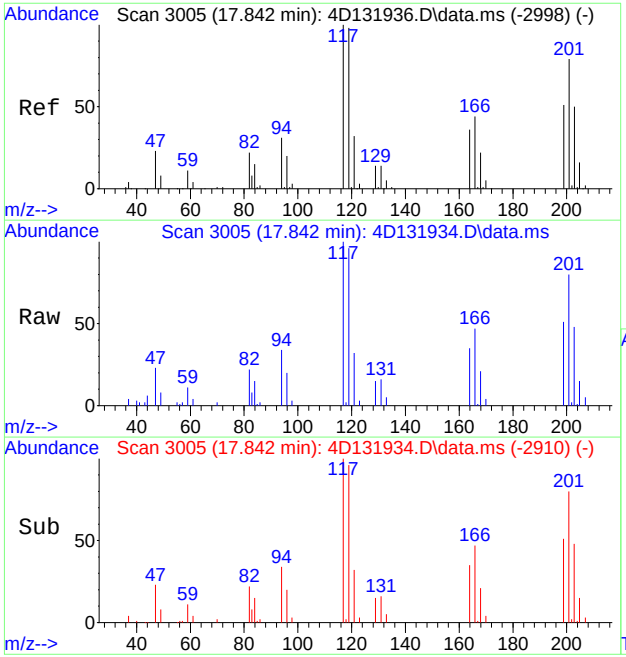


#121
1,2,3-trichlorobenzene
Concen: 8.17 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:180 Resp: 24856

Ion	Ratio	Lower	Upper
180	100		
182	96.2	66.3	126.3
145	31.9	1.3	61.3

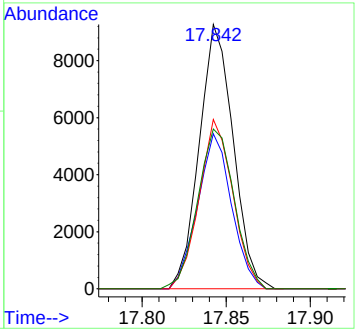


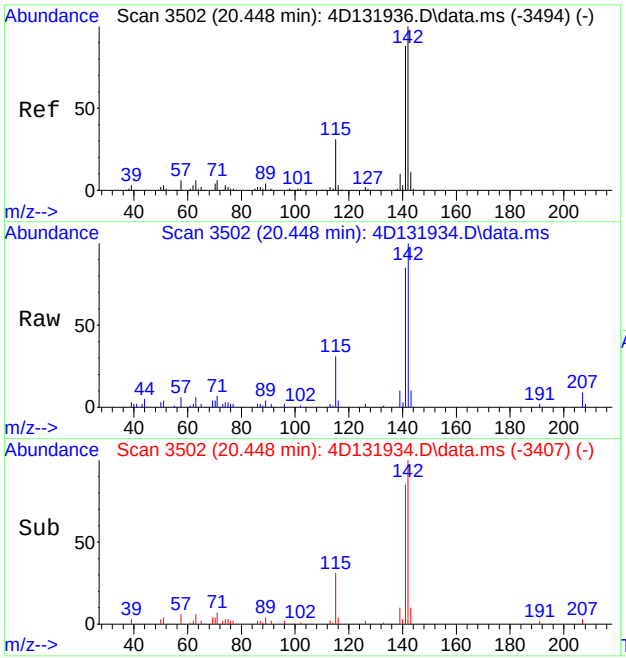


#122
hexachloroethane
Concen: 8.14 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:201 Resp: 13031

Ion	Ratio	Lower	Upper
201	100		
166	58.6	26.1	86.1
199	64.0	33.8	93.8
203	60.4	33.7	93.7

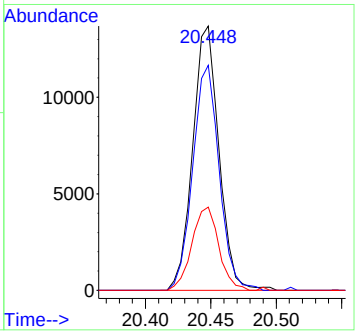




#123
2-methylnaphthalene
Concen: 4.03 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. -0.000 min
Lab File: 4D131934.D
Acq: 6 Oct 2023 6:02 pm

Tgt Ion:142 Resp: 19104

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.9	107.9
115	31.5	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131935.D
Acq On : 6 Oct 2023 6:31 pm
Operator : nickw
Sample : ic5842-20
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:34:25 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:32:54 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.824	65	425102	500.00	ug/L	0.00
5) pentafluorobenzene	11.299	168	391404	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	641641	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	513670	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	223881	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.299	168	391404	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	223881	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.336	113	209125	50.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.46%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	235220	49.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.42%			
74) toluene-d8 (s)	13.705	98	676650	49.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.98%			
97) 4-bromofluorobenzene (s)	16.122	95	234224	49.82	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.64%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.955	59	126823	90.39	ug/L	99
3) ethanol	7.319	45	248599	1854.91	ug/L	99
4) 1,4-dioxane	12.809	88	43597	500.23	ug/L	99
6) chlorodifluoromethane	4.808	51	104658	19.13	ug/L	99
7) dichlorodifluoromethane	4.735	85	113688	19.12	ug/L	99
8) chloromethane	5.248	50	119980	17.90	ug/L	100
9) vinyl chloride	5.500	62	105528	19.79	ug/L	100
10) 1,3-butadiene	5.600	54	82207	18.79	ug/L	100
11) bromomethane	6.287	94	51506	16.98	ug/L	99
12) chloroethane	6.533	64	59606	18.92	ug/L	99
13) trichlorofluoromethane	7.078	101	129007	20.54	ug/L	99
14) ethyl ether	7.587	74	45049	20.81	ug/L	95
15) acrolein	7.854	56	27072	19.91	ug/L	99
16) freon 113	8.064	151	58711	20.77	ug/L	98
17) 1,1-dichloroethene	8.080	96	64456	19.54	ug/L	96
18) acetone	8.085	58	62850	62.44	ug/L	94
19) acetonitrile	8.562	41	186113	190.14	ug/L	100
20) iodomethane	8.368	142	84358	26.47	ug/L	99
21) carbon disulfide	8.520	76	195209	18.75	ug/L	99
22) methylene chloride	8.892	84	76999	16.75	ug/L	98
23) methyl acetate	8.620	74	20302	20.27	ug/L	97
24) methyl tert butyl ether	9.286	73	237196	19.20	ug/L	99
25) trans-1,2-dichloroethene	9.333	96	72012	19.13	ug/L	98
26) di-isopropyl ether	9.951	45	280885	18.79	ug/L	100
27) 2-butanone	10.670	72	65832	73.60	ug/L	95
28) 1,1-dichloroethane	9.972	63	148821	19.52	ug/L	99
29) chloroprene	10.077	53	133908	19.43	ug/L	98
30) acrylonitrile	9.223	53	49714	19.48	ug/L	99
31) hexane	9.726	56	64127	17.66	ug/L	98
32) vinyl acetate	9.904	86	19338	22.33	ug/L	95
33) ethyl tert-butyl ether	10.450	59	282157	19.25	ug/L	99
34) ethyl acetate	10.685	70	15655	17.60	ug/L	97
35) 2,2-dichloropropane	10.769	77	110868	16.99	ug/L	99
36) cis-1,2-dichloroethene	10.743	96	81984	18.38	ug/L	99
37) methyl acrylate	10.775	55	150609	18.89	ug/L	99
38) propionitrile	10.754	54	221029	190.41	ug/L	98
39) bromochloromethane	11.052	128	42246	19.18	ug/L	99
40) tetrahydrofuran	11.073	72	16849	17.88	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131935.D
Acq On : 6 Oct 2023 6:31 pm
Operator : nickw
Sample : ic5842-20
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:34:25 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:32:54 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	11.142	85	89859	14.80 ug/L	98
42) t-butyl formate	11.173	59	40490	20.95 ug/L	98
44) methacrylonitrile	10.963	67	46390	18.55 ug/L	96
45) 1,1,1-trichloroethane	11.399	97	116726	19.45 ug/L	99
46) cyclohexane	11.514	84	103418	18.83 ug/L	97
47) 1,1-dichloropropene	11.577	75	98772	19.41 ug/L	99
48) isobutyl alcohol	11.540	74	8499	180.23 ug/L #	82
49) carbon tetrachloride	11.598	117	102198	19.69 ug/L	98
50) tert amyl alcohol	11.692	55	41142	90.99 ug/L	98
53) n-butyl alcohol	12.253	56	314398	941.42 ug/L	99
54) 2,2,4-trimethylpentane	11.902	57	206501	18.03 ug/L	98
55) benzene	11.818	78	273988	18.64 ug/L	99
56) tert-amyl methyl ether	11.886	87	53786	19.29 ug/L	99
57) heptane	12.054	71	44060	17.78 ug/L	98
58) isopropyl acetate	11.718	87	21712	19.83 ug/L	96
59) 1,2-dichloroethane	11.844	62	110939	17.81 ug/L	99
60) trichloroethene	12.505	130	76779	19.24 ug/L	98
61) ethyl acrylate	12.479	55	148607	19.13 ug/L	100
63) 2-chloroethyl vinyl ether	13.218	63	216686	96.72 ug/L	100
64) methyl methacrylate	12.720	100	26492	19.29 ug/L	95
65) 1,2-dichloropropane	12.772	63	81128	19.38 ug/L	97
66) dibromomethane	12.872	93	49653	18.73 ug/L	98
67) methylcyclohexane	12.772	83	109760	19.03 ug/L	99
68) bromodichloromethane	13.008	83	100150	18.49 ug/L	98
69) epichlorohydrin	13.302	57	73488	90.32 ug/L	99
70) cis-1,3-dichloropropene	13.422	75	121038	19.02 ug/L	99
71) 4-methyl-2-pentanone	13.506	58	192943	74.81 ug/L	94
75) toluene	13.774	92	165449	18.80 ug/L	99
76) trans-1,3-dichloropropene	13.936	75	108467	18.65 ug/L	98
77) ethyl methacrylate	13.915	69	105417	18.19 ug/L	99
78) 1,1,2-trichloroethane	14.141	83	57660	18.30 ug/L	99
79) tetrachloroethene	14.277	164	58890	19.20 ug/L	98
80) 1,3-dichloropropane	14.303	76	104642	18.67 ug/L	100
81) 2-hexanone	14.277	58	203407	72.15 ug/L	98
82) butyl acetate	14.335	56	70398	17.27 ug/L	100
83) dibromochloromethane	14.534	129	81437	18.82 ug/L	99
84) 1,2-dibromoethane	14.675	107	73490	18.49 ug/L	99
85) n-butyl ether	15.037	57	317393	19.10 ug/L	100
86) chlorobenzene	15.105	112	180825	18.70 ug/L	99
87) 1,1,1,2-tetrachloroethane	15.158	131	66592	19.05 ug/L	99
88) ethylbenzene	15.153	91	296065	18.57 ug/L	100
89) m,p-xylene	15.257	106	227853	37.13 ug/L	98
90) o-xylene	15.624	106	112879	18.84 ug/L	95
91) styrene	15.635	104	188594	18.67 ug/L	100
92) bromoform	15.855	173	57610	18.84 ug/L	99
93) butyl acrylate	15.446	55	175261	18.55 ug/L	99
94) isopropylbenzene	15.934	105	255688	18.53 ug/L	100
95) cis-1,4-dichloro-2-butene	15.970	88	33650	18.96 ug/L	98
98) bromobenzene	16.301	156	73911	19.27 ug/L	100
99) 1,1,2,2-tetrachloroethane	16.191	83	96636	18.89 ug/L	99
100) trans-1,4-dichloro-2-b...	16.212	53	29721	19.67 ug/L	91
101) 1,2,3-trichloropropane	16.269	110	26632	19.82 ug/L	97
102) n-propylbenzene	16.311	91	300582	18.49 ug/L	100
103) 2-chlorotoluene	16.442	126	65164	18.70 ug/L	95
104) 4-chlorotoluene	16.542	91	192233	17.89 ug/L	99
105) 1,3,5-trimethylbenzene	16.448	105	213667	18.70 ug/L	100
106) tert-butylbenzene	16.762	134	40524	19.53 ug/L	97
107) 1,2,4-trimethylbenzene	16.809	105	217311	18.92 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131935.D
Acq On : 6 Oct 2023 6:31 pm
Operator : nickw
Sample : ic5842-20
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:34:25 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:32:54 2023
Response via : Initial Calibration

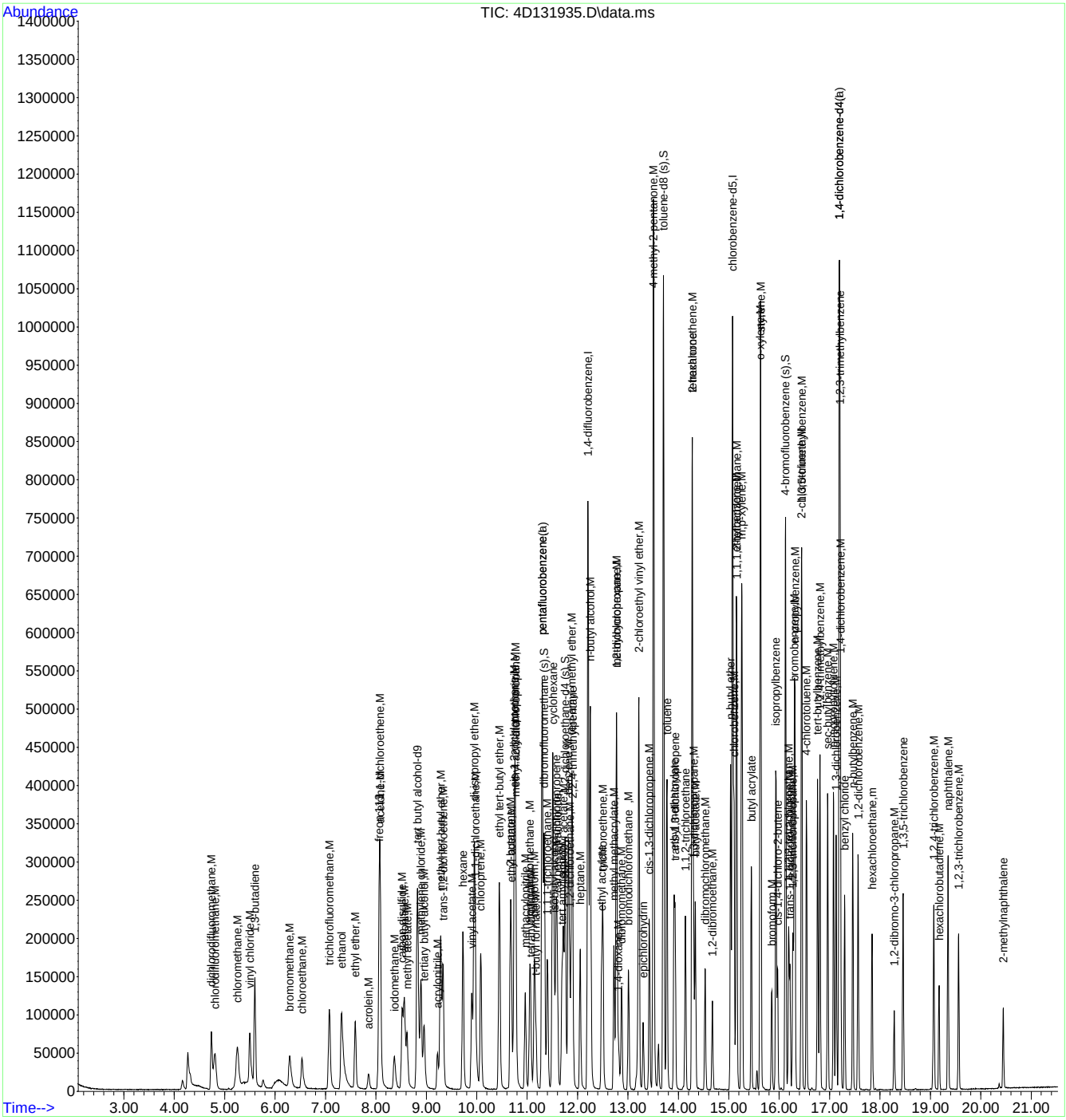
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	16.961	105	248158	18.83	ug/L	100
109) 1,3-dichlorobenzene	17.129	146	127323	19.19	ug/L	99
110) p-isopropyltoluene	17.077	119	207331	19.04	ug/L	99
111) 1,4-dichlorobenzene	17.218	146	122435	19.06	ug/L	99
112) 1,2,3-trimethylbenzene	17.208	105	208251	18.92	ug/L	98
113) benzyl chloride	17.297	91	162532	18.51	ug/L	99
114) 1,2-dichlorobenzene	17.570	146	119694	19.33	ug/L	98
115) n-butylbenzene	17.459	92	90475	18.88	ug/L	98
116) 1,2-dibromo-3-chloropr...	18.283	157	27262	20.45	ug/L	97
117) 1,3,5-trichlorobenzene	18.461	180	75407	20.03	ug/L	98
118) 1,2,4-trichlorobenzene	19.069	180	66154	20.28	ug/L	99
119) hexachlorobutadiene	19.174	225	26136	20.27	ug/L	97
120) naphthalene	19.352	128	221803	19.90	ug/L	99
121) 1,2,3-trichlorobenzene	19.562	180	59476	20.31	ug/L	99
122) hexachloroethane	17.842	201	32603	21.16	ug/L	97
123) 2-methylnaphthalene	20.448	142	47642	10.47	ug/L	98

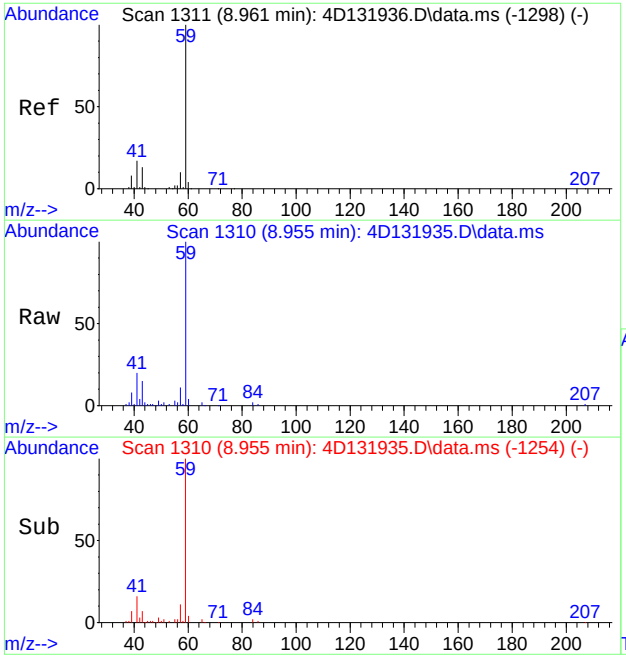
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131935.D
Acq On : 6 Oct 2023 6:31 pm
Operator : nickw
Sample : ic5842-20
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 15:34:25 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:32:54 2023
Response via : Initial Calibration

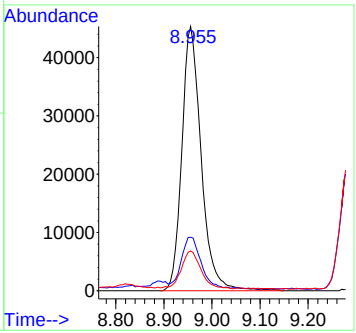


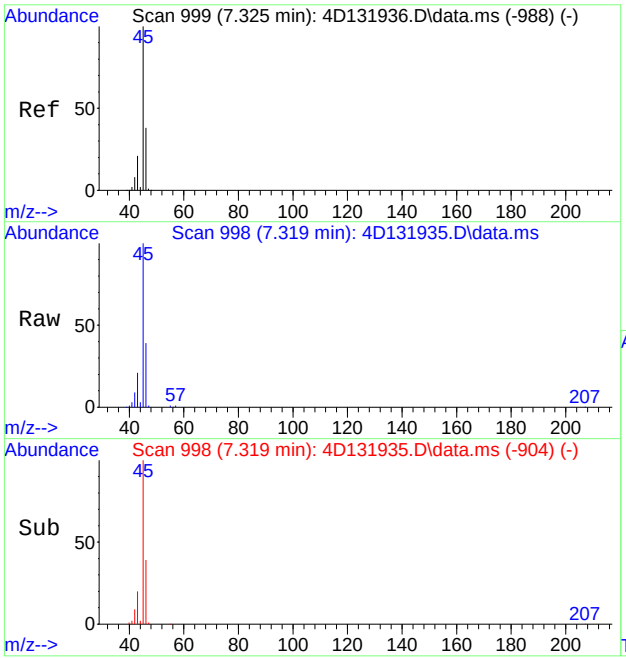


#2
tertiary butyl alcohol
Concen: 90.39 ug/L
RT: 8.955 min Scan# 1310
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 59 Resp: 126823

Ion	Ratio	Lower	Upper
59	100		
41	19.6	0.0	49.8
43	14.2	0.0	43.7

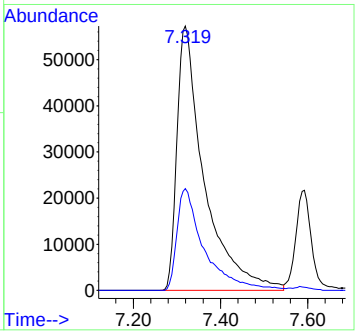


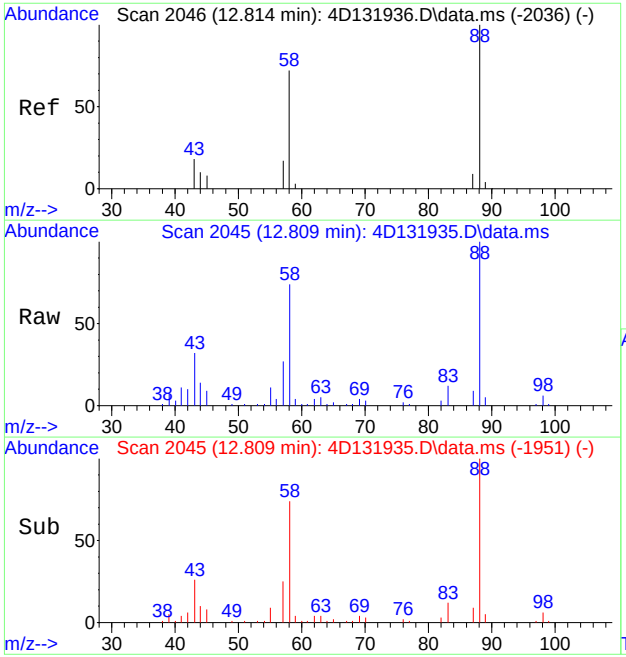


#3
ethanol
Concen: 1854.91 ug/L
RT: 7.319 min Scan# 998
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 45 Resp: 248599

Ion	Ratio	Lower	Upper
45	100		
46	38.5	8.2	68.2

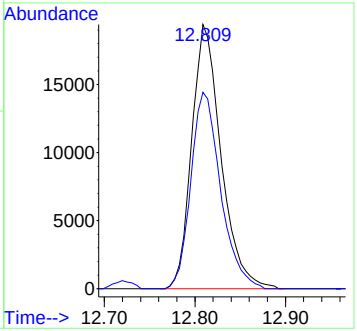


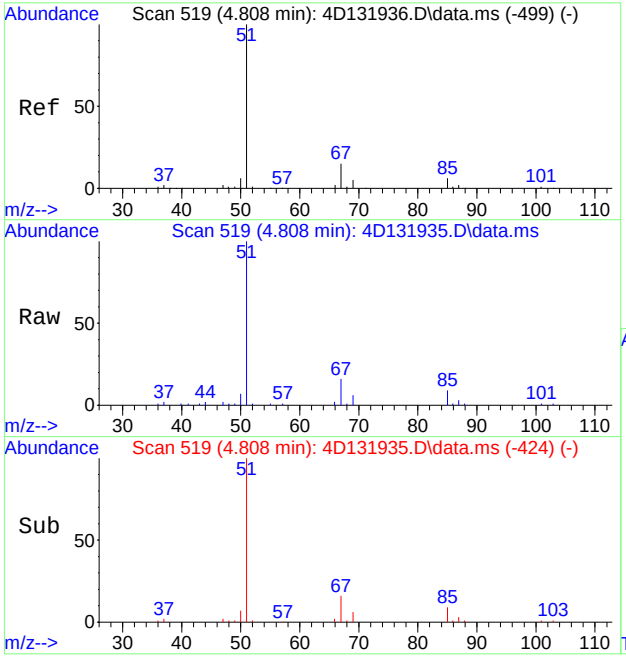


#4
1,4-dioxane
Concen: 500.23 ug/L
RT: 12.809 min Scan# 2045
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 88 Resp: 43597

Ion	Ratio	Lower	Upper
88	100		
58	74.4	43.1	103.1

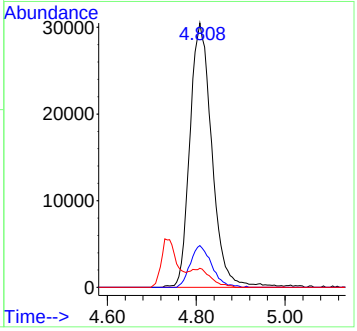


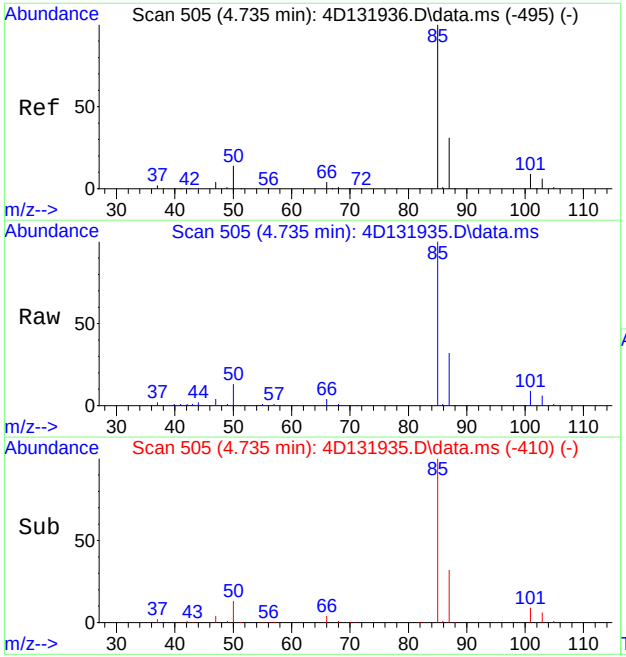


#6
chlorodifluoromethane
Concen: 19.13 ug/L
RT: 4.808 min Scan# 519
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 51 Resp: 104658

Ion	Ratio	Lower	Upper
51	100		
67	15.8	0.0	45.1
50	7.2	0.0	36.9

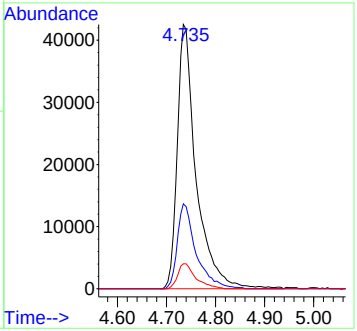


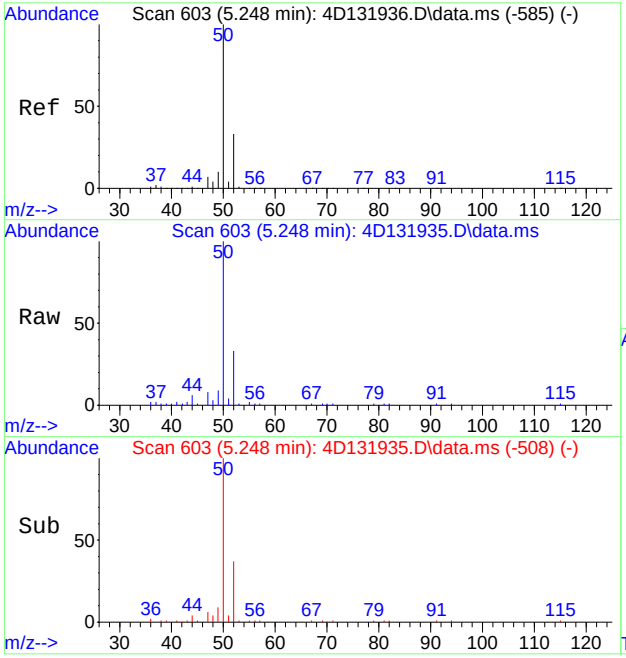


#7
dichlorodifluoromethane
Concen: 19.12 ug/L
RT: 4.735 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 85 Resp: 113688

Ion	Ratio	Lower	Upper
85	100		
87	32.1	1.4	61.4
101	9.5	0.0	39.3

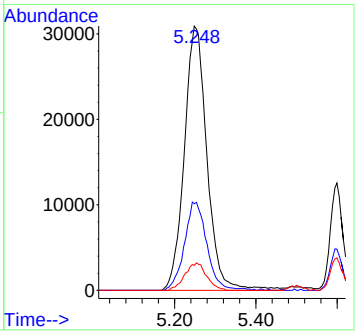


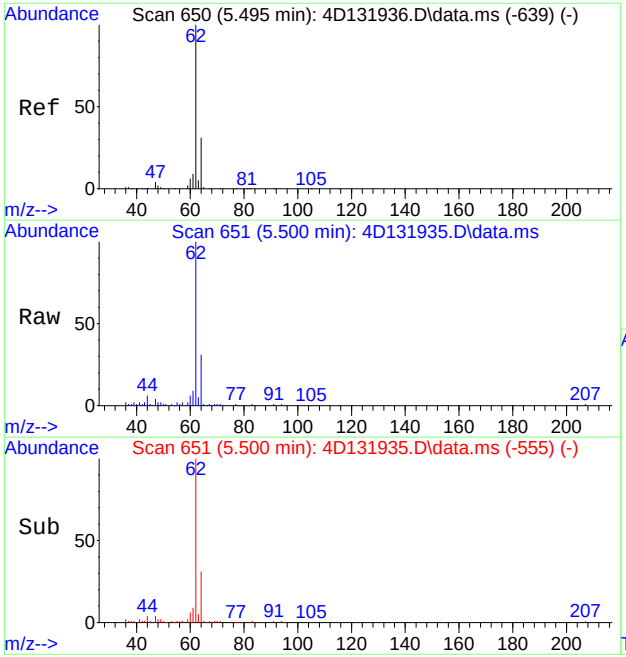


#8
chloromethane
Concen: 17.90 ug/L
RT: 5.248 min Scan# 603
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 50 Resp: 119980

Ion	Ratio	Lower	Upper
50	100		
52	32.8	2.8	62.8
49	9.4	0.0	40.0

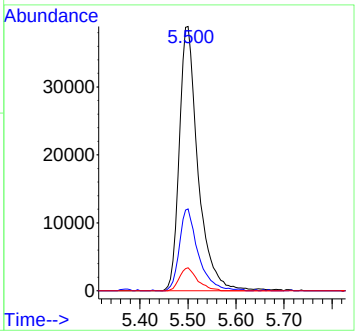


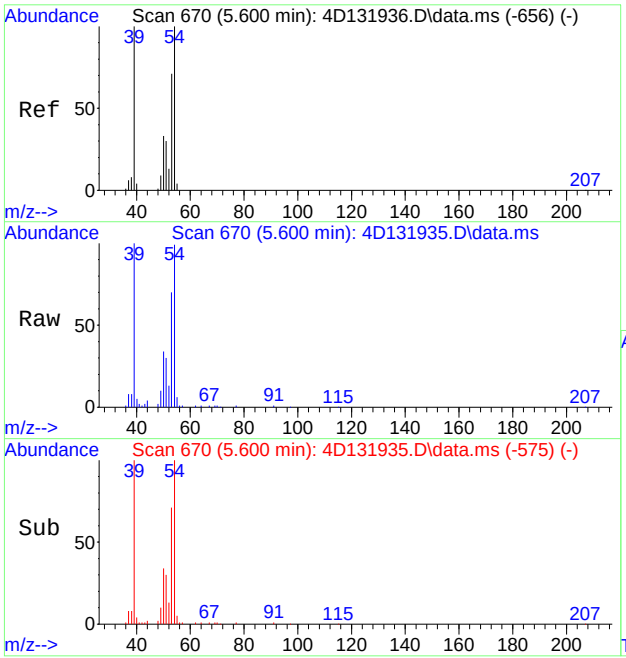


#9
vinyl chloride
Concen: 19.79 ug/L
RT: 5.500 min Scan# 651
Delta R.T. 0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 62 Resp: 105528

Ion	Ratio	Lower	Upper
62	100		
64	31.0	1.2	61.2
61	8.7	0.0	38.7

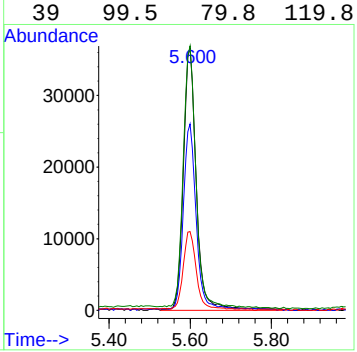


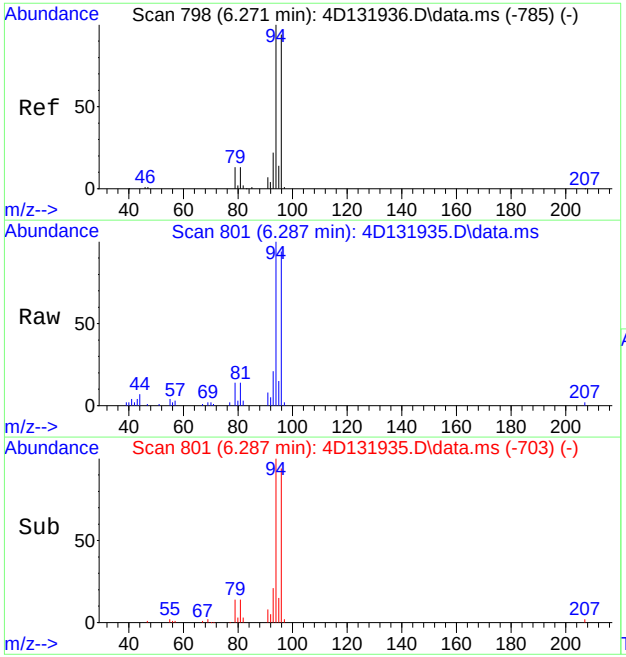


#10
1,3-butadiene
Concen: 18.79 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 54 Resp: 82207

Ion	Ratio	Lower	Upper
54	100		
53	71.0	41.0	101.0
51	29.6	0.0	59.6
39	99.5	79.8	119.8

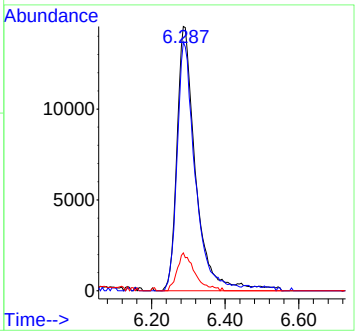


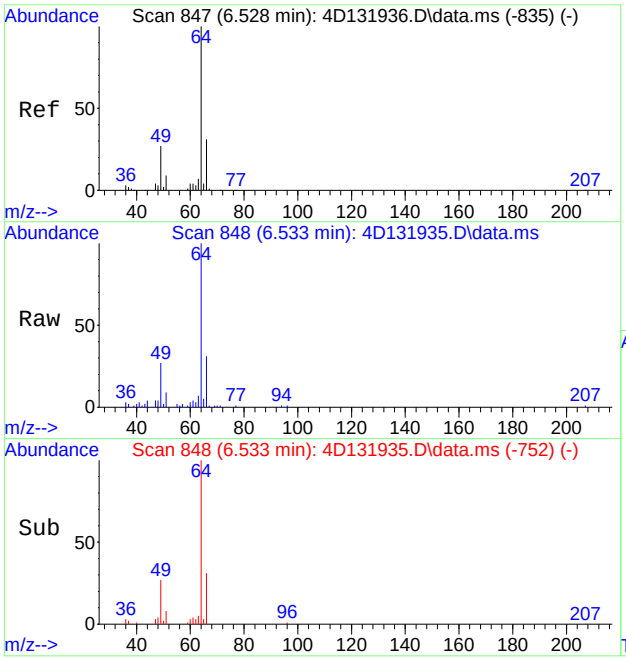


#11
bromomethane
Concen: 16.98 ug/L
RT: 6.287 min Scan# 801
Delta R.T. 0.016 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 94 Resp: 51506

Ion	Ratio	Lower	Upper
94	100		
96	94.0	63.6	123.6
79	14.3	0.0	43.4

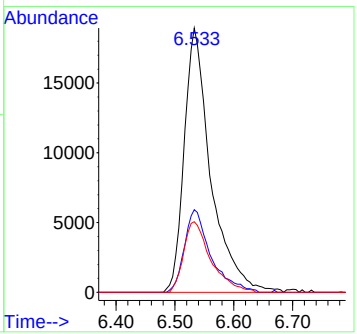


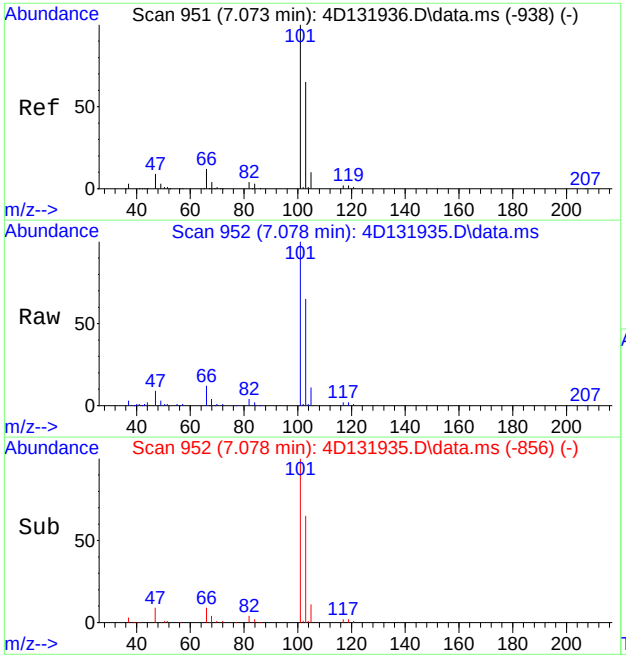


#12
chloroethane
Concen: 18.92 ug/L
RT: 6.533 min Scan# 848
Delta R.T. 0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 64 Resp: 59606

Ion	Ratio	Lower	Upper
64	100		
66	31.2	1.2	61.2
49	26.8	0.0	57.3

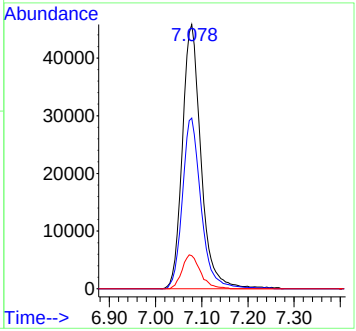


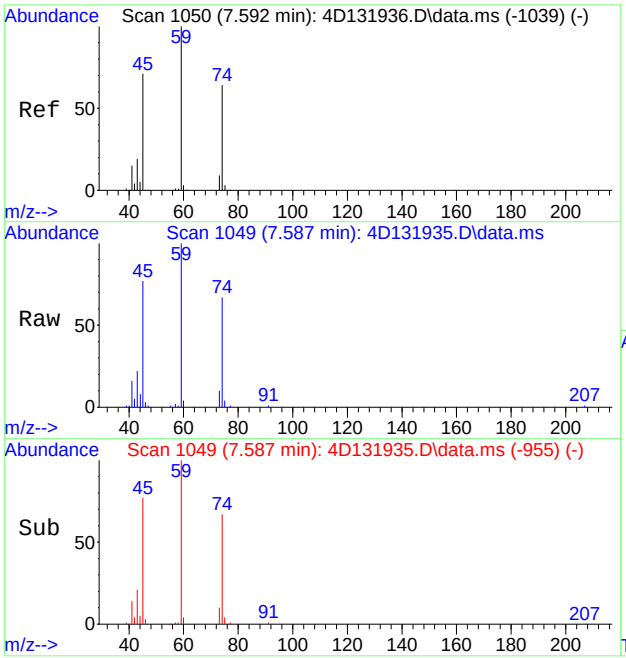


#13
trichlorofluoromethane
Concen: 20.54 ug/L
RT: 7.078 min Scan# 952
Delta R.T. 0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:101 Resp: 129007

Ion	Ratio	Lower	Upper
101	100		
103	64.6	35.1	95.1
66	12.5	0.0	42.2

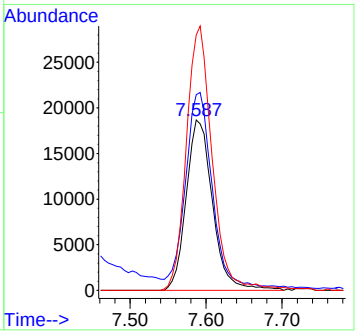


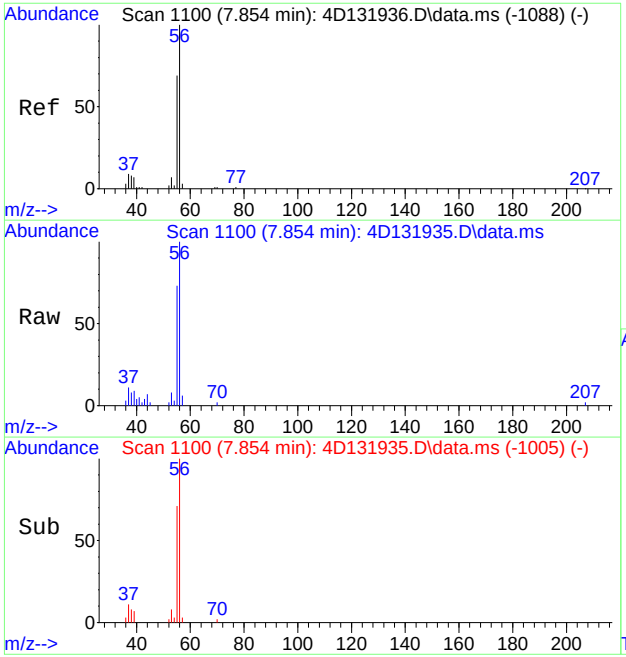


#14
ethyl ether
Concen: 20.81 ug/L
RT: 7.587 min Scan# 1049
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 74 Resp: 45049

Ion	Ratio	Lower	Upper
74	100		
45	112.3	89.0	149.0
59	149.9	125.8	185.8

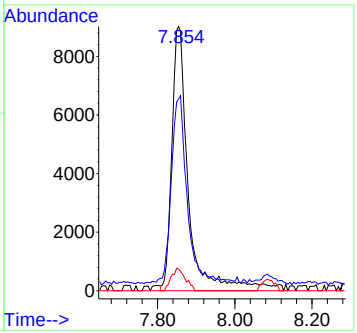


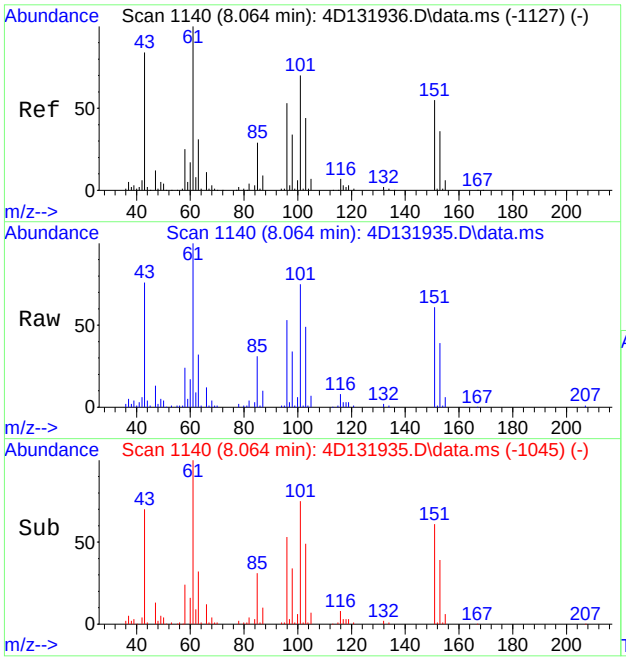


#15
acrolein
Concen: 19.91 ug/L
RT: 7.854 min Scan# 1100
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 56 Resp: 27072

Ion	Ratio	Lower	Upper
56	100		
55	69.3	38.7	98.7
53	8.3	0.0	37.5

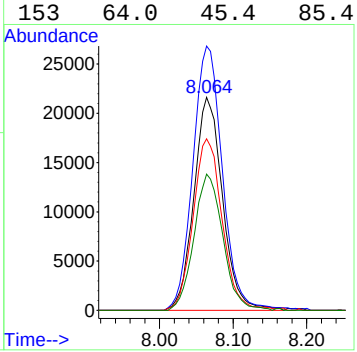


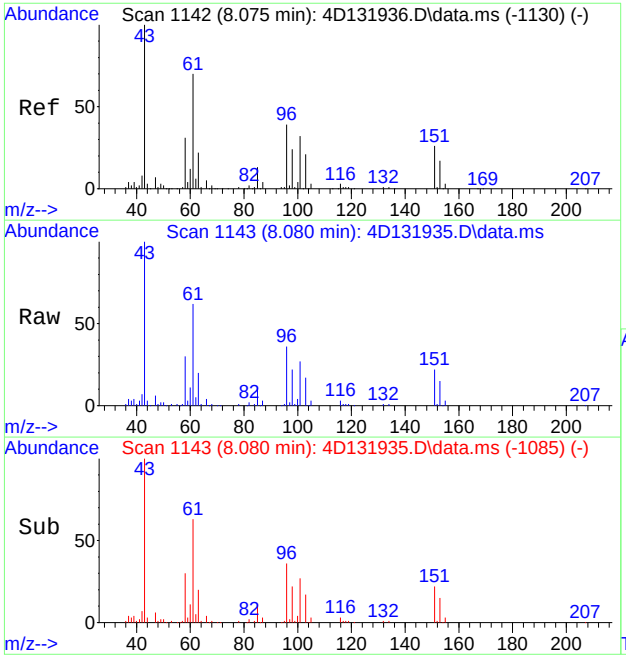


#16
freon 113
Concen: 20.77 ug/L
RT: 8.064 min Scan# 1140
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:151 Resp: 58711

Ion	Ratio	Lower	Upper
151	100		
101	124.1	107.6	147.6
103	80.4	61.2	101.2
153	64.0	45.4	85.4

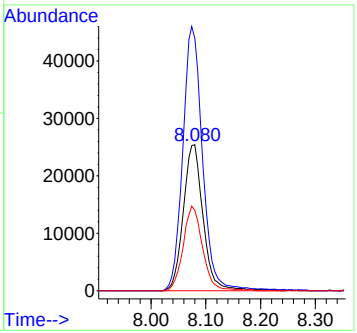


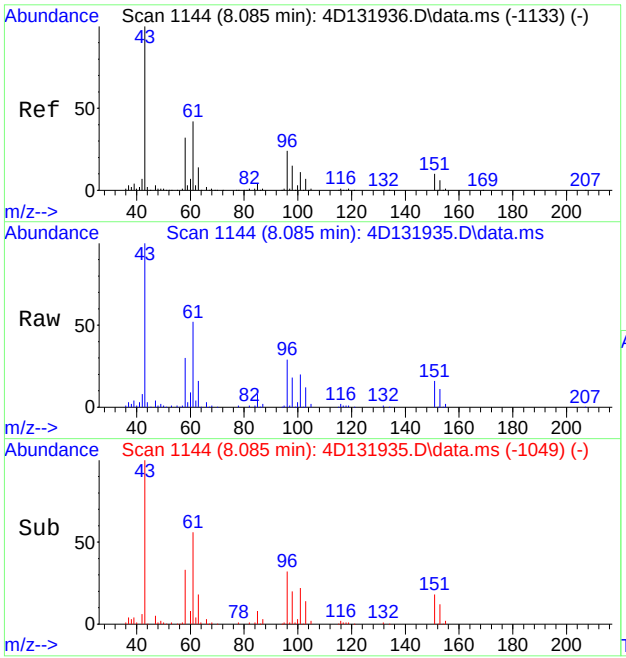


#17
1,1-dichloroethene
Concen: 19.54 ug/L
RT: 8.080 min Scan# 1143
Delta R.T. 0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 96 Resp: 64456

Ion	Ratio	Lower	Upper
96	100		
61	173.0	149.0	209.0
63	55.2	26.1	86.1

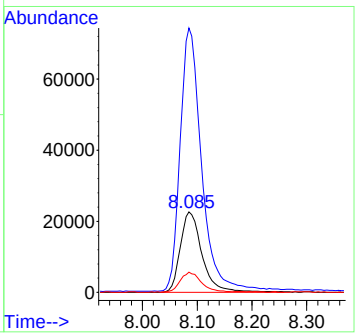




#18
acetone
Concen: 62.44 ug/L
RT: 8.085 min Scan# 1144
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

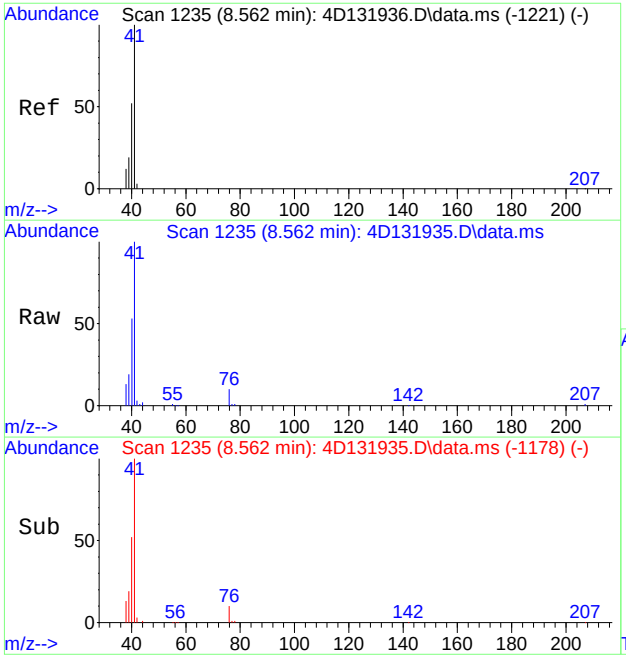
Tgt Ion: 58 Resp: 62850

Ion	Ratio	Lower	Upper
58	100		
43	326.9	285.1	345.1
42	25.2	0.0	53.5



7.6.7

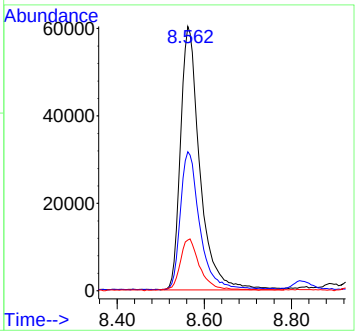
7

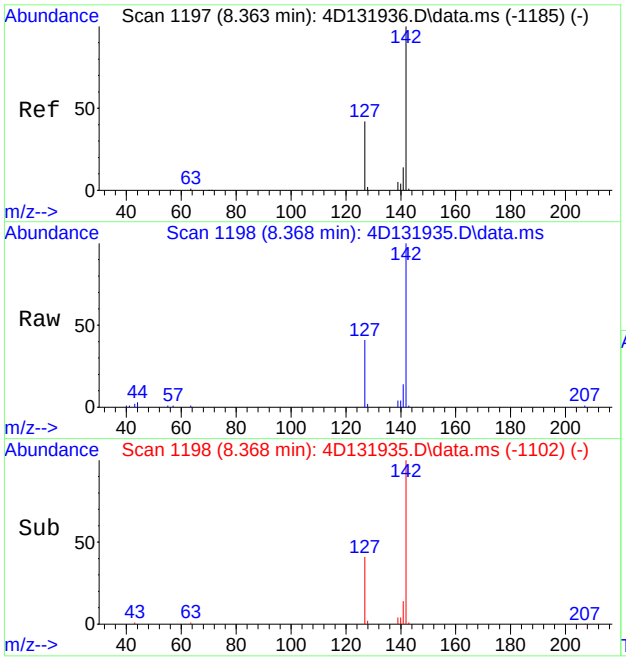


#19
acetonitrile
Concen: 190.14 ug/L
RT: 8.562 min Scan# 1235
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 41 Resp: 186113

Ion	Ratio	Lower	Upper
41	100		
40	52.4	22.4	82.4
39	18.9	0.0	49.2

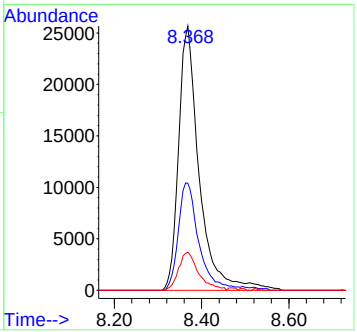


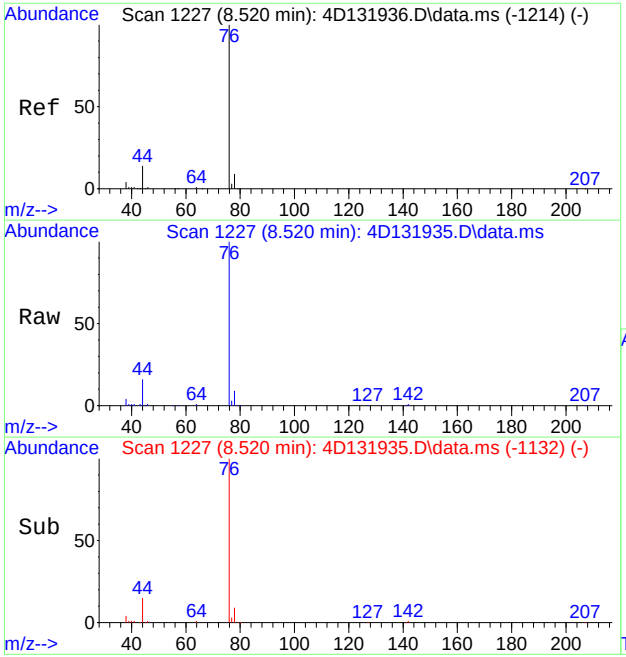


#20
iodomethane
Concen: 26.47 ug/L
RT: 8.368 min Scan# 1198
Delta R.T. 0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:142 Resp: 84358

Ion	Ratio	Lower	Upper
142	100		
127	40.5	11.7	71.7
141	14.4	0.0	44.4

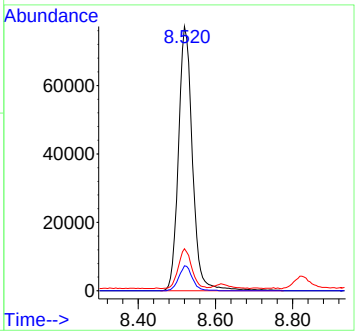


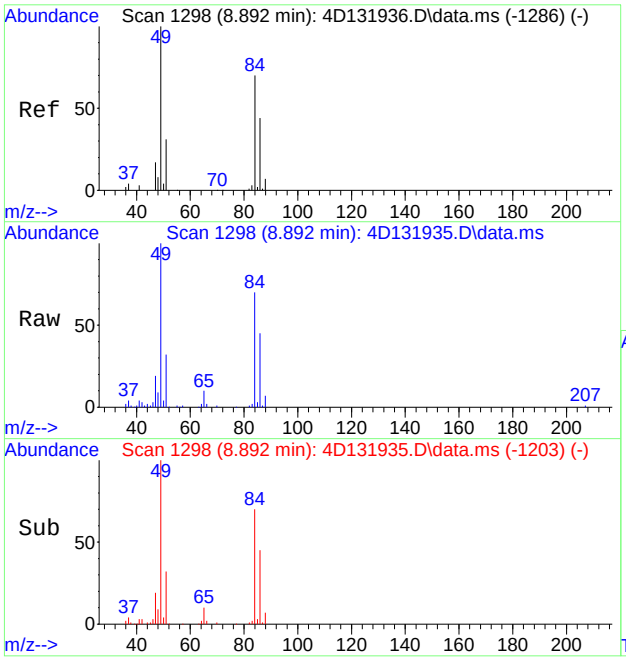


#21
carbon disulfide
Concen: 18.75 ug/L
RT: 8.520 min Scan# 1227
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 76 Resp: 195209

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	39.2
44	15.0	0.0	44.4

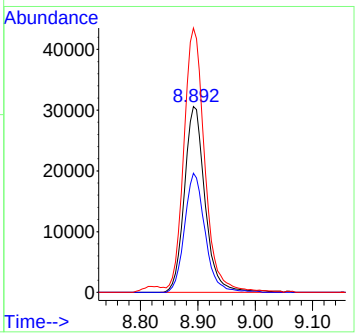


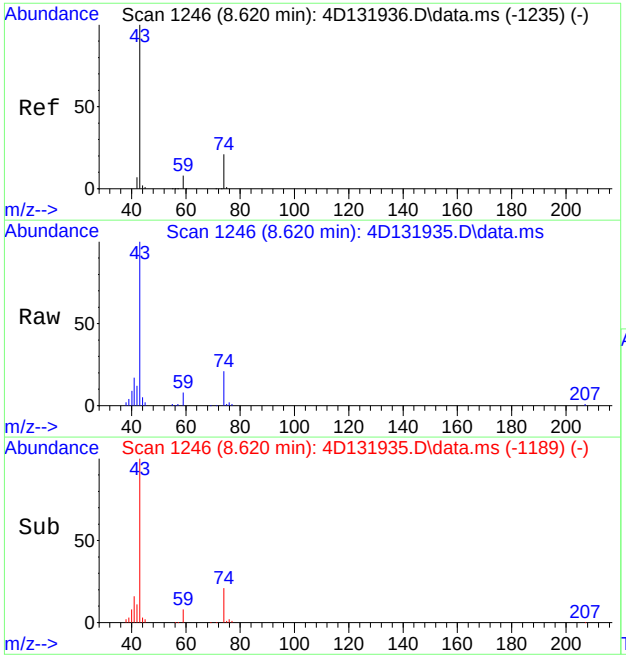


#22
methylene chloride
Concen: 16.75 ug/L
RT: 8.892 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 84 Resp: 76999

Ion	Ratio	Lower	Upper
84	100		
86	64.1	33.7	93.7
49	142.3	114.9	174.9

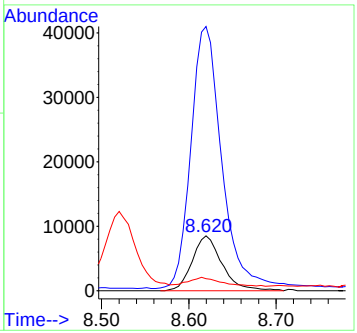


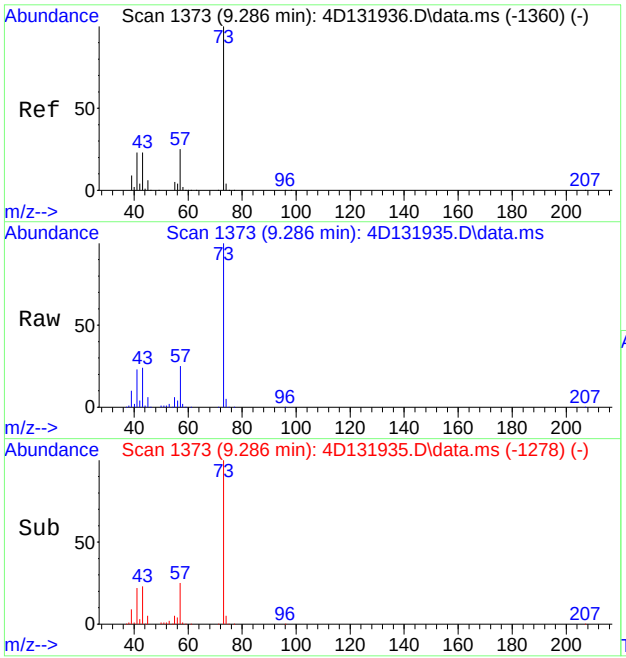


#23
methyl acetate
Concen: 20.27 ug/L
RT: 8.620 min Scan# 1246
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 74 Resp: 20302

Ion	Ratio	Lower	Upper
74	100		
43	474.9	453.1	513.1
44	12.5	0.0	45.1

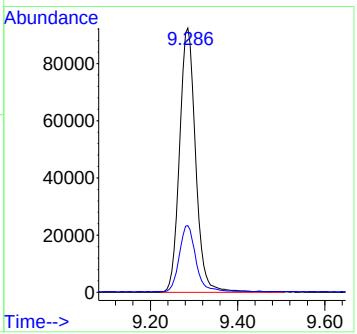


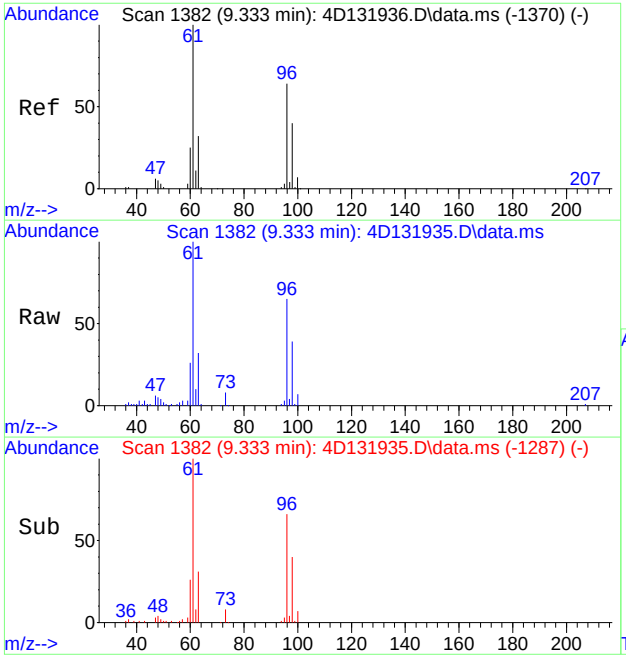


#24
methyl tert butyl ether
Concen: 19.20 ug/L
RT: 9.286 min Scan# 1373
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 73 Resp: 237196

Ion	Ratio	Lower	Upper
73	100		
57	25.0	0.0	224.6

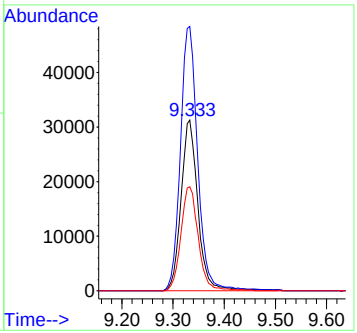


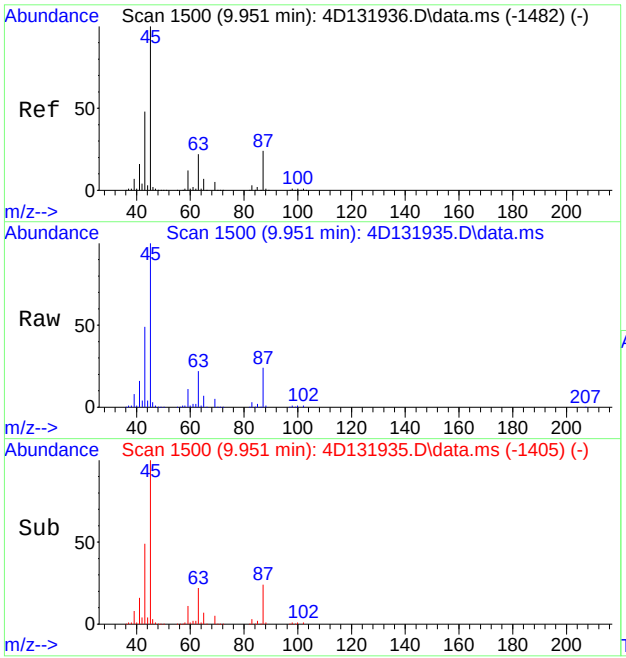


#25
trans-1,2-dichloroethene
Concen: 19.13 ug/L
RT: 9.333 min Scan# 1382
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 96 Resp: 72012

Ion	Ratio	Lower	Upper
96	100		
61	154.8	126.5	186.5
98	60.9	33.3	93.3

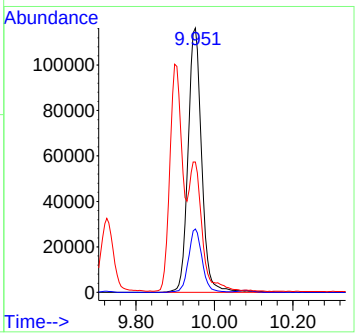


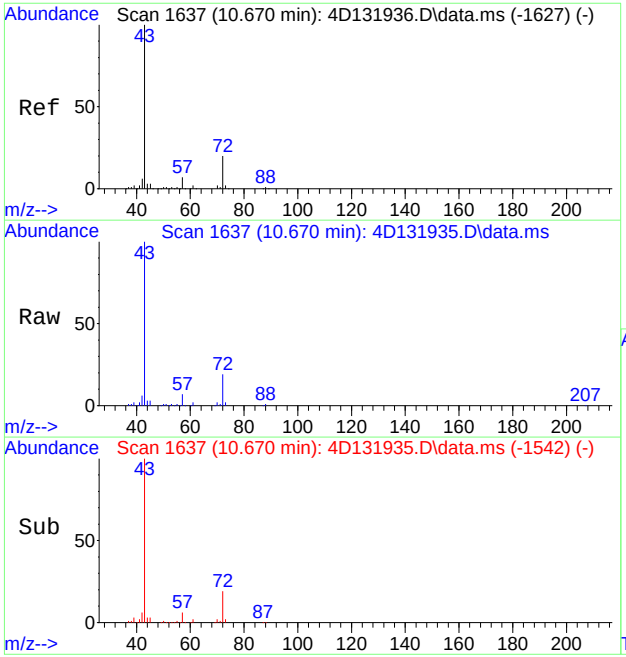


#26
di-isopropyl ether
Concen: 18.79 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 45 Resp: 280885

Ion	Ratio	Lower	Upper
45	100		
87	24.0	0.0	54.4
43	48.9	18.8	78.8

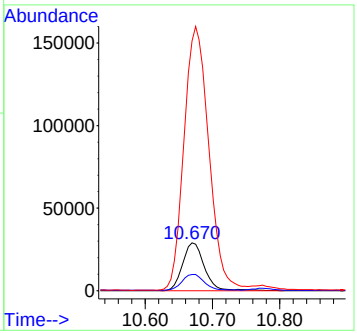


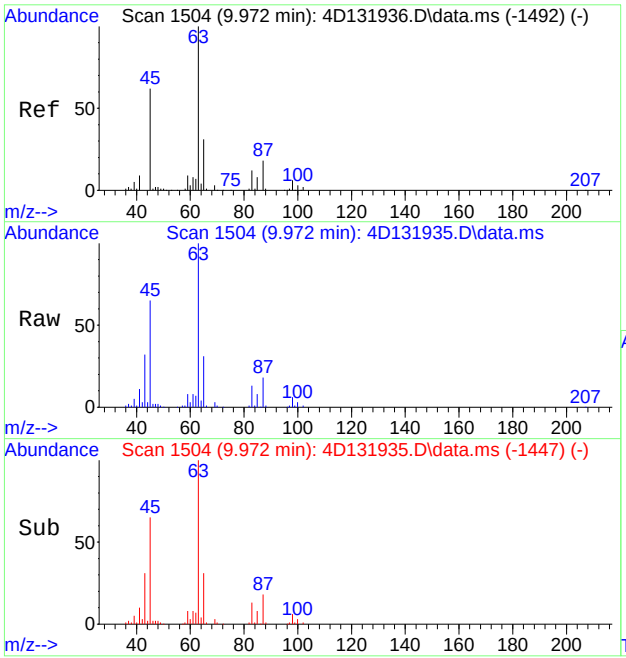


#27
2-butanone
Concen: 73.60 ug/L
RT: 10.670 min Scan# 1637
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 72 Resp: 65832

Ion	Ratio	Lower	Upper
72	100		
57	32.8	3.7	63.7
43	519.8	475.8	535.8

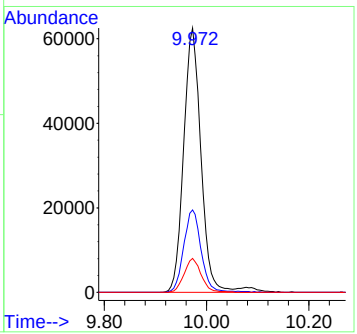


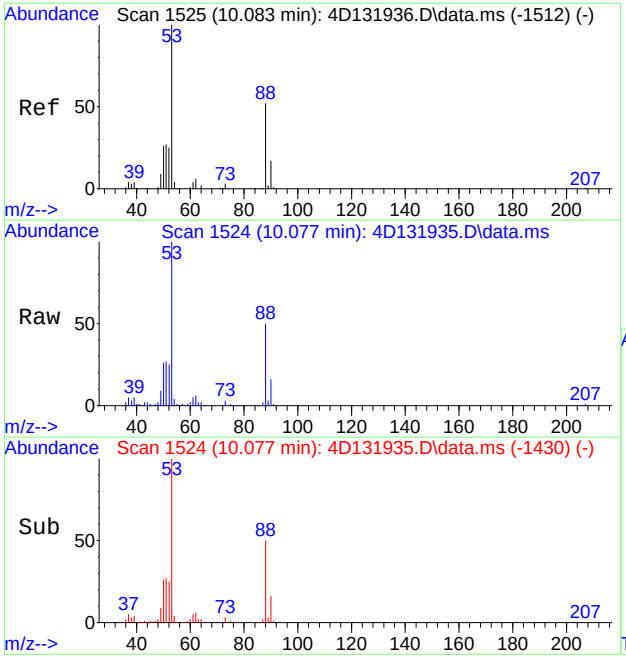


#28
1,1-dichloroethane
Concen: 19.52 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 63 Resp: 148821

Ion	Ratio	Lower	Upper
63	100		
65	31.2	0.9	60.9
83	12.8	0.0	42.3

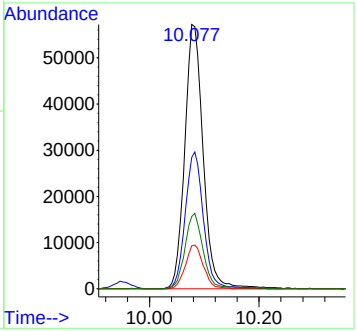


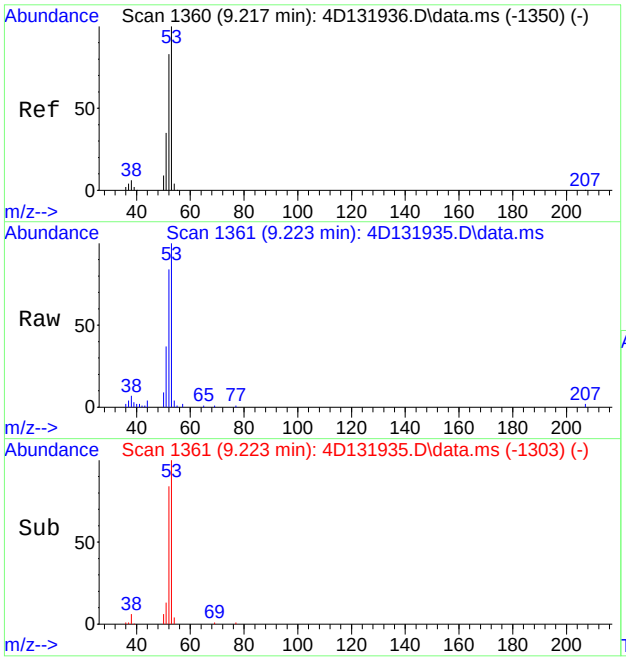


#29
chloroprene
Concen: 19.43 ug/L
RT: 10.077 min Scan# 1524
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 53 Resp: 133908

Ion	Ratio	Lower	Upper
53	100		
88	49.7	21.8	81.8
90	16.2	0.0	47.2
51	27.4	0.0	57.5

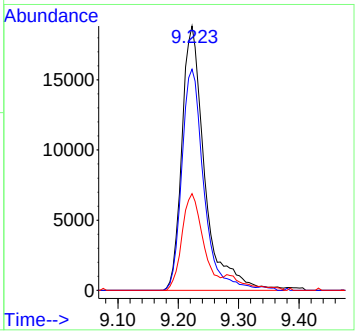


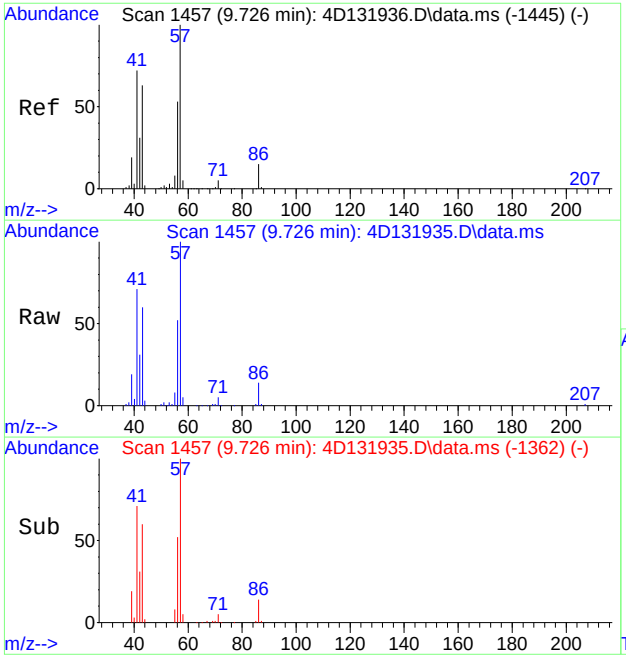


#30
acrylonitrile
Concen: 19.48 ug/L
RT: 9.223 min Scan# 1361
Delta R.T. 0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 53 Resp: 49714

Ion	Ratio	Lower	Upper
53	100		
52	83.6	53.4	113.4
51	36.6	5.0	65.0

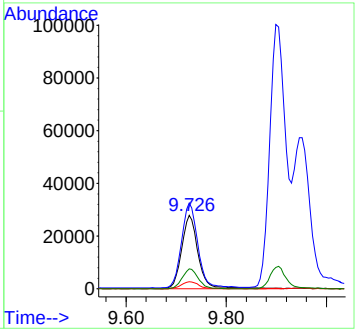


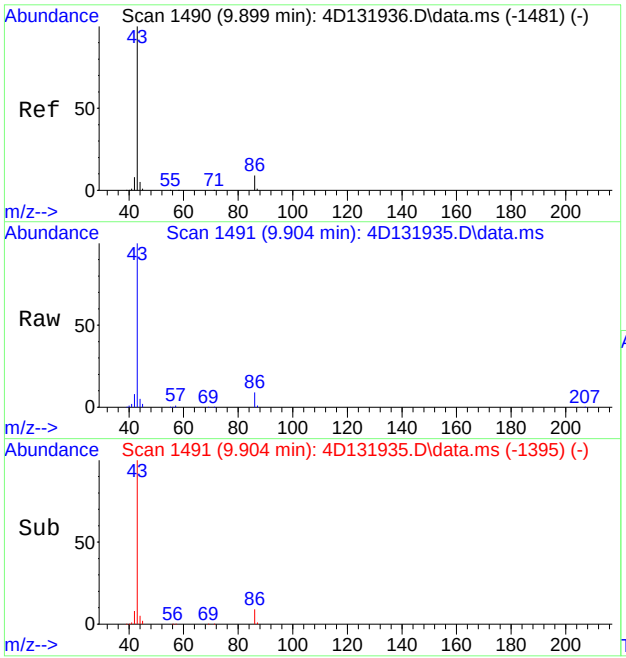


#31
hexane
Concen: 17.66 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 56 Resp: 64127

Ion	Ratio	Lower	Upper
56	100		
43	115.5	98.5	138.5
71	9.7	0.0	30.3
86	27.2	7.7	47.7

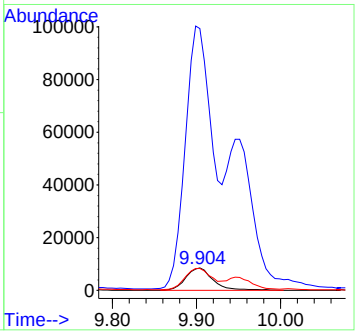


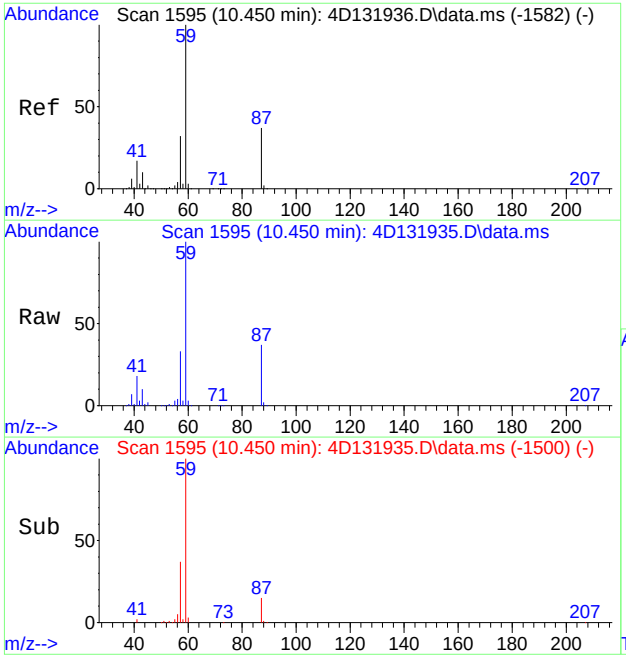


#32
vinyl acetate
Concen: 22.33 ug/L
RT: 9.904 min Scan# 1491
Delta R.T. 0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 86 Resp: 19338

Ion	Ratio	Lower	Upper
86	100		
43	1149.4	1142.7	1202.7
42	93.7	69.4	129.4

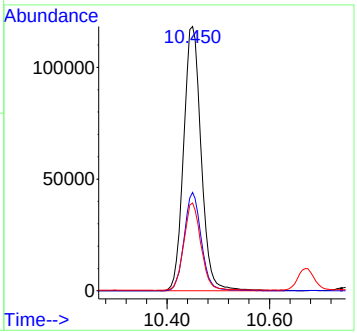


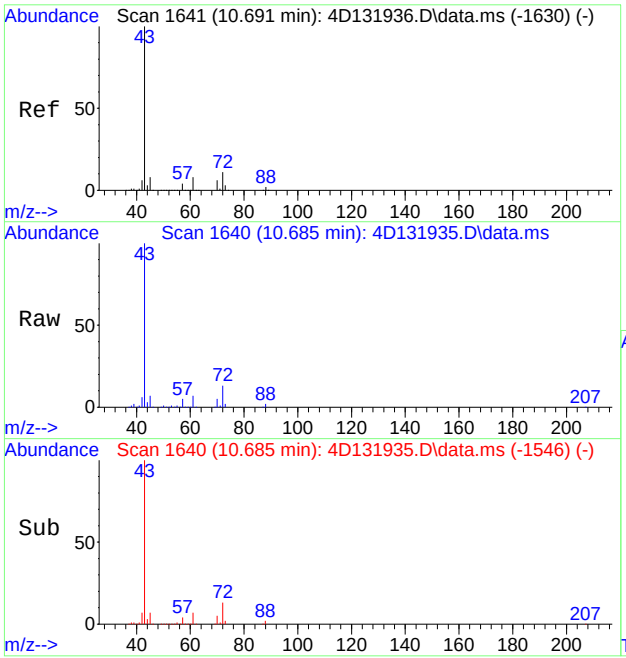


#33
ethyl tert-butyl ether
Concen: 19.25 ug/L
RT: 10.450 min Scan# 1595
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 59 Resp: 282157

Ion	Ratio	Lower	Upper
59	100		
87	37.2	6.6	66.6
57	32.9	2.2	62.2

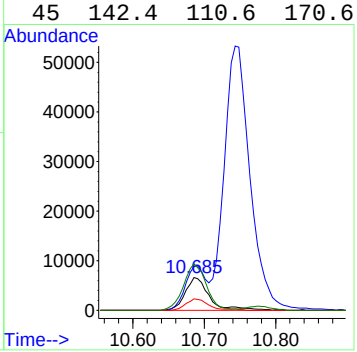


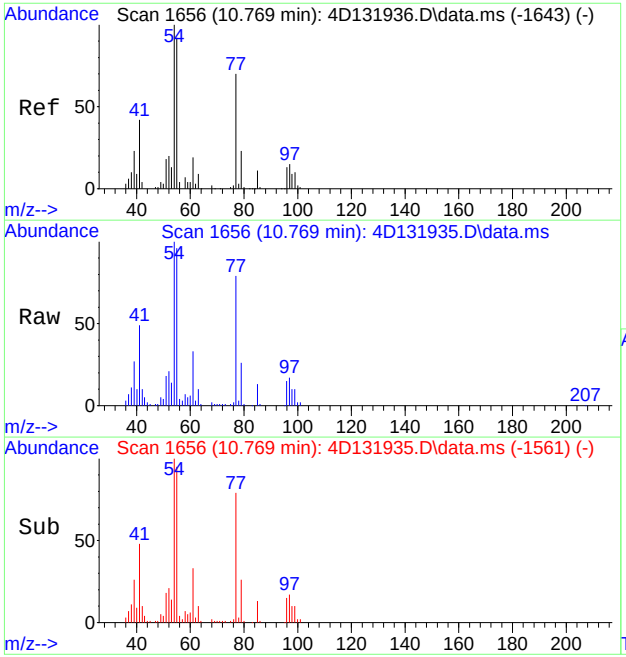


#34
ethyl acetate
Concen: 17.60 ug/L
RT: 10.685 min Scan# 1640
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 70 Resp: 15655

Ion	Ratio	Lower	Upper
70	100		
61	133.6	108.4	168.4
88	35.2	5.9	65.9
45	142.4	110.6	170.6

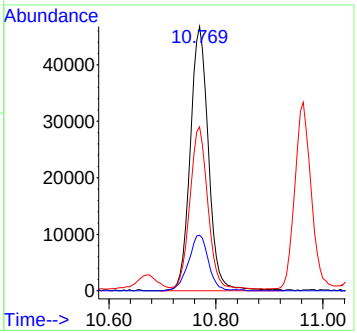


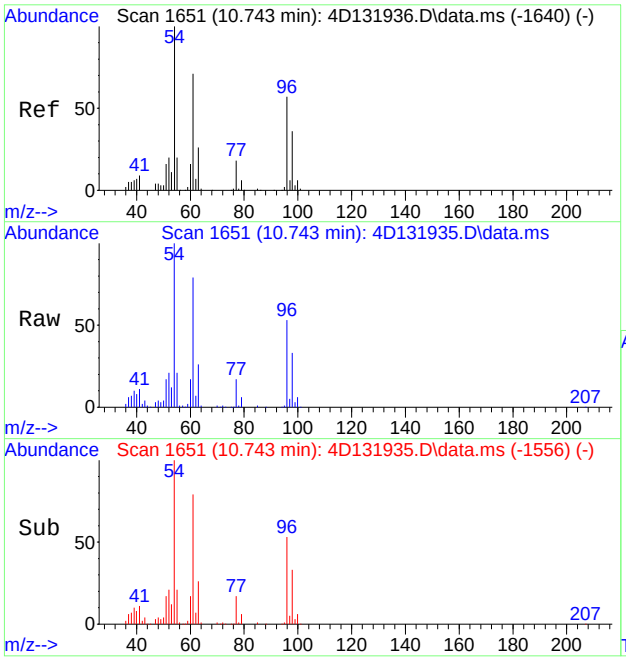


#35
2,2-dichloropropane
Concen: 16.99 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 77 Resp: 110868

Ion	Ratio	Lower	Upper
77	100		
97	21.0	0.0	51.9
41	59.4	29.6	89.6

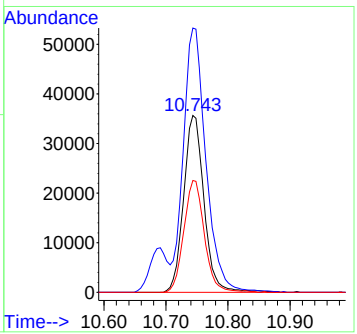


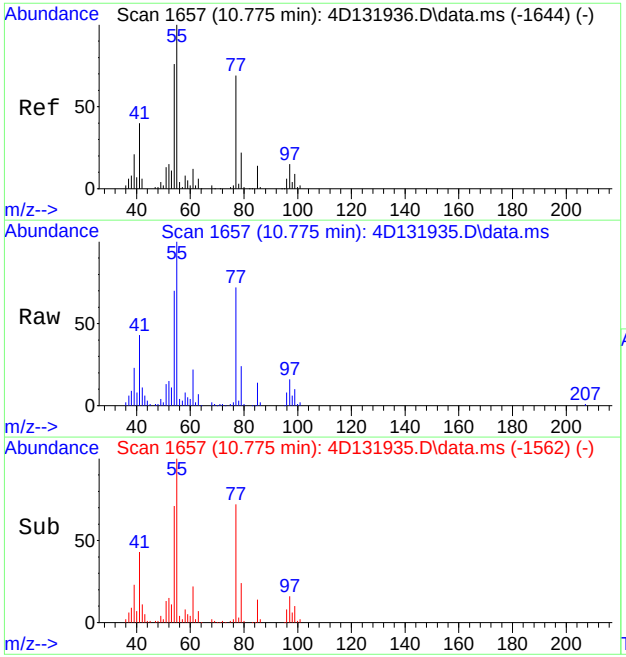


#36
cis-1,2-dichloroethene
Concen: 18.38 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 96 Resp: 81984

Ion	Ratio	Lower	Upper
96	100		
61	149.0	119.6	179.6
98	63.2	34.3	94.3

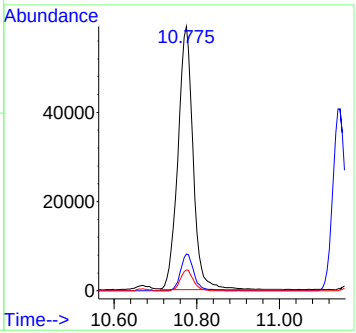


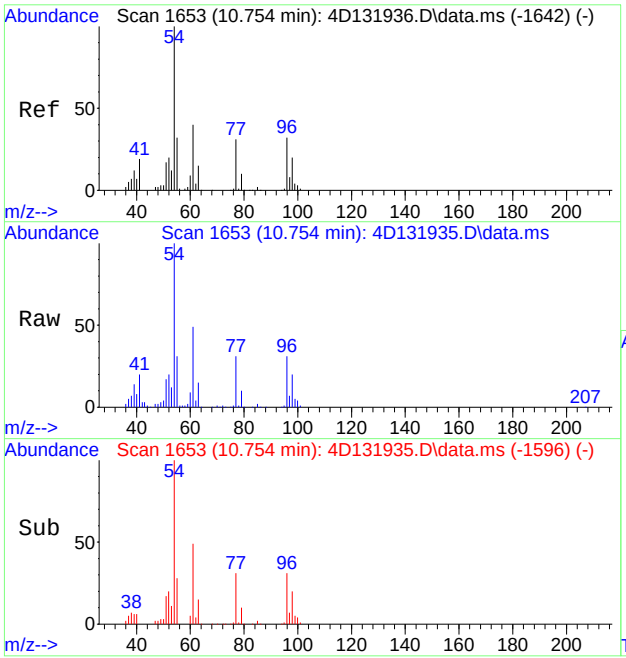


#37
methyl acrylate
Concen: 18.89 ug/L
RT: 10.775 min Scan# 1657
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 55 Resp: 150609

Ion	Ratio	Lower	Upper
55	100		
85	14.0	0.0	43.7
58	7.9	0.0	38.0

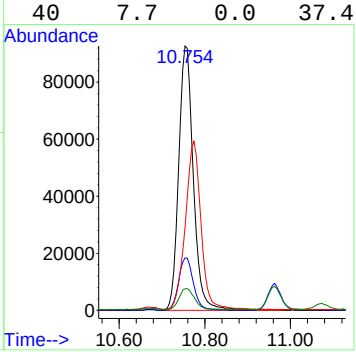


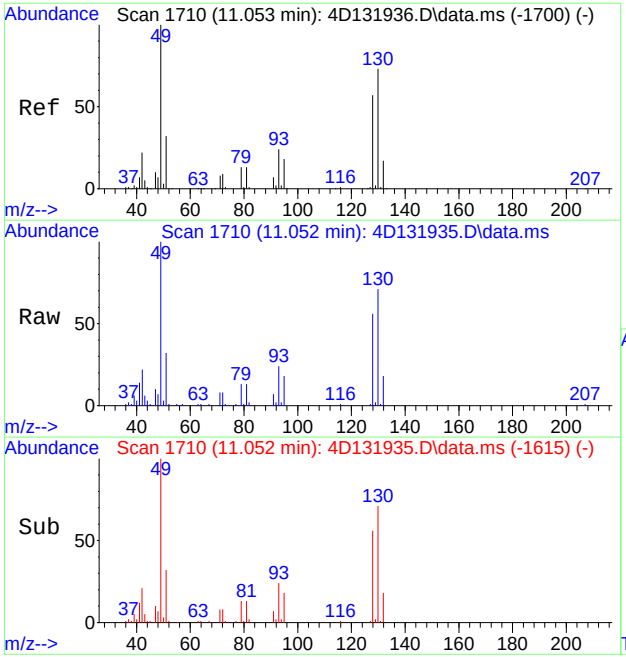


#38
propionitrile
Concen: 190.41 ug/L
RT: 10.754 min Scan# 1653
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 54 Resp: 221029

Ion	Ratio	Lower	Upper
54	100		
52	19.8	0.0	49.8
55	31.0	2.6	62.6
40	7.7	0.0	37.4

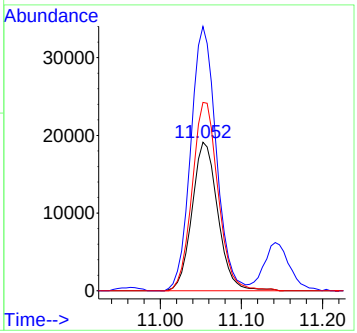


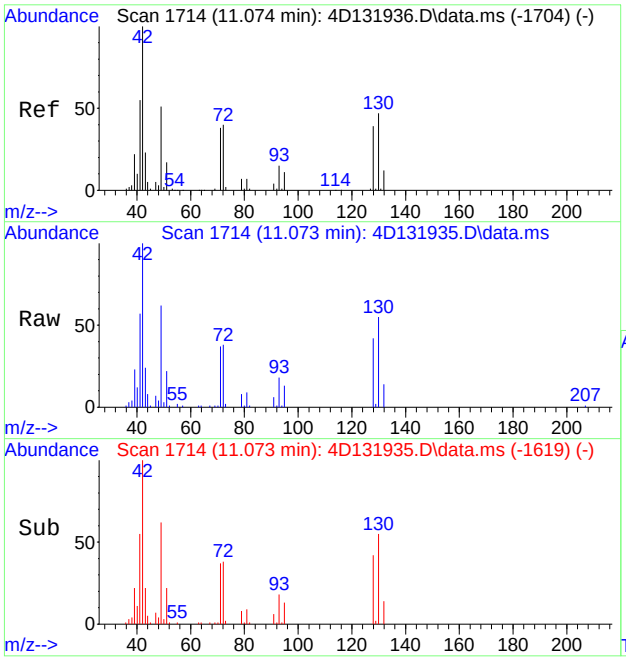


#39
bromochloromethane
Concen: 19.18 ug/L
RT: 11.052 min Scan# 1710
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:128 Resp: 42246

Ion	Ratio	Lower	Upper
128	100		
49	177.8	145.9	205.9
130	126.7	97.8	157.8

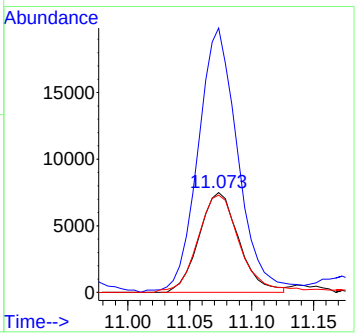


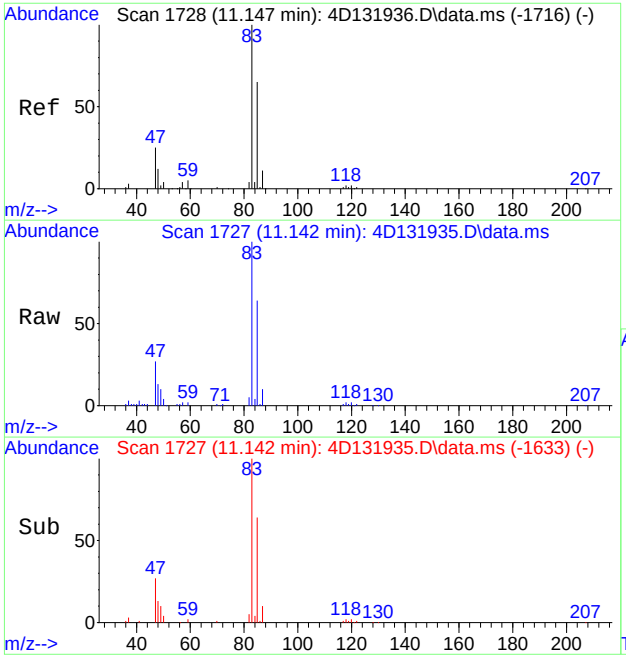


#40
tetrahydrofuran
Concen: 17.88 ug/L
RT: 11.073 min Scan# 1714
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 72 Resp: 16849

Ion	Ratio	Lower	Upper
72	100		
42	262.6	219.9	279.9
71	95.0	66.1	126.1

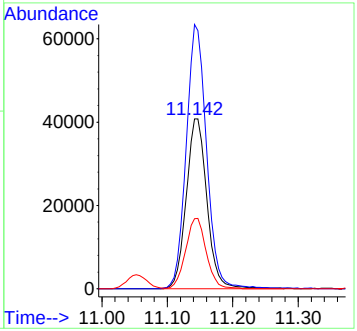


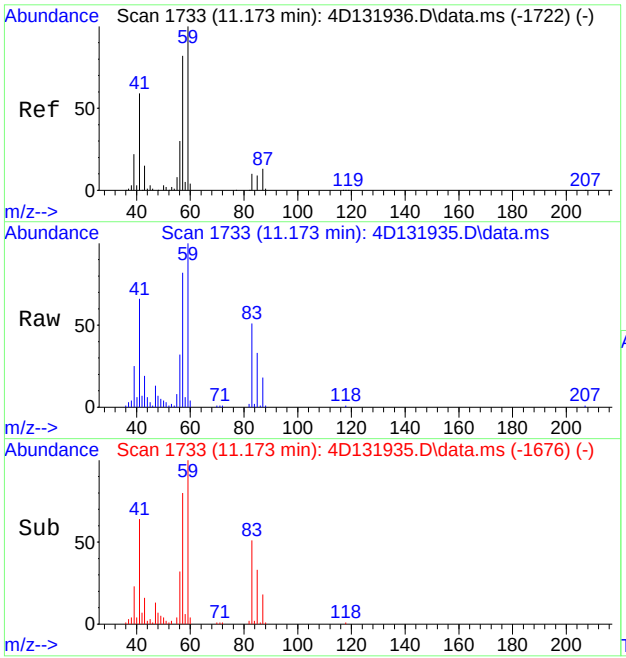


#41
chloroform
Concen: 14.80 ug/L
RT: 11.142 min Scan# 1727
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 85 Resp: 89859

Ion	Ratio	Lower	Upper
85	100		
83	155.6	123.5	183.5
47	41.3	9.8	69.8

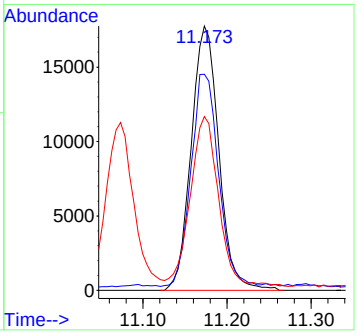


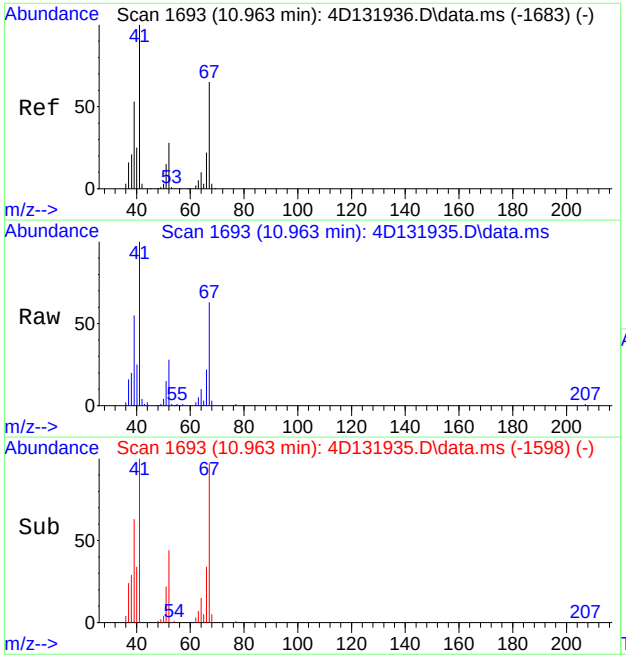


#42
t-butyl formate
Concen: 20.95 ug/L
RT: 11.173 min Scan# 1733
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 59 Resp: 40490

Ion	Ratio	Lower	Upper
59	100		
57	80.3	51.8	111.8
41	64.0	32.4	92.4

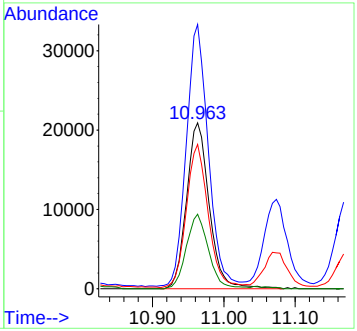


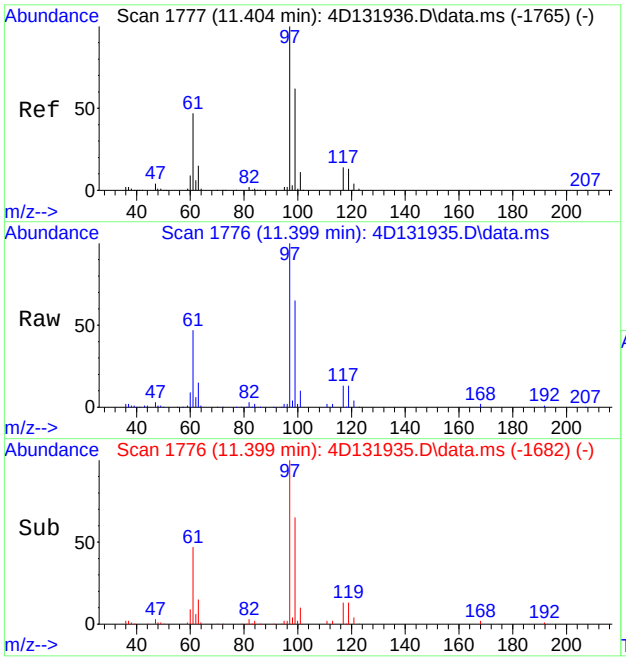


#44
methacrylonitrile
Concen: 18.55 ug/L
RT: 10.963 min Scan# 1693
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 67 Resp: 46390

Ion	Ratio	Lower	Upper
67	100		
41	157.5	123.0	183.0
39	86.2	50.9	110.9
52	45.0	12.9	72.9

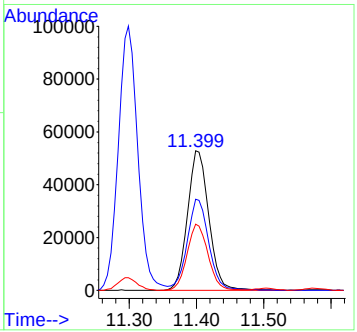


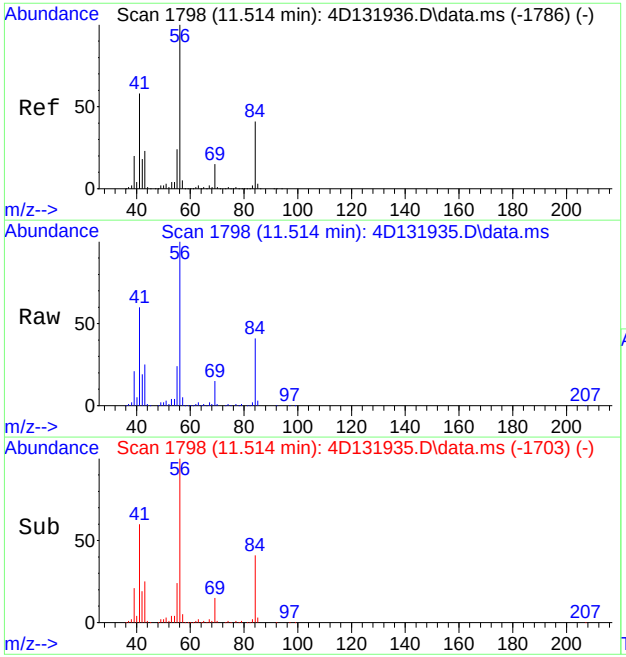


#45
1,1,1-trichloroethane
Concen: 19.45 ug/L
RT: 11.399 min Scan# 1776
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 97 Resp: 116726

Ion	Ratio	Lower	Upper
97	100		
99	65.3	34.4	94.4
61	47.5	16.6	76.6

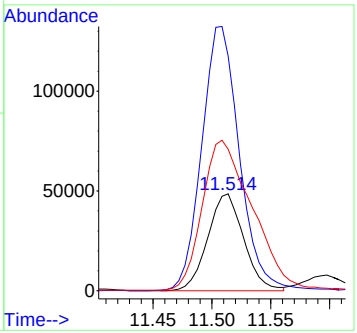


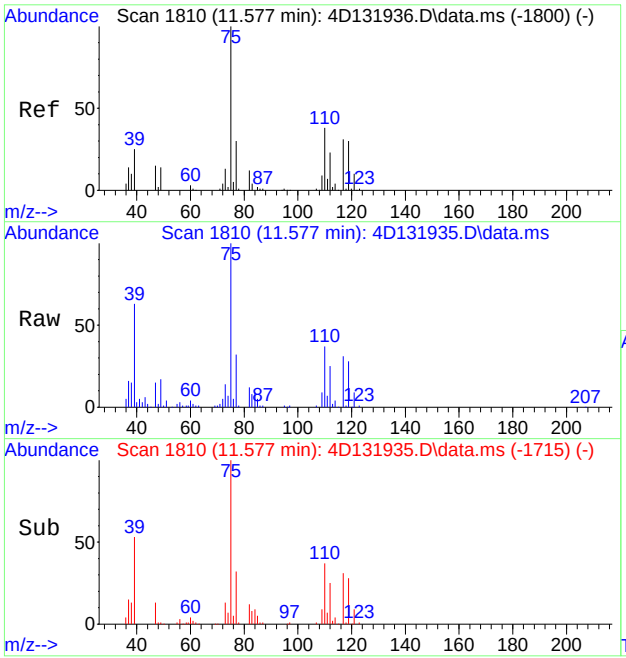


#46
cyclohexane
Concen: 18.83 ug/L
RT: 11.514 min Scan# 1798
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 84 Resp: 103418

Ion	Ratio	Lower	Upper
84	100		
56	241.0	225.3	265.3
41	145.2	121.5	161.5

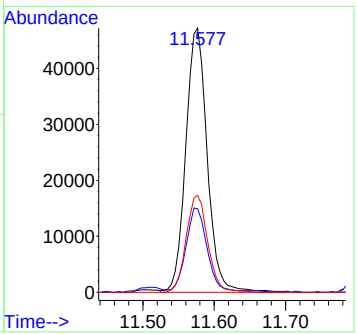


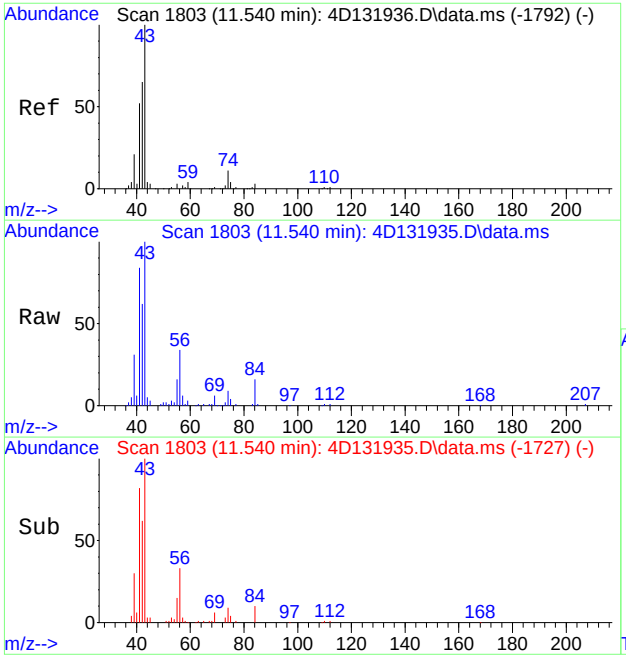


#47
1,1-dichloropropene
Concen: 19.41 ug/L
RT: 11.577 min Scan# 1810
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 75 Resp: 98772

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.0	51.0
110	36.7	17.6	57.6

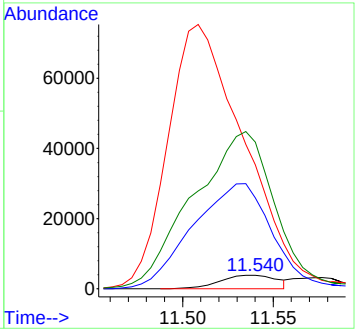


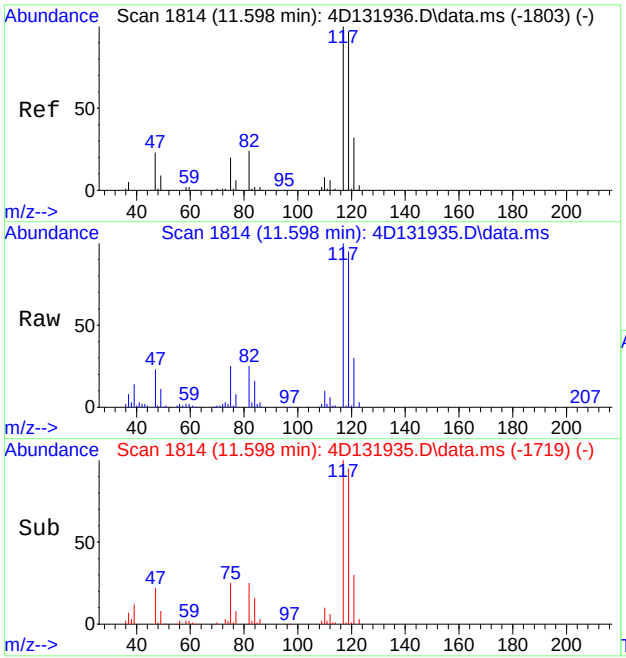


#48
isobutyl alcohol
Concen: 180.23 ug/L
RT: 11.540 min Scan# 1803
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 74 Resp: 8499

Ion	Ratio	Lower	Upper
74	100		
42	523.0	546.1	606.1#
41	579.0	593.5	653.5#
43	797.9	856.3	916.3#

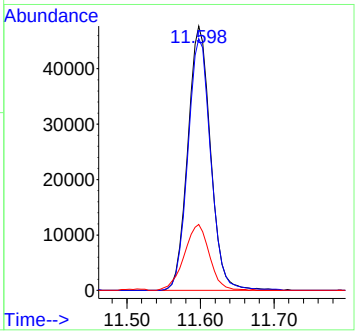


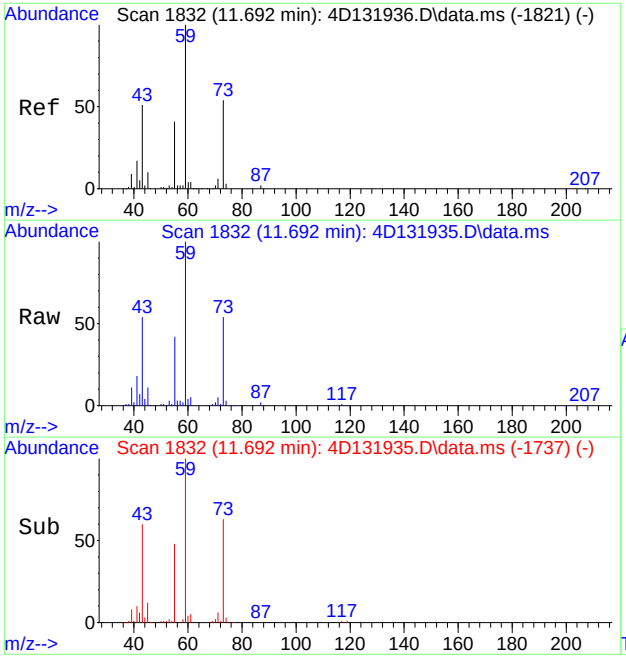


#49
carbon tetrachloride
Concen: 19.69 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:117 Resp: 102198

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.2	117.2
82	24.9	4.2	44.2

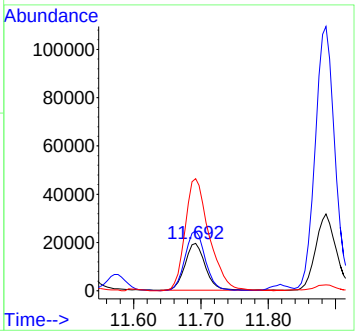


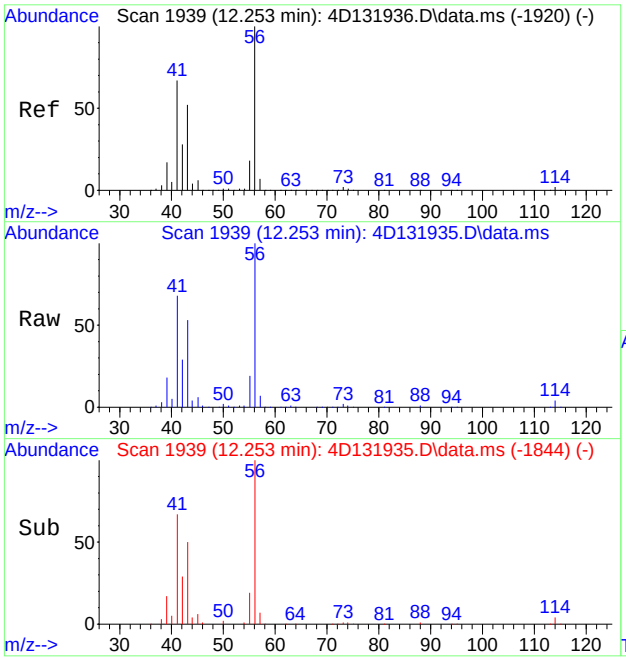


#50
tert amyl alcohol
Concen: 90.99 ug/L
RT: 11.692 min Scan# 1832
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 55 Resp: 41142

Ion	Ratio	Lower	Upper
55	100		
73	128.6	100.3	160.3
59	239.9	213.3	273.3

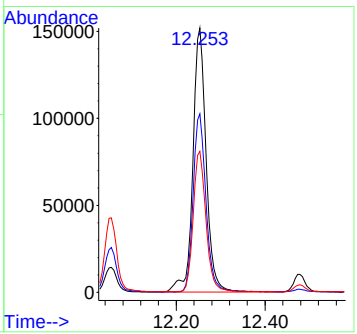


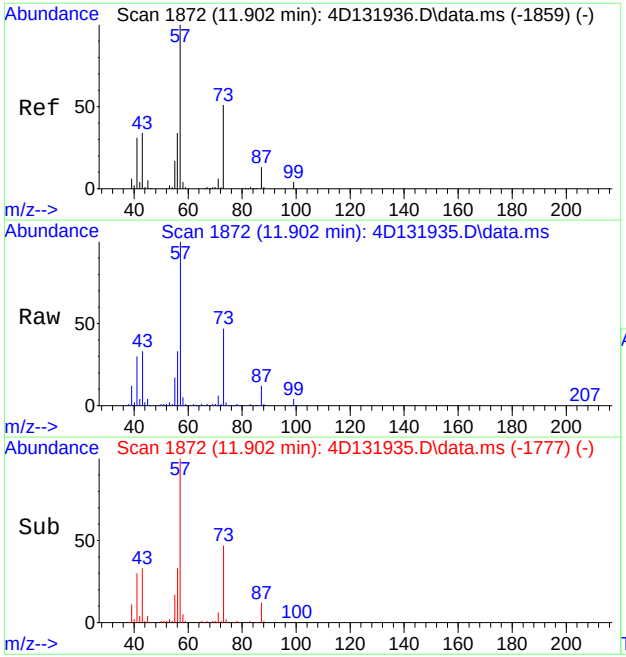


#53
n-butyl alcohol
Concen: 941.42 ug/L
RT: 12.253 min Scan# 1939
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 56 Resp: 314398

Ion	Ratio	Lower	Upper
56	100		
41	67.4	36.6	96.6
43	53.1	22.4	82.4

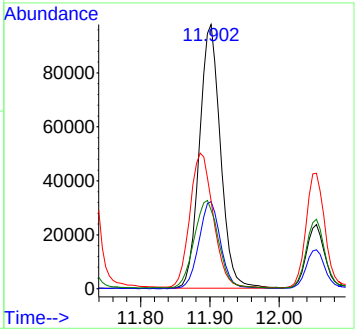


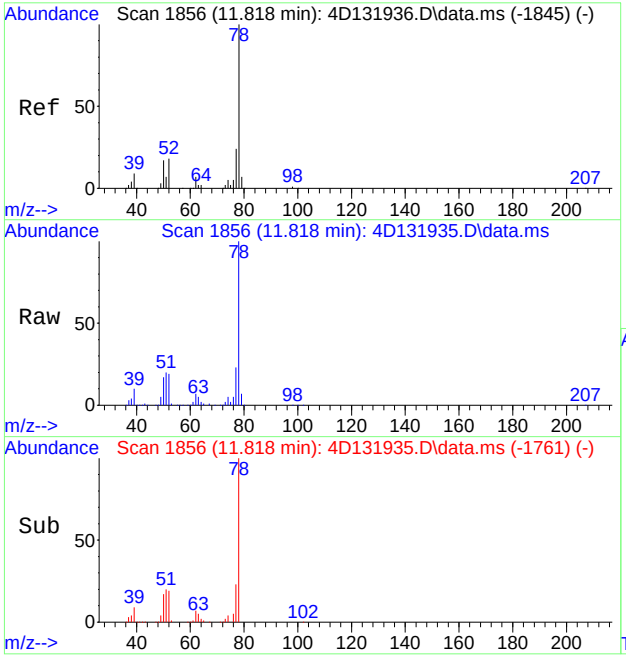


#54
2,2,4-trimethylpentane
Concen: 18.03 ug/L
RT: 11.902 min Scan# 1872
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 57 Resp: 206501

Ion	Ratio	Lower	Upper
57	100		
56	33.0	3.6	63.6
43	32.9	4.6	64.6
41	29.5	0.9	60.9

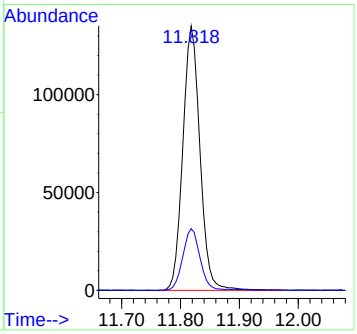


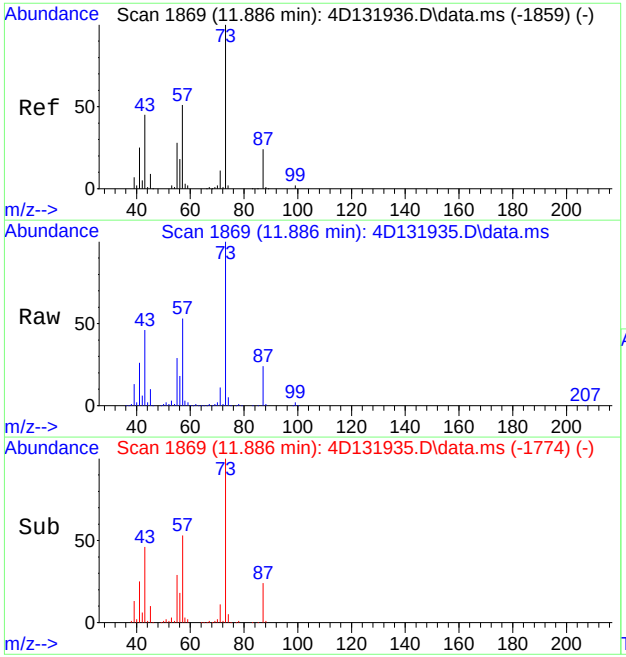


#55
benzene
Concen: 18.64 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 78 Resp: 273988

Ion	Ratio	Lower	Upper
78	100		
77	23.2	0.0	53.7

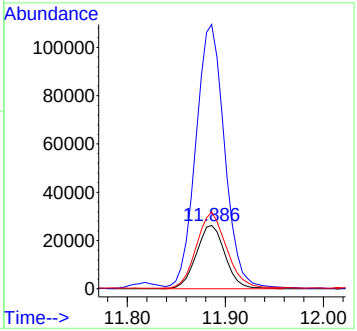


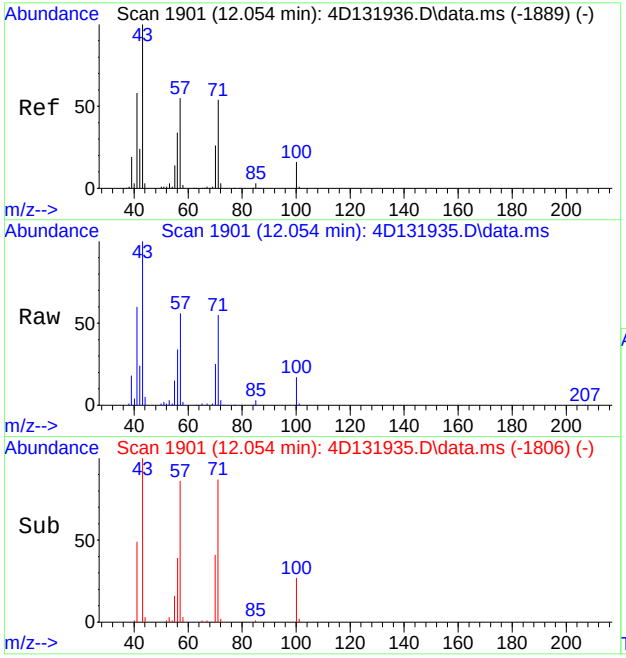


#56
tert-amyl methyl ether
Concen: 19.29 ug/L
RT: 11.886 min Scan# 1869
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 87 Resp: 53786

Ion	Ratio	Lower	Upper
87	100		
73	414.2	382.6	442.6
55	120.2	85.4	145.4

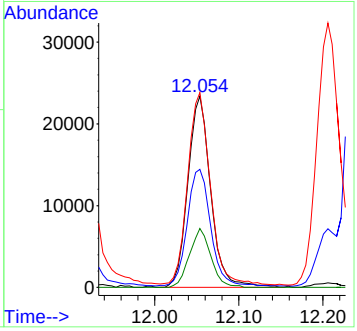


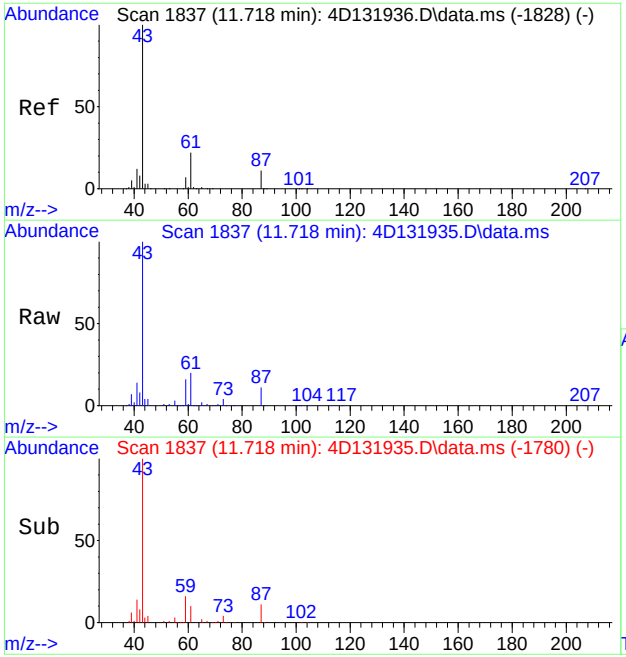


#57
heptane
Concen: 17.78 ug/L
RT: 12.054 min Scan# 1901
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 71 Resp: 44060

Ion	Ratio	Lower	Upper
71	100		
56	60.9	33.0	93.0
57	100.6	72.2	132.2
100	30.8	0.3	60.3

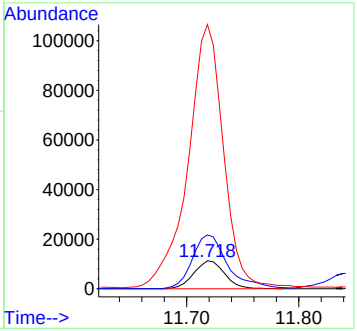


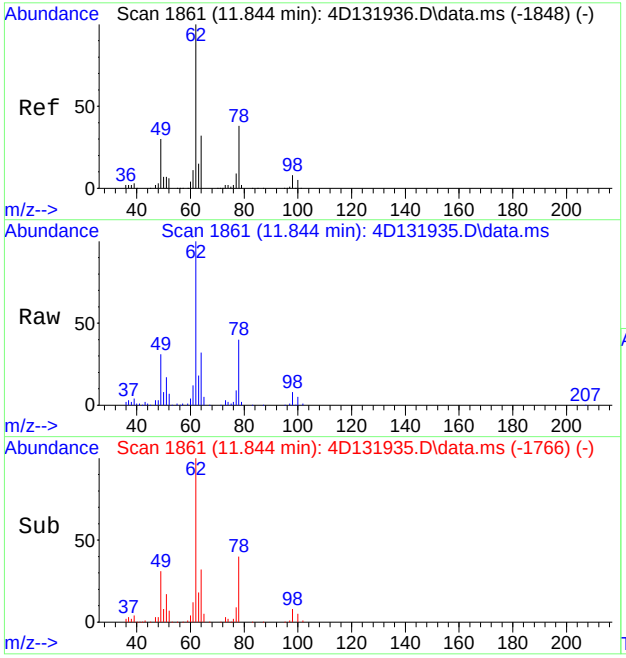


#58
isopropyl acetate
Concen: 19.83 ug/L
RT: 11.718 min Scan# 1837
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 87 Resp: 21712

Ion	Ratio	Lower	Upper
87	100		
61	192.7	170.1	230.1
43	933.3	919.0	979.0

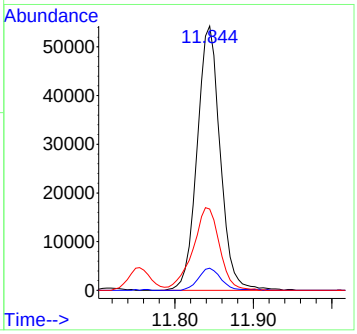


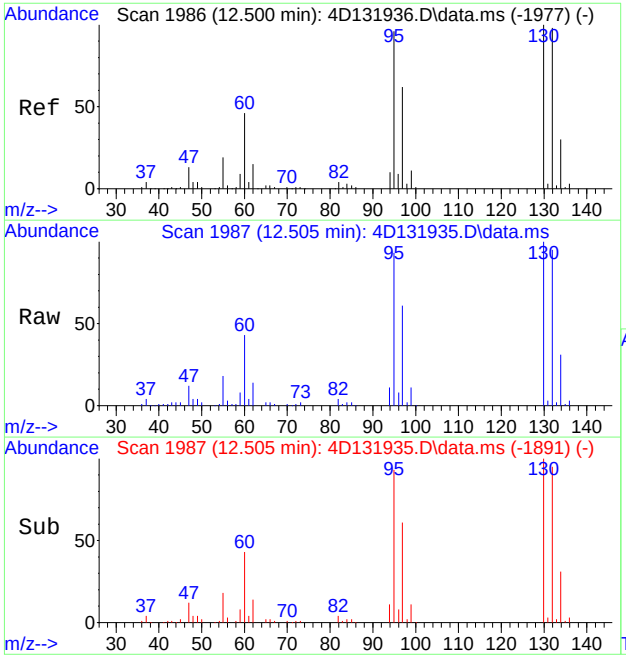


#59
1,2-dichloroethane
Concen: 17.81 ug/L
RT: 11.844 min Scan# 1861
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 62 Resp: 110939

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	38.5
49	30.8	1.1	61.1

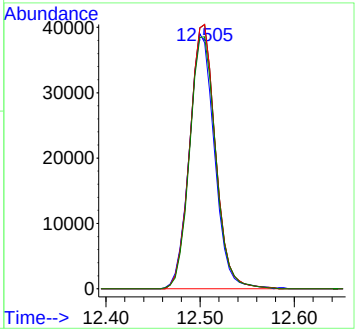


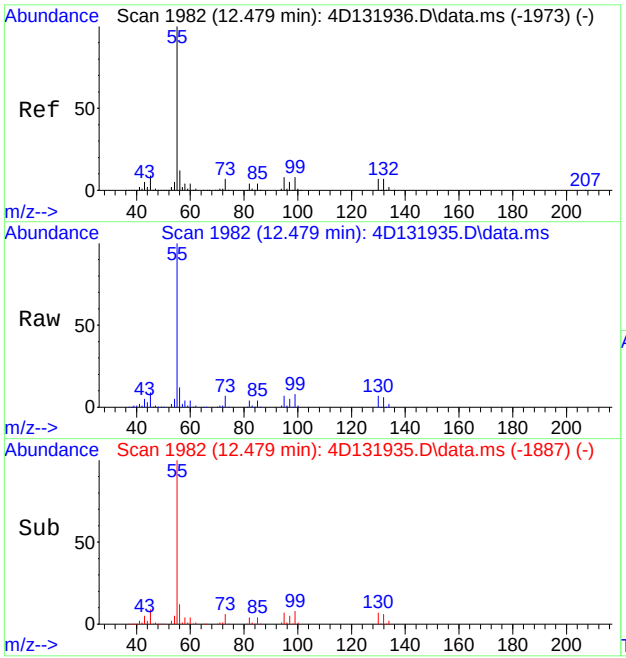


#60
trichloroethene
Concen: 19.24 ug/L
RT: 12.505 min Scan# 1987
Delta R.T. 0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:130 Resp: 76779

Ion	Ratio	Lower	Upper
130	100		
95	93.0	65.8	125.8
130	100.0	70.0	130.0
132	95.3	67.8	127.8

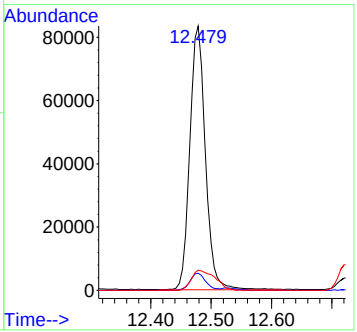


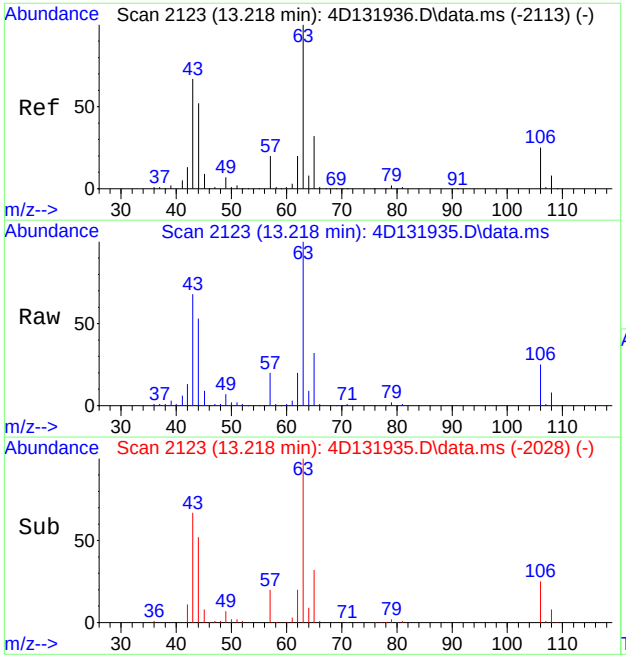


#61
ethyl acrylate
Concen: 19.13 ug/L
RT: 12.479 min Scan# 1982
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 55 Resp: 148607

Ion	Ratio	Lower	Upper
55	100		
73	6.5	0.0	26.5
99	7.6	0.0	27.5

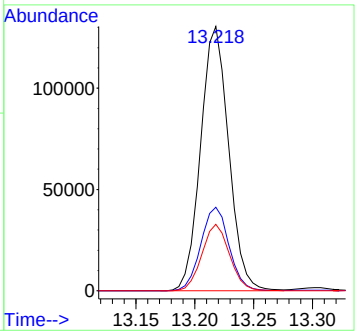


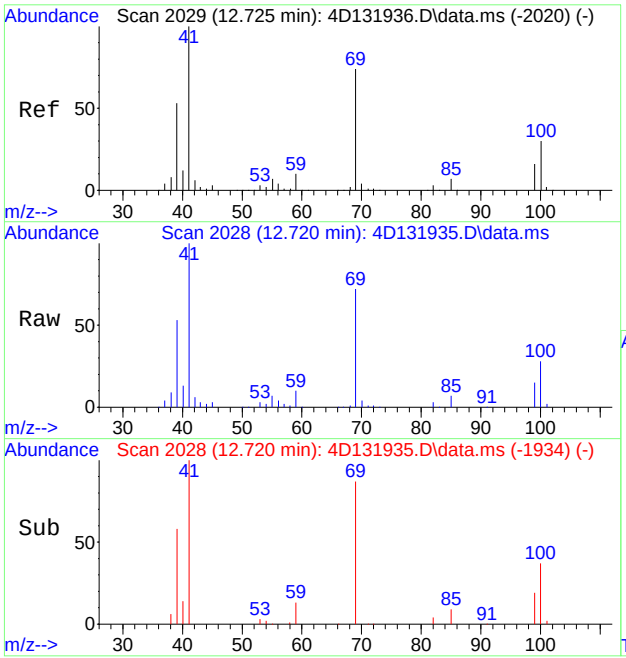


#63
2-chloroethyl vinyl ether
Concen: 96.72 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 63 Resp: 216686

Ion	Ratio	Lower	Upper
63	100		
65	31.6	1.7	61.7
106	25.1	0.0	55.3

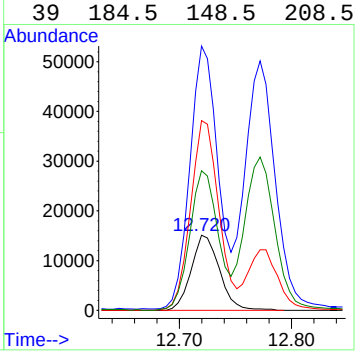


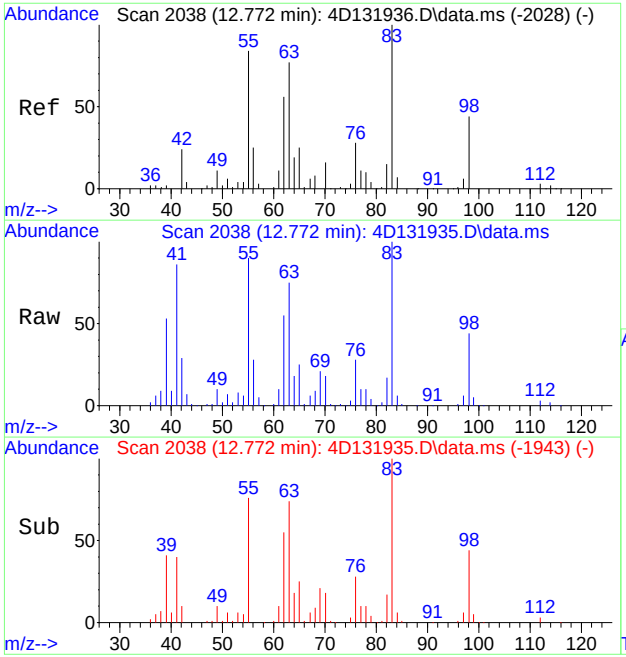


#64
methyl methacrylate
Concen: 19.29 ug/L
RT: 12.720 min Scan# 2028
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:100 Resp: 26492

Ion	Ratio	Lower	Upper
100	100		
41	349.6	304.3	364.3
69	251.4	217.8	277.8
39	184.5	148.5	208.5

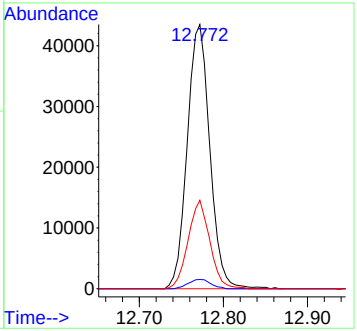


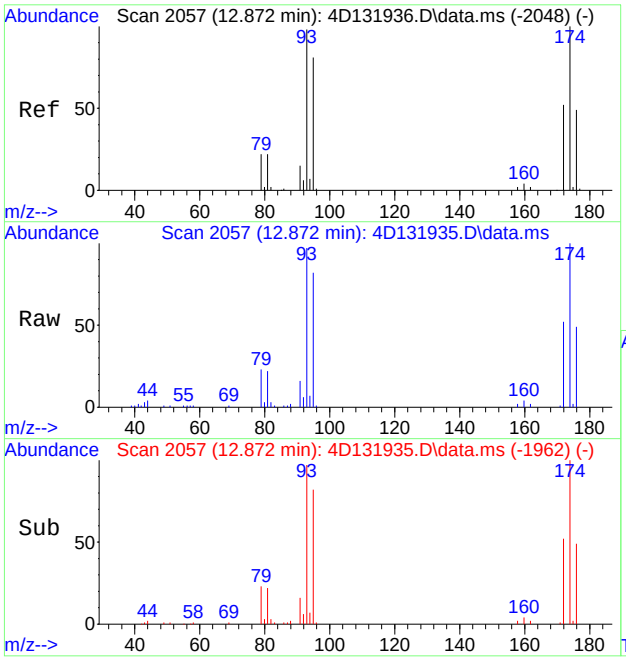


#65
1,2-dichloropropane
Concen: 19.38 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 63 Resp: 81128

Ion	Ratio	Lower	Upper
63	100		
112	3.5	0.0	33.7
65	33.5	1.9	61.9

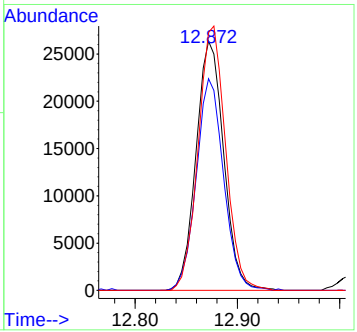


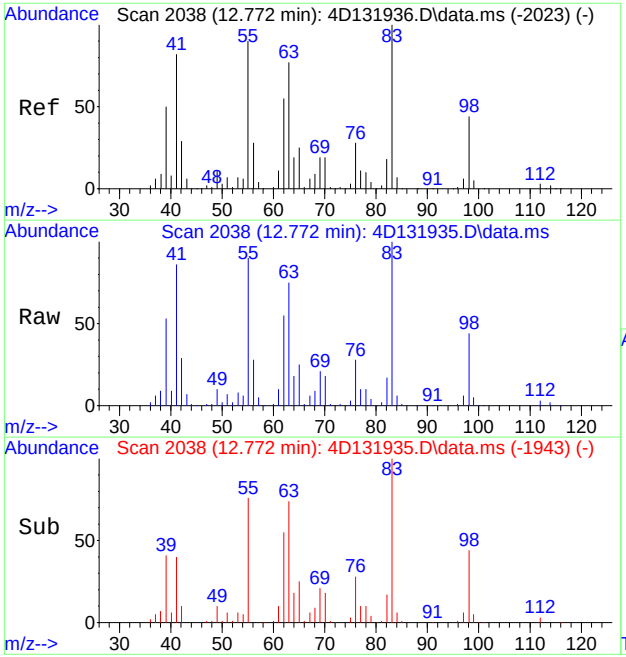


#66
dibromomethane
Concen: 18.73 ug/L
RT: 12.872 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 93 Resp: 49653

Ion	Ratio	Lower	Upper
93	100		
95	85.0	52.6	112.6
174	103.5	72.4	132.4

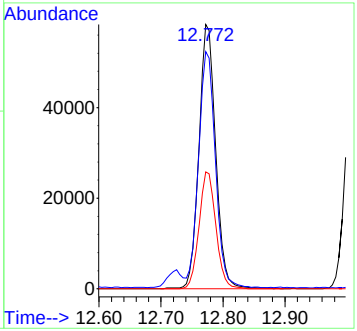


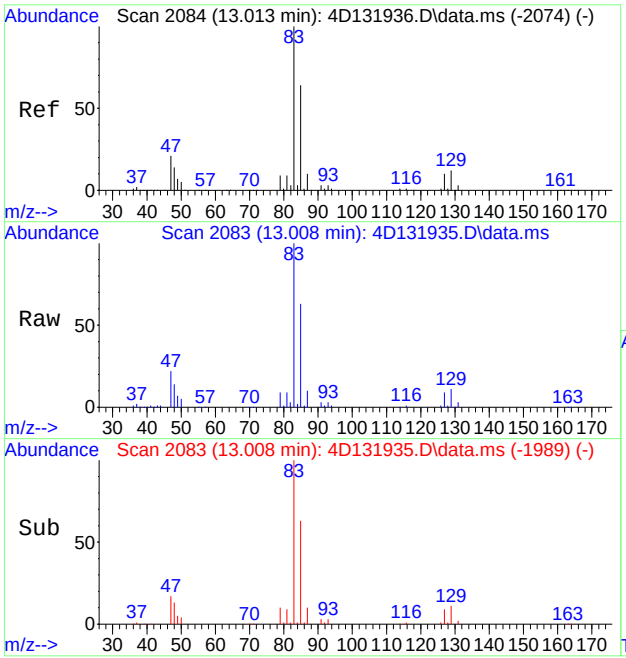


#67
methylcyclohexane
Concen: 19.03 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 83 Resp: 109760

Ion	Ratio	Lower	Upper
83	100		
55	89.3	60.5	120.5
98	44.2	14.1	74.1

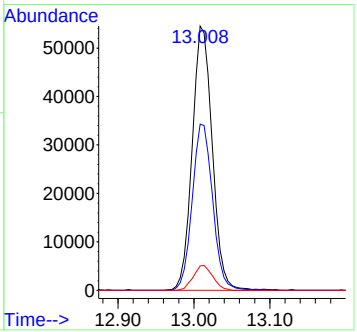


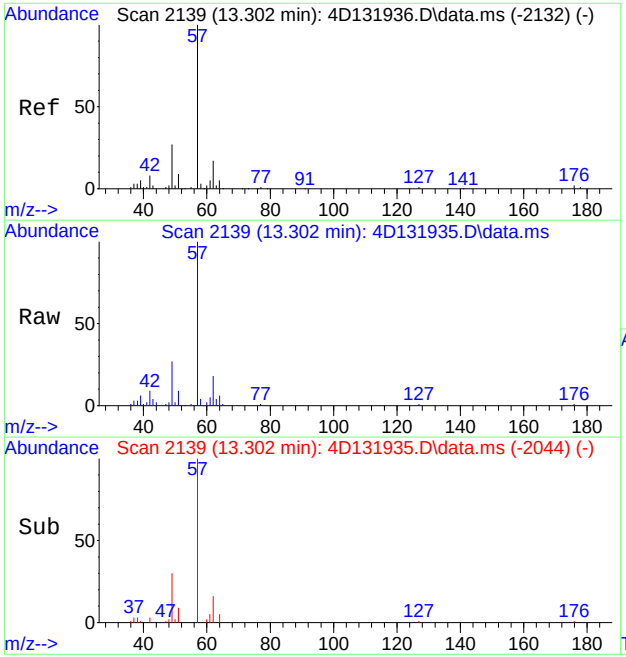


#68
bromodichloromethane
Concen: 18.49 ug/L
RT: 13.008 min Scan# 2083
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 83 Resp: 100150

Ion	Ratio	Lower	Upper
83	100		
85	62.8	34.4	94.4
127	9.3	0.0	39.7

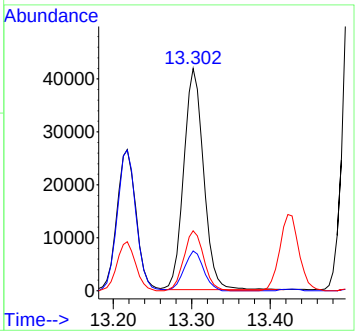


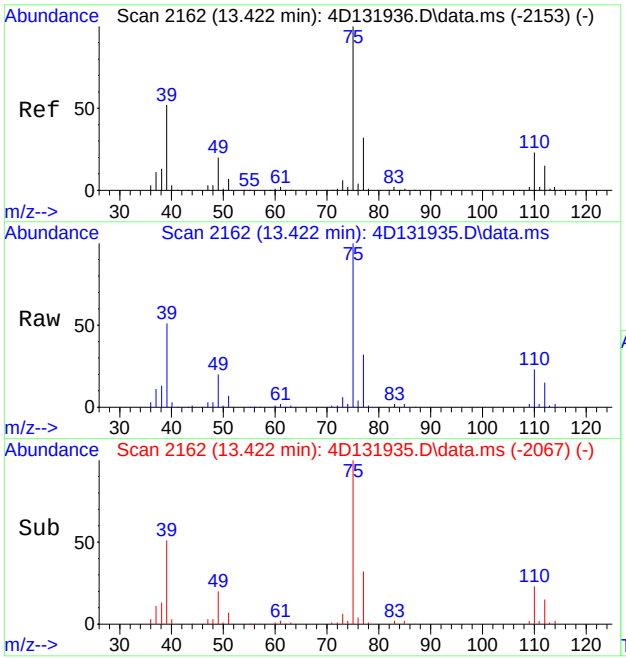


#69
epichlorohydrin
Concen: 90.32 ug/L
RT: 13.302 min Scan# 2139
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 57 Resp: 73488

Ion	Ratio	Lower	Upper
57	100		
62	17.5	0.0	37.4
49	27.2	6.8	46.8

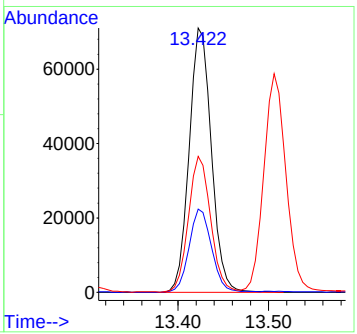


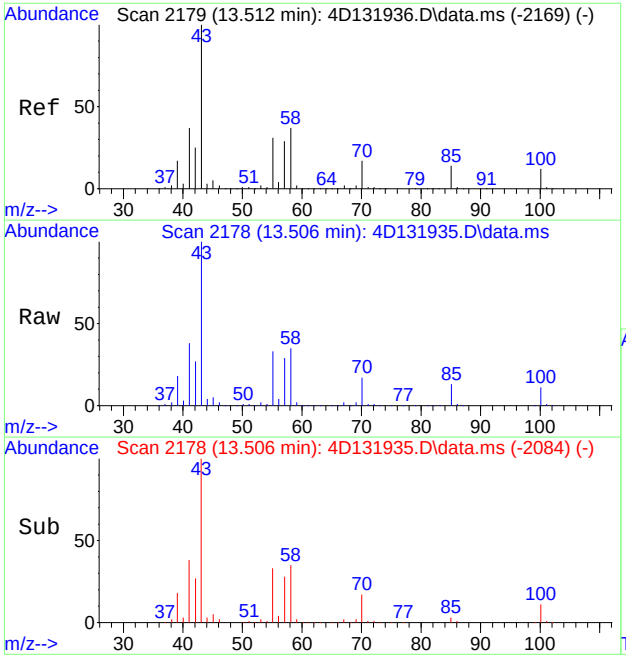


#70
cis-1,3-dichloropropene
Concen: 19.02 ug/L
RT: 13.422 min Scan# 2162
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 75 Resp: 121038

Ion	Ratio	Lower	Upper
75	100		
77	31.5	1.9	61.9
39	51.5	22.1	82.1

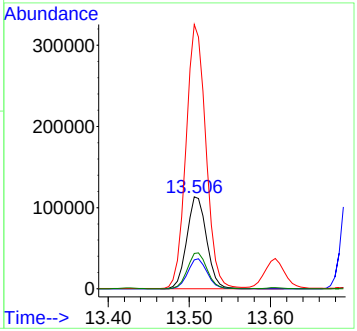


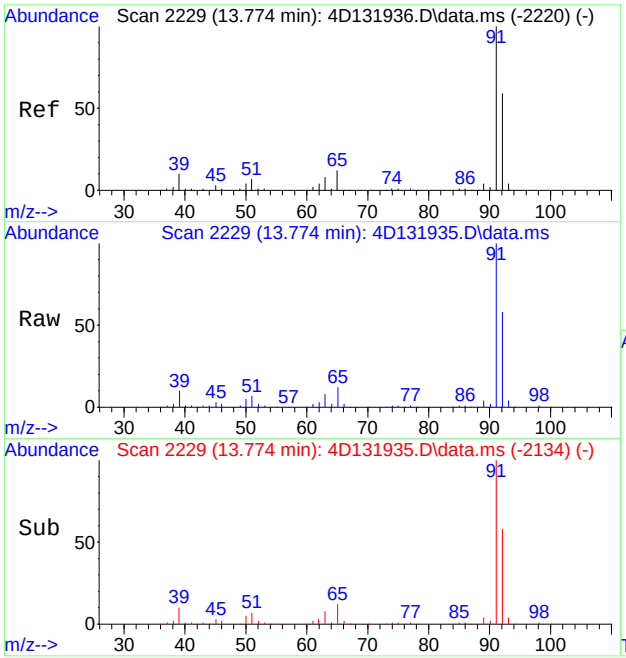


#71
4-methyl-2-pentanone
Concen: 74.81 ug/L
RT: 13.506 min Scan# 2178
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 58 Resp: 192943

Ion	Ratio	Lower	Upper
58	100		
100	31.4	2.6	62.6
43	287.1	244.0	304.0
85	38.4	8.9	68.9

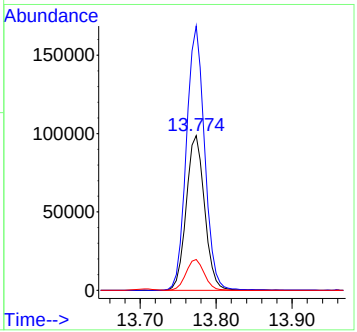


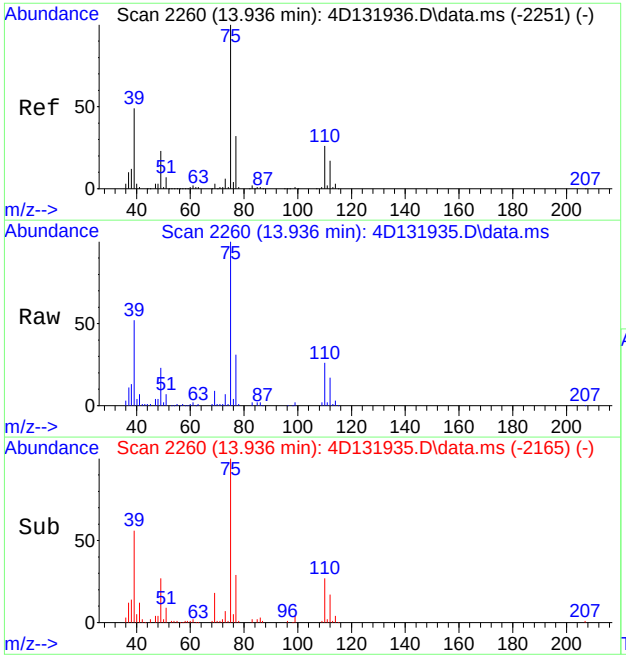


#75
toluene
Concen: 18.80 ug/L
RT: 13.774 min Scan# 2229
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 92 Resp: 165449

Ion	Ratio	Lower	Upper
92	100		
91	171.0	150.1	190.1
65	19.9	0.0	39.8

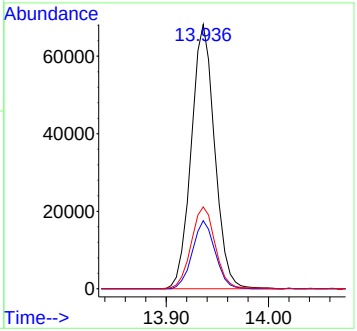


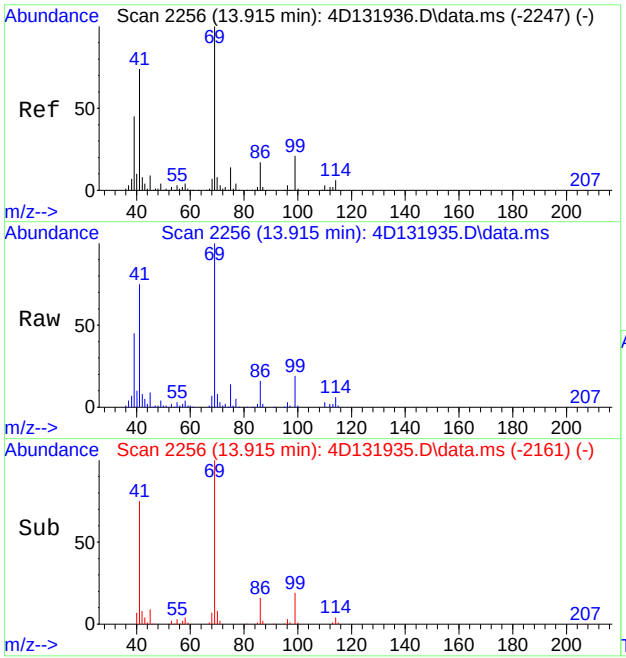


#76
trans-1,3-dichloropropene
Concen: 18.65 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 75 Resp: 108467

Ion	Ratio	Lower	Upper
75	100		
110	25.8	5.6	45.6
77	31.0	12.5	52.5

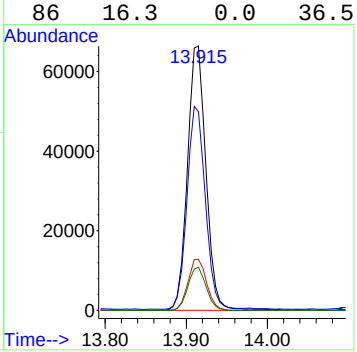


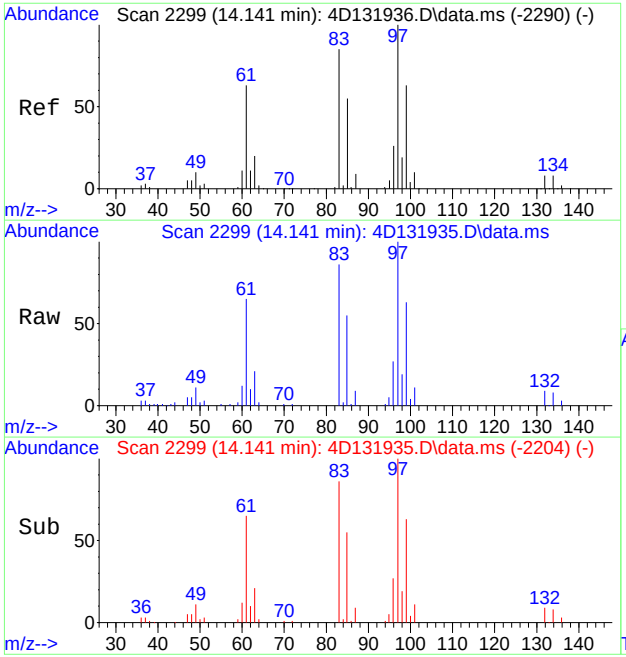


#77
ethyl methacrylate
Concen: 18.19 ug/L
RT: 13.915 min Scan# 2256
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 69 Resp: 105417

Ion	Ratio	Lower	Upper
69	100		
41	74.7	53.7	93.7
99	19.3	0.5	40.5
86	16.3	0.0	36.5

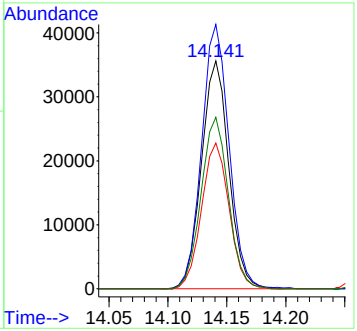


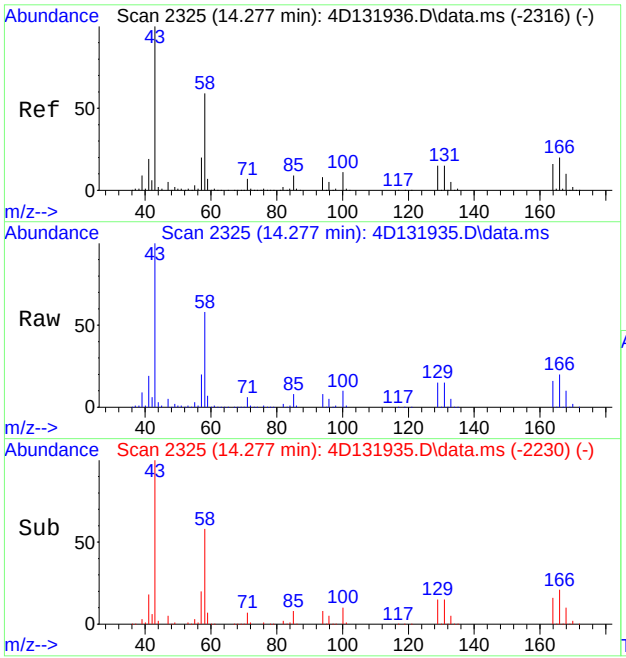


#78
1,1,2-trichloroethane
Concen: 18.30 ug/L
RT: 14.141 min Scan# 2299
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 83 Resp: 57660

Ion	Ratio	Lower	Upper
83	100		
97	116.1	98.0	138.0
85	64.0	44.8	84.8
61	75.3	54.1	94.1

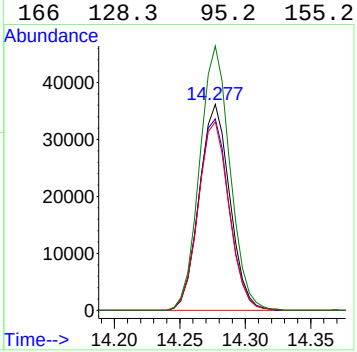


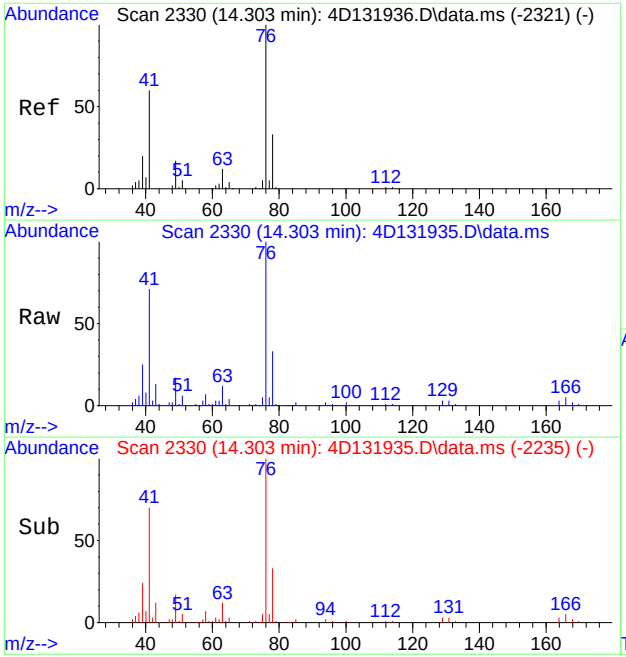


#79
tetrachloroethene
Concen: 19.20 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:164 Resp: 58890

Ion	Ratio	Lower	Upper
164	100		
129	92.9	63.3	123.3
131	91.5	59.8	119.8
166	128.3	95.2	155.2

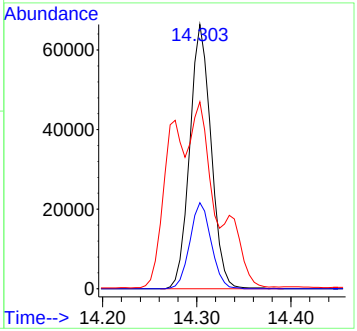


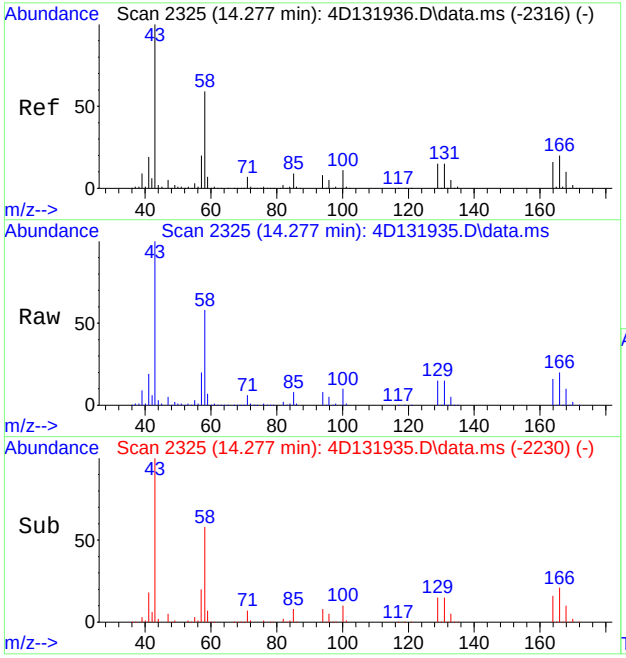


#80
1,3-dichloropropane
Concen: 18.67 ug/L
RT: 14.303 min Scan# 2330
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 76 Resp: 104642

Ion	Ratio	Lower	Upper
76	100		
78	32.5	2.5	62.5
41	70.0	40.0	100.0

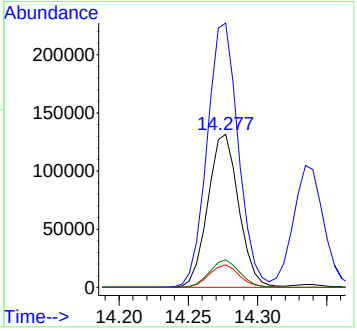


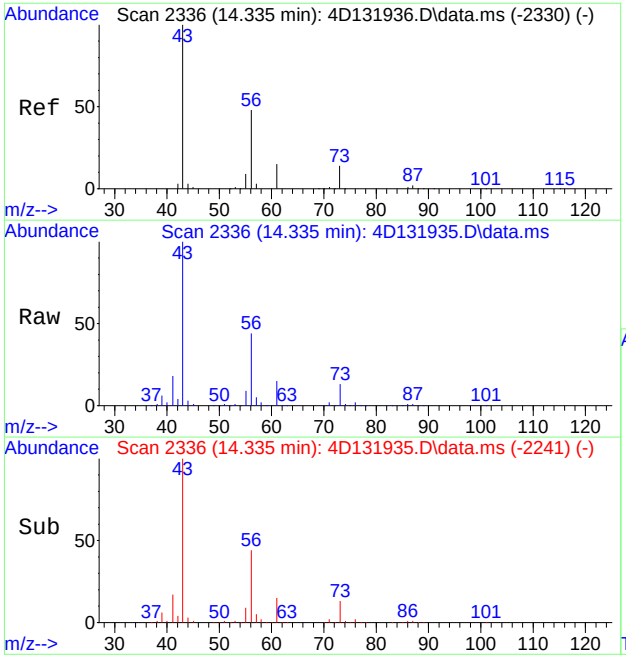


#81
2-hexanone
Concen: 72.15 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 58 Resp: 203407

Ion	Ratio	Lower	Upper
58	100		
43	172.6	149.1	189.1
85	14.7	0.0	34.7
100	18.0	0.0	38.3

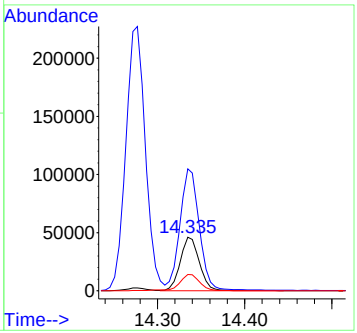


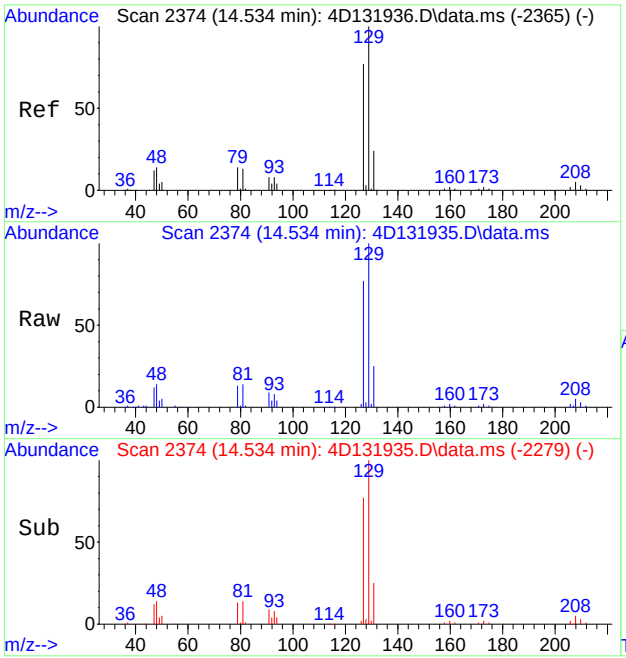


#82
butyl acetate
Concen: 17.27 ug/L
RT: 14.335 min Scan# 2336
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 56 Resp: 70398

Ion	Ratio	Lower	Upper
56	100		
43	226.8	196.2	256.2
73	30.3	0.0	59.9

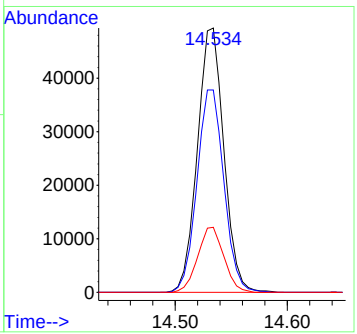


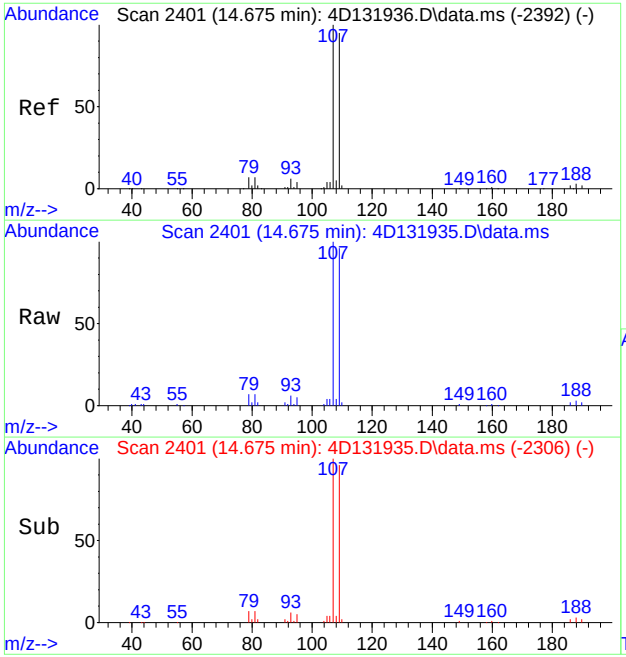


#83
dibromochloromethane
Concen: 18.82 ug/L
RT: 14.534 min Scan# 2374
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:129 Resp: 81437

Ion	Ratio	Lower	Upper
129	100		
127	76.6	47.2	107.2
131	24.6	0.0	54.4

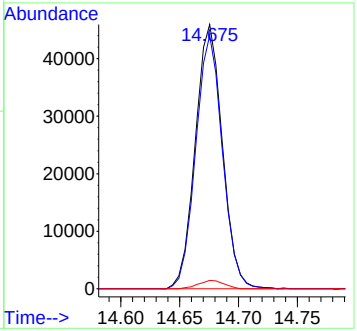


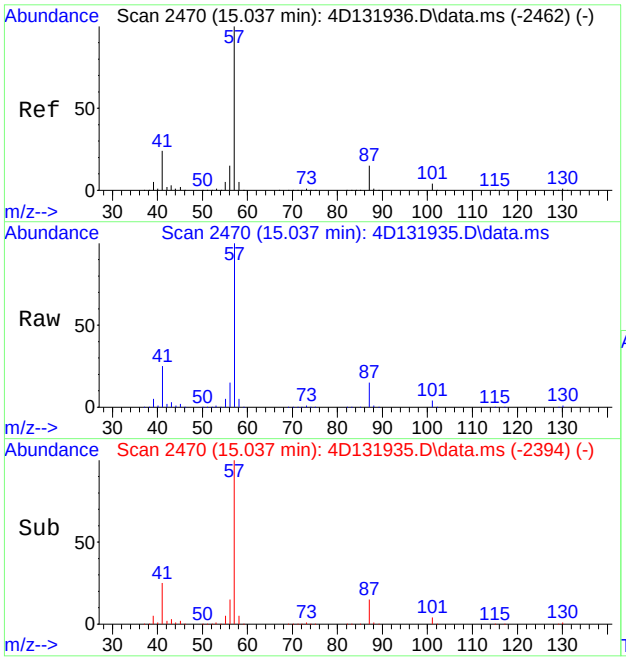


#84
1,2-dibromoethane
Concen: 18.49 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:107 Resp: 73490

Ion	Ratio	Lower	Upper
107	100		
109	95.8	65.1	125.1
188	3.2	0.0	33.2

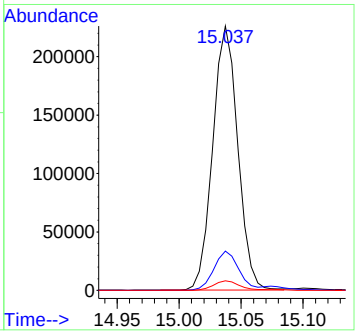


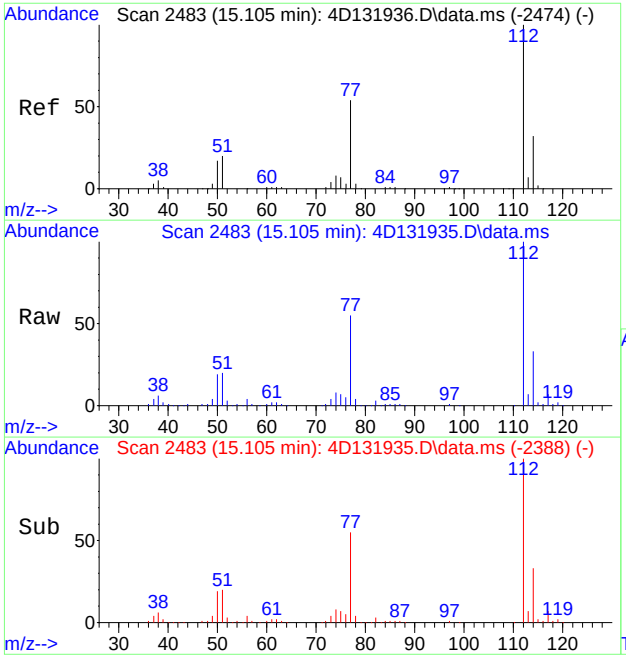


#85
n-butyl ether
Concen: 19.10 ug/L
RT: 15.037 min Scan# 2470
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 57 Resp: 317393

Ion	Ratio	Lower	Upper
57	100		
87	14.8	0.0	44.7
101	3.6	0.0	33.8

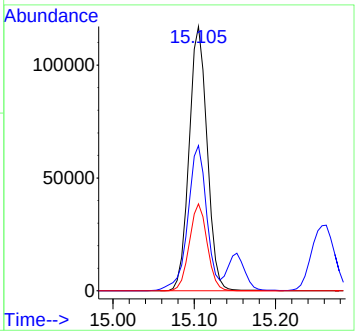


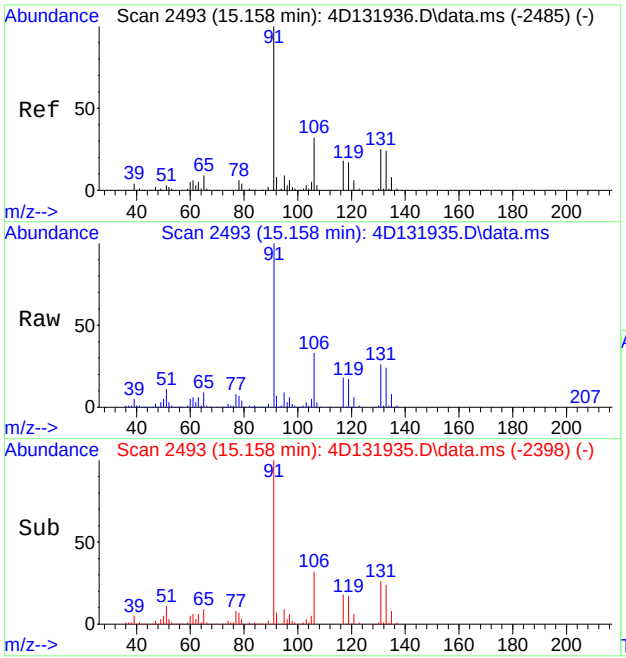


#86
chlorobenzene
Concen: 18.70 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:112 Resp: 180825

Ion	Ratio	Lower	Upper
112	100		
77	54.8	23.8	83.8
114	32.9	2.2	62.2

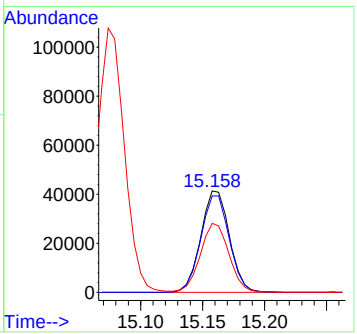


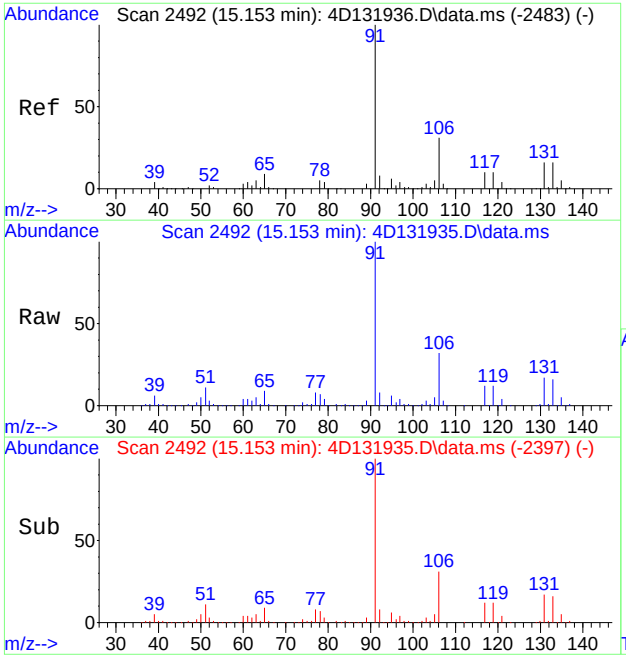


#87
1,1,1,2-tetrachloroethane
Concen: 19.05 ug/L
RT: 15.158 min Scan# 2493
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:131 Resp: 66592

Ion	Ratio	Lower	Upper
131	100		
133	95.2	66.4	126.4
119	68.2	37.8	97.8

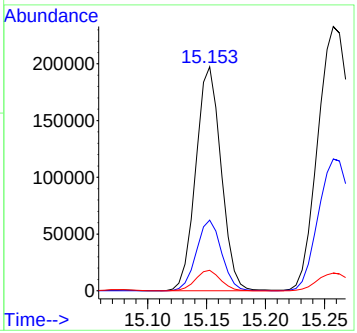


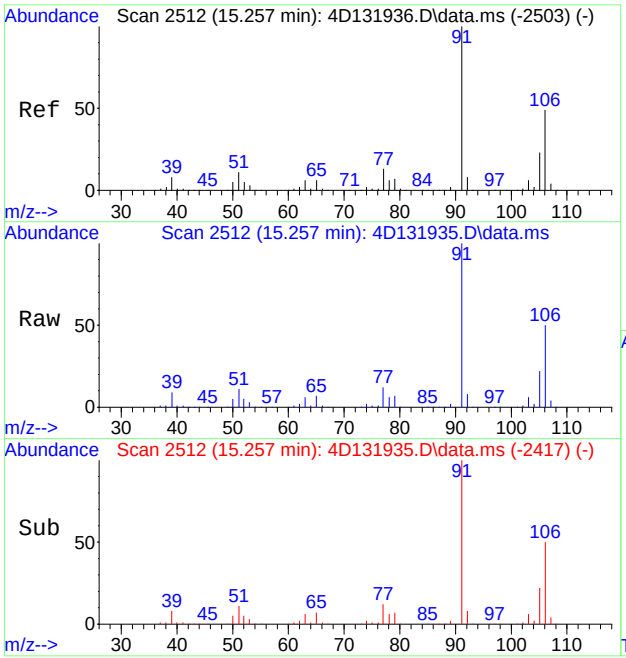


#88
ethylbenzene
Concen: 18.57 ug/L
RT: 15.153 min Scan# 2492
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 91 Resp: 296065

Ion	Ratio	Lower	Upper
91	100		
106	31.5	1.3	61.3
65	9.1	0.0	39.1

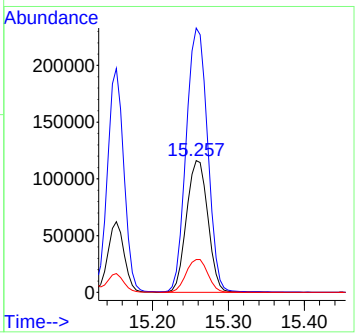


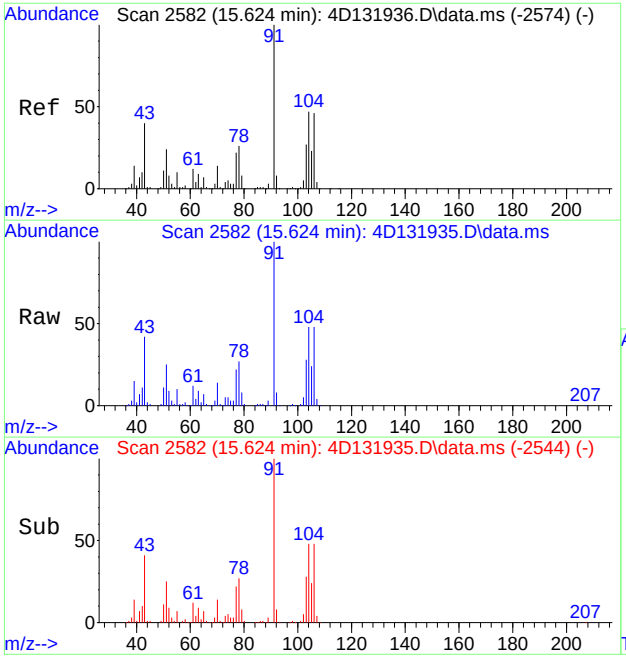


#89
m,p-xylene
Concen: 37.13 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:106 Resp: 227853

Ion	Ratio	Lower	Upper
106	100		
91	200.4	173.6	233.6
77	24.7	5.6	45.6

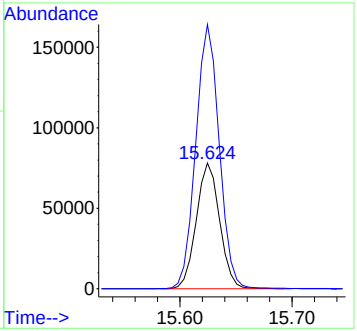


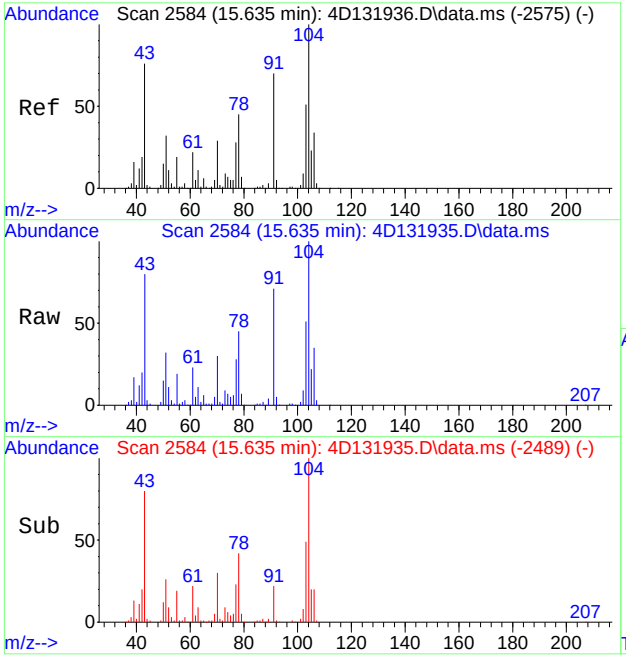


#90
o-xylene
Concen: 18.84 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:106 Resp: 112879

Ion	Ratio	Lower	Upper
106	100		
91	210.1	188.2	248.2

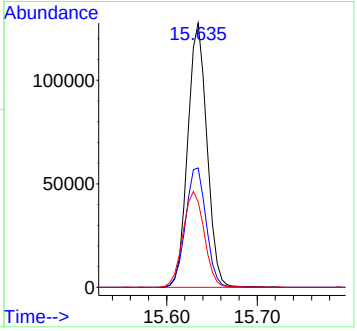


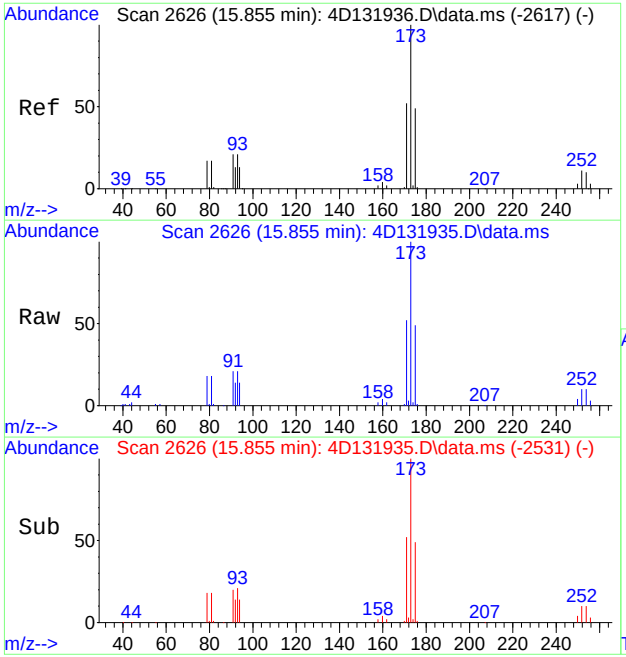


#91
styrene
Concen: 18.67 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:104 Resp: 188594

Ion	Ratio	Lower	Upper
104	100		
78	45.2	14.9	74.9
51	32.4	2.1	62.1

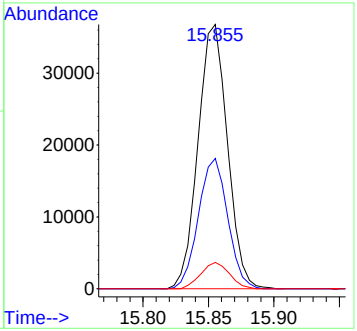


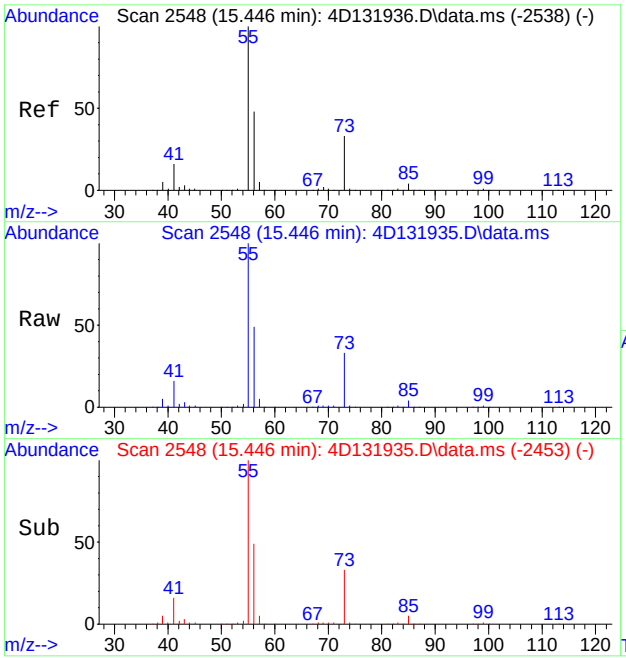


#92
bromoform
Concen: 18.84 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:173 Resp: 57610

Ion	Ratio	Lower	Upper
173	100		
175	49.3	18.7	78.7
254	10.0	0.0	40.1

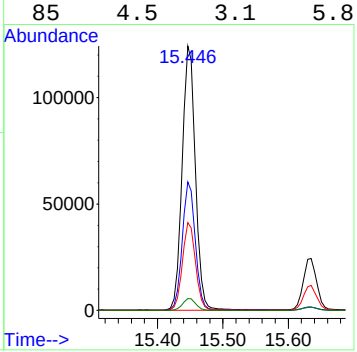


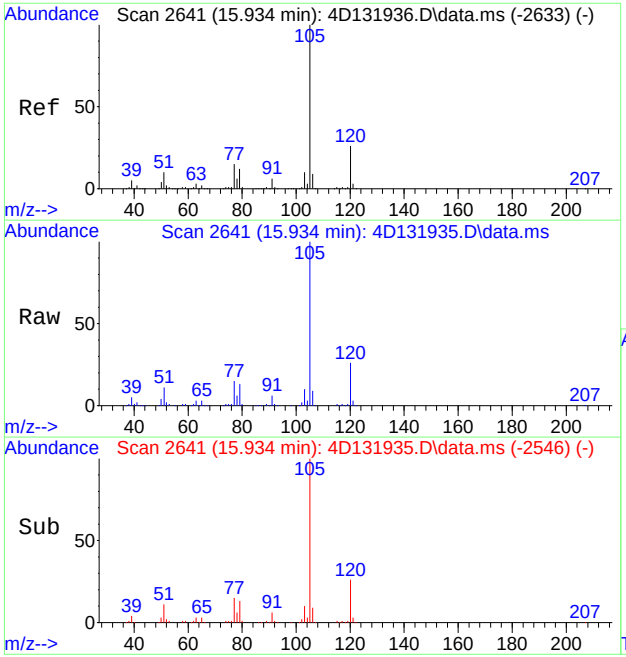


#93
butyl acrylate
Concen: 18.55 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 55 Resp: 175261

Ion	Ratio	Lower	Upper
55	100		
56	48.7	33.5	62.1
73	33.3	23.2	43.2
85	4.5	3.1	5.8

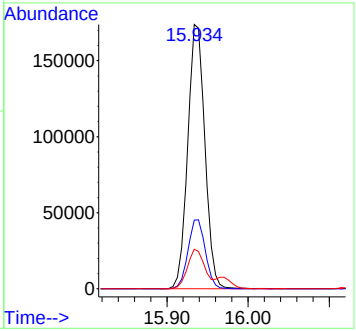


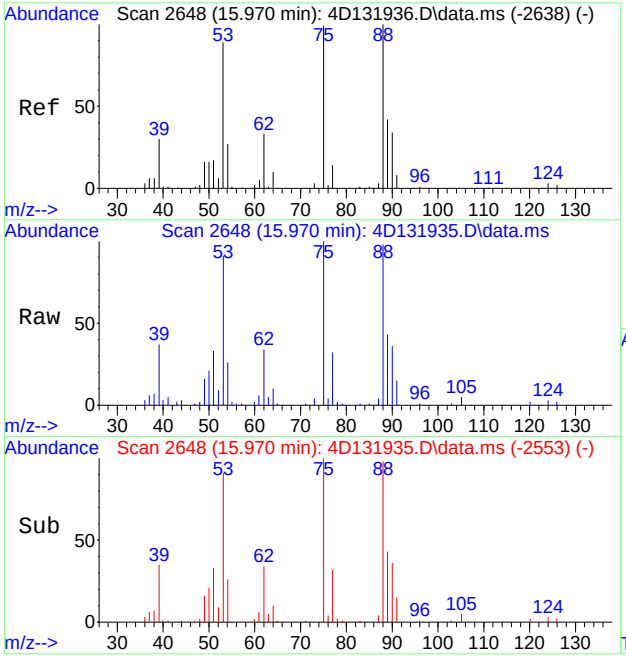


#94
isopropylbenzene
Concen: 18.53 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:105 Resp: 255688

Ion	Ratio	Lower	Upper
105	100		
120	26.0	5.9	45.9
77	15.0	0.0	34.7

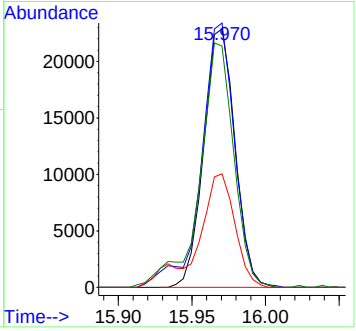


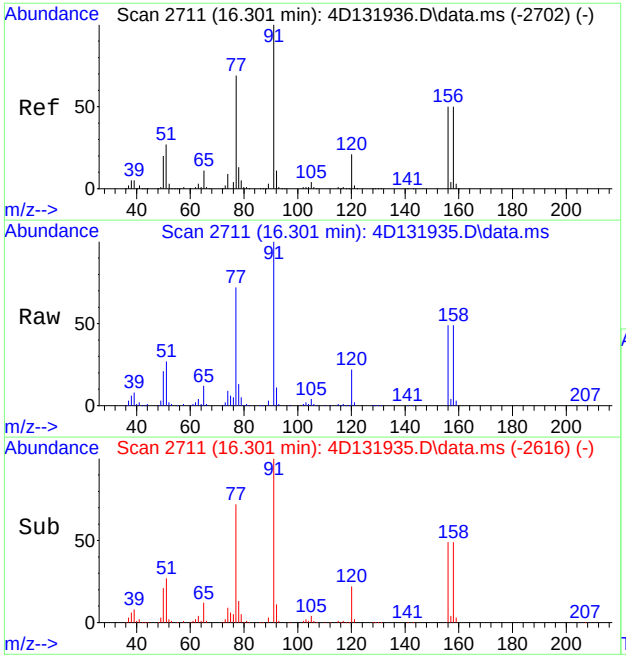


#95
cis-1,4-dichloro-2-butene
Concen: 18.96 ug/L
RT: 15.970 min Scan# 2648
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 88 Resp: 33650

Ion	Ratio	Lower	Upper
88	100		
75	102.4	80.4	120.4
89	43.9	23.8	63.8
53	93.4	70.8	110.8

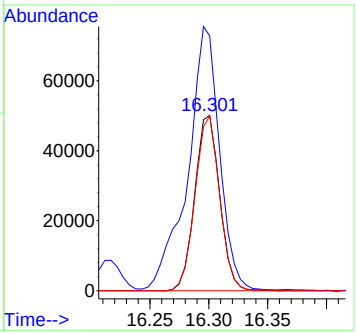


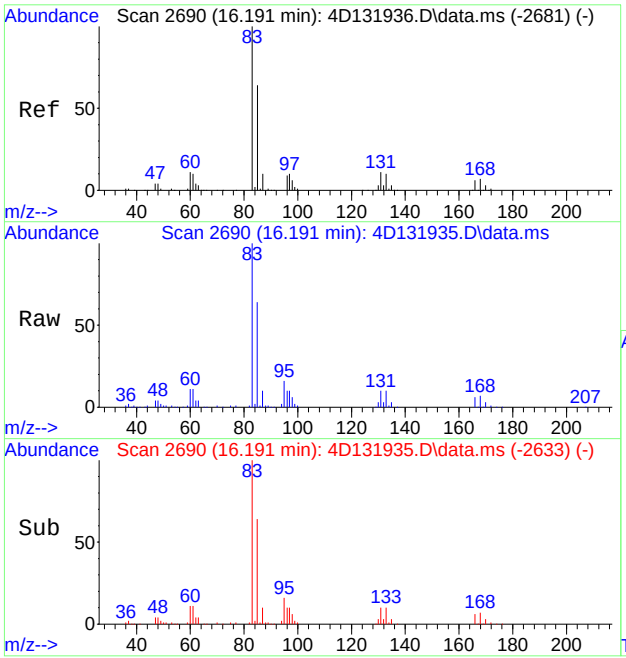


#98
bromobenzene
Concen: 19.27 ug/L
RT: 16.301 min Scan# 2711
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:156 Resp: 73911

Ion	Ratio	Lower	Upper
156	100		
77	144.6	114.1	174.1
158	99.7	69.3	129.3

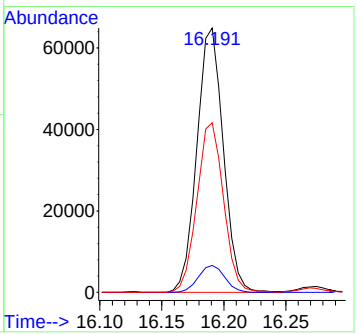


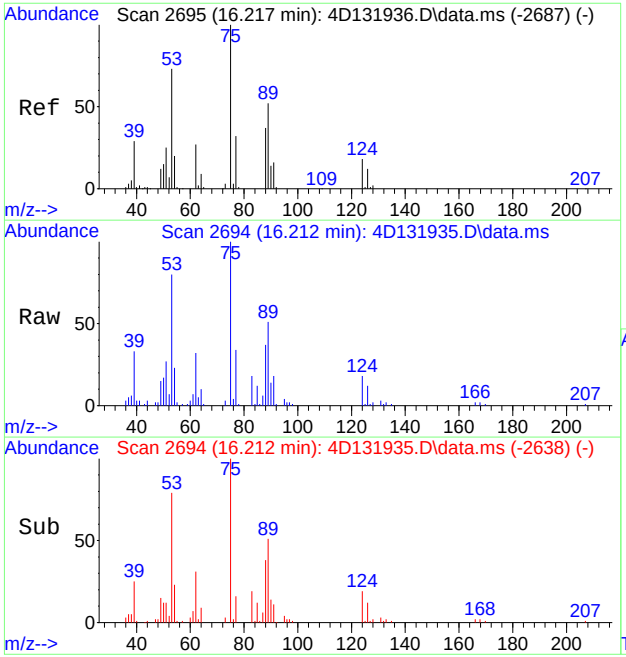


#99
1,1,2,2-tetrachloroethane
Concen: 18.89 ug/L
RT: 16.191 min Scan# 2690
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 83 Resp: 96636

Ion	Ratio	Lower	Upper
83	100		
131	10.2	0.0	40.7
85	64.2	33.7	93.7

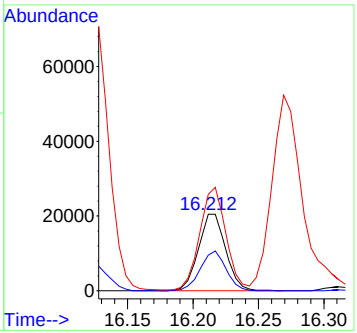


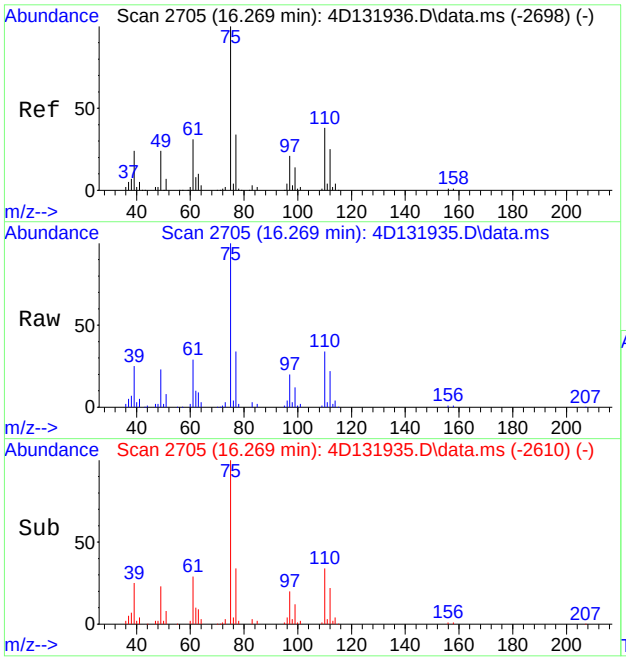


#100
trans-1,4-dichloro-2-butene
Concen: 19.67 ug/L
RT: 16.212 min Scan# 2694
Delta R.T. -0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 53 Resp: 29721

Ion	Ratio	Lower	Upper
53	100		
88	46.6	20.8	80.8
75	124.3	106.5	166.5

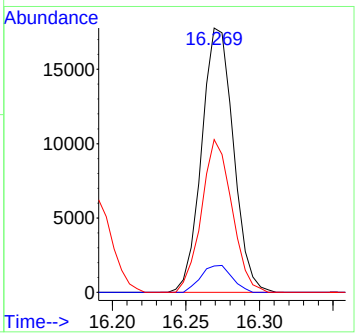


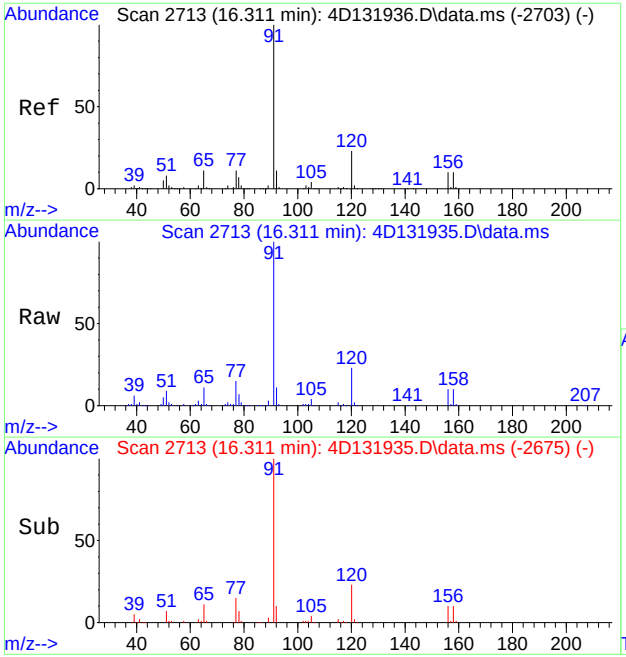


#101
1,2,3-trichloropropane
Concen: 19.82 ug/L
RT: 16.269 min Scan# 2705
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:110 Resp: 26632

Ion	Ratio	Lower	Upper
110	100		
111	10.0	0.0	40.4
97	57.7	25.6	85.6

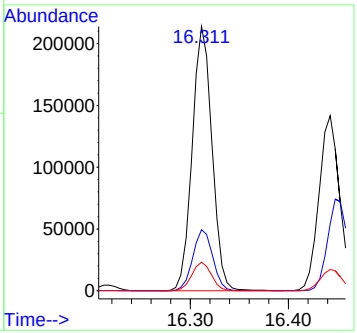


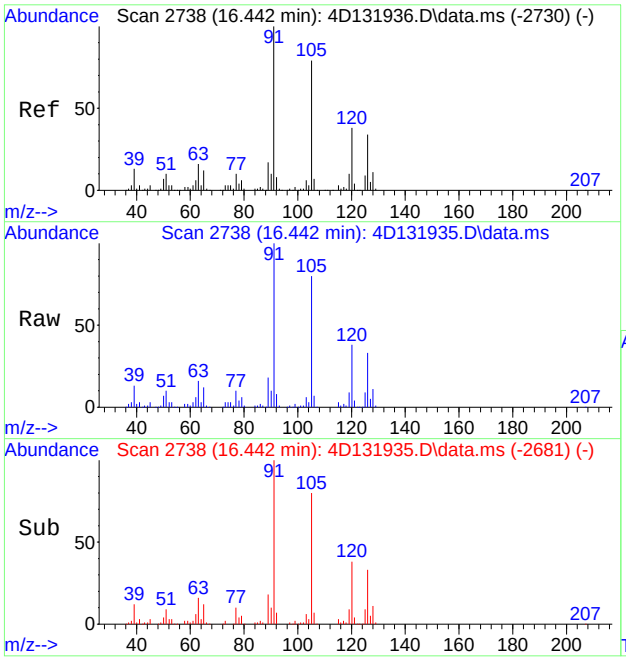


#102
n-propylbenzene
Concen: 18.49 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 91 Resp: 300582

Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	53.1
65	10.9	0.0	40.8

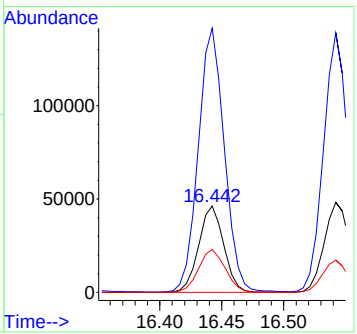


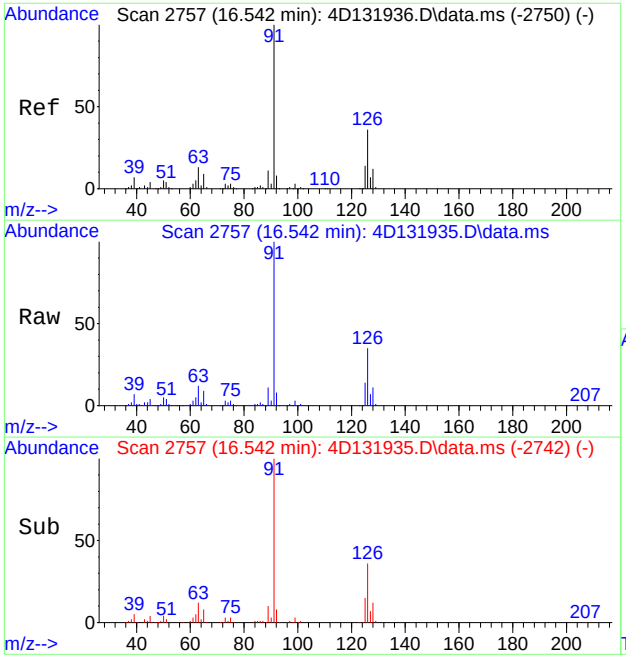


#103
2-chlorotoluene
Concen: 18.70 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:126 Resp: 65164

Ion	Ratio	Lower	Upper
126	100		
91	306.1	265.9	325.9
63	49.7	18.3	78.3

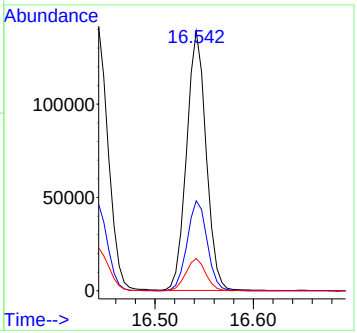


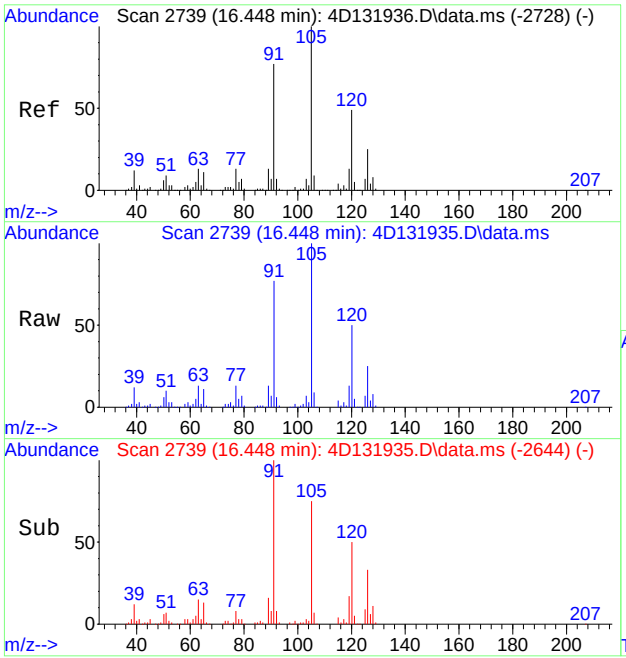


#104
4-chlorotoluene
Concen: 17.89 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 91 Resp: 192233

Ion	Ratio	Lower	Upper
91	100		
126	34.8	5.5	65.5
63	12.5	0.0	42.5

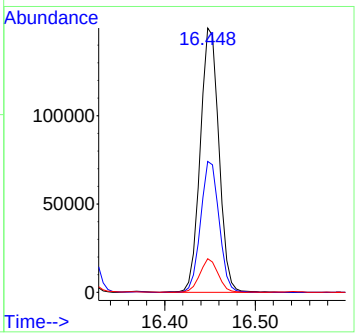


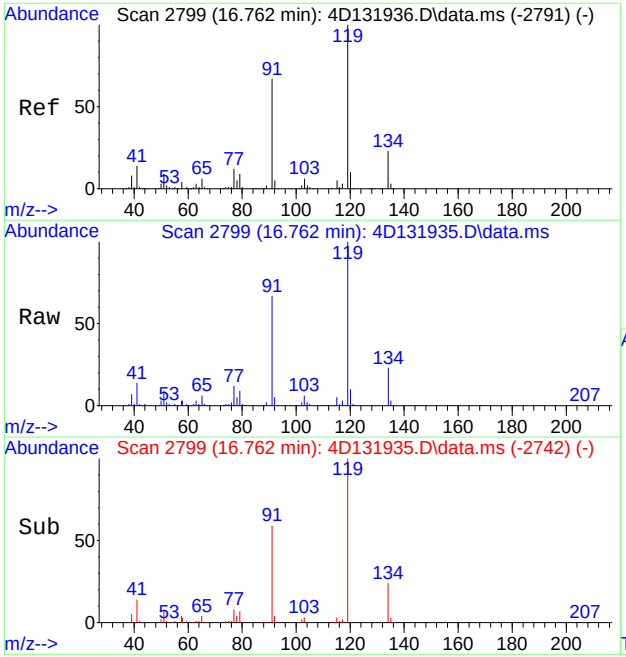


#105
1,3,5-trimethylbenzene
Concen: 18.70 ug/L
RT: 16.448 min Scan# 2739
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:105 Resp: 213667

Ion	Ratio	Lower	Upper
105	100		
120	49.5	19.3	79.3
77	12.8	0.0	42.7

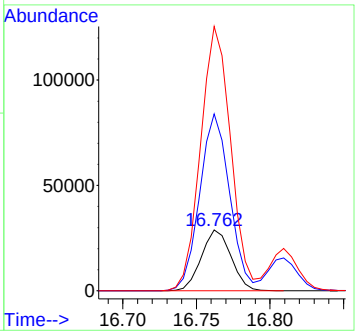


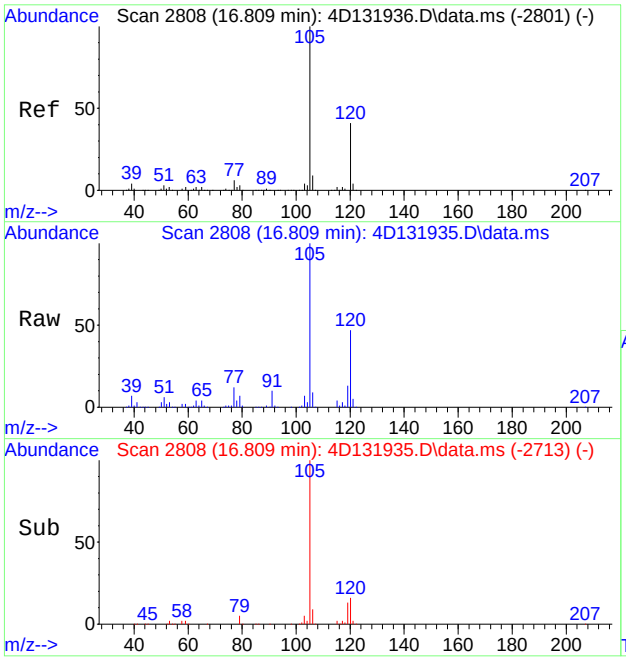


#106
tert-butylbenzene
Concen: 19.53 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:134 Resp: 40524

Ion	Ratio	Lower	Upper
134	100		
91	290.3	266.0	326.0
119	433.9	410.0	470.0

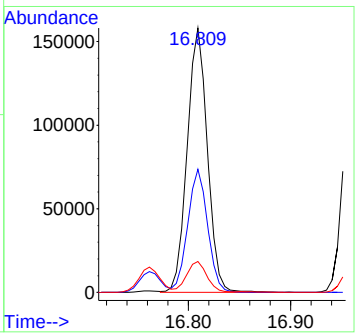


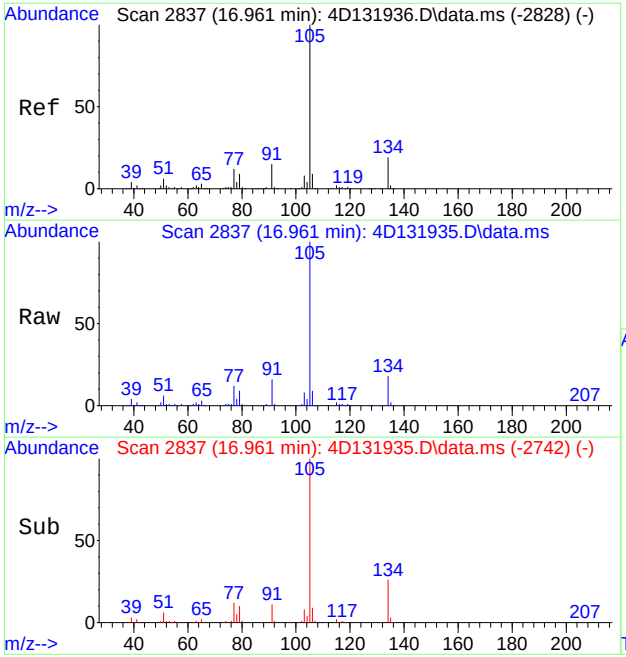


#107
1,2,4-trimethylbenzene
Concen: 18.92 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:105 Resp: 217311

Ion	Ratio	Lower	Upper
105	100		
120	46.5	15.8	75.8
77	11.7	0.0	41.4

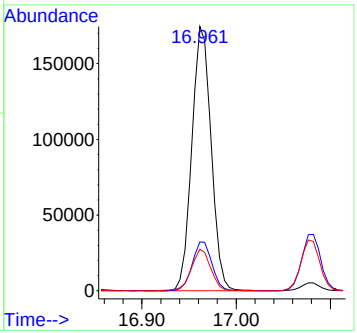


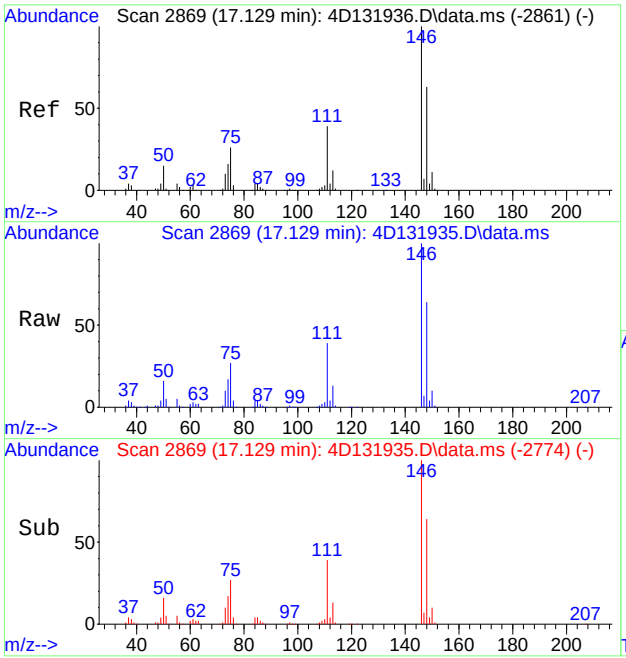


#108
sec-butylbenzene
Concen: 18.83 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:105 Resp: 248158

Ion	Ratio	Lower	Upper
105	100		
134	18.4	0.0	48.6
91	15.6	0.0	45.4

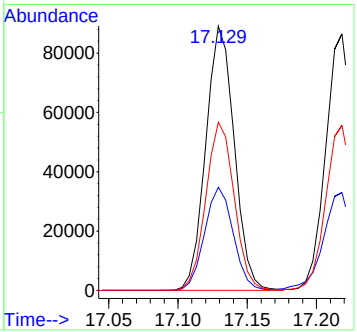


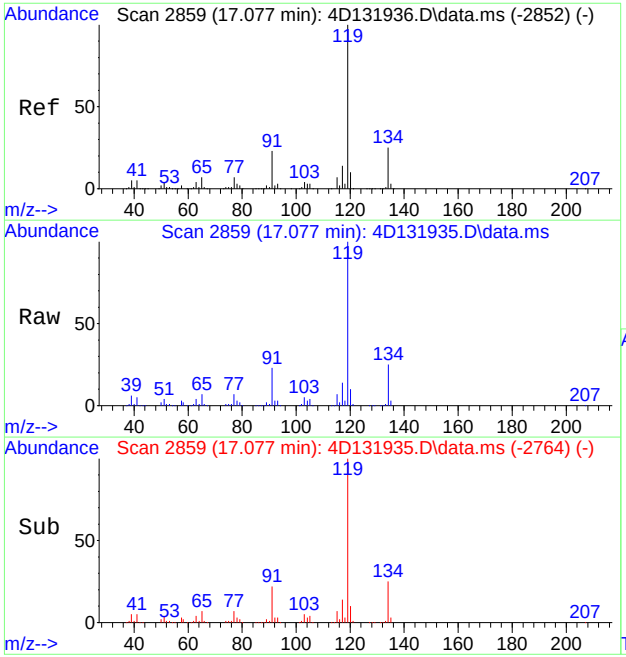


#109
1,3-dichlorobenzene
Concen: 19.19 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:146 Resp: 127323

Ion	Ratio	Lower	Upper
146	100		
111	39.0	9.4	69.4
148	63.6	33.3	93.3

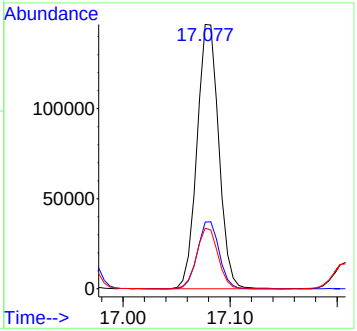


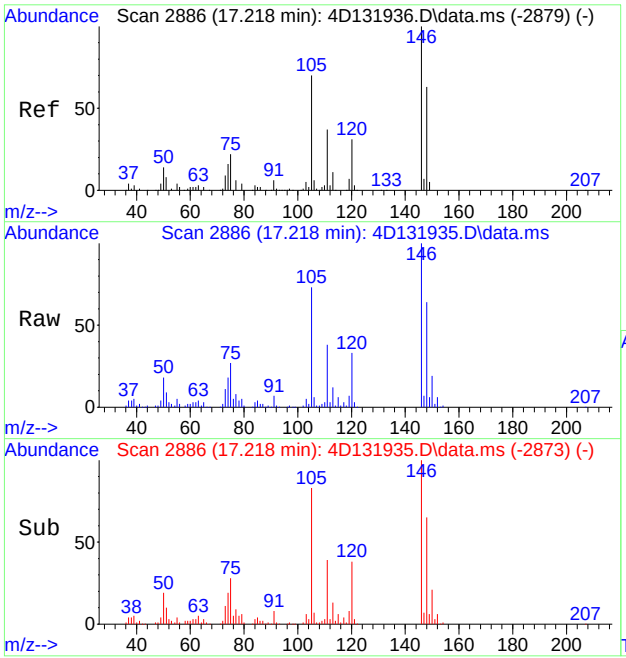


#110
p-isopropyltoluene
Concen: 19.04 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:119 Resp: 207331

Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	55.5
91	22.9	0.0	53.2

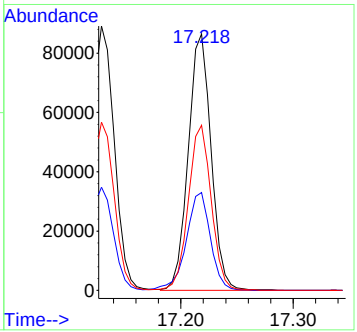


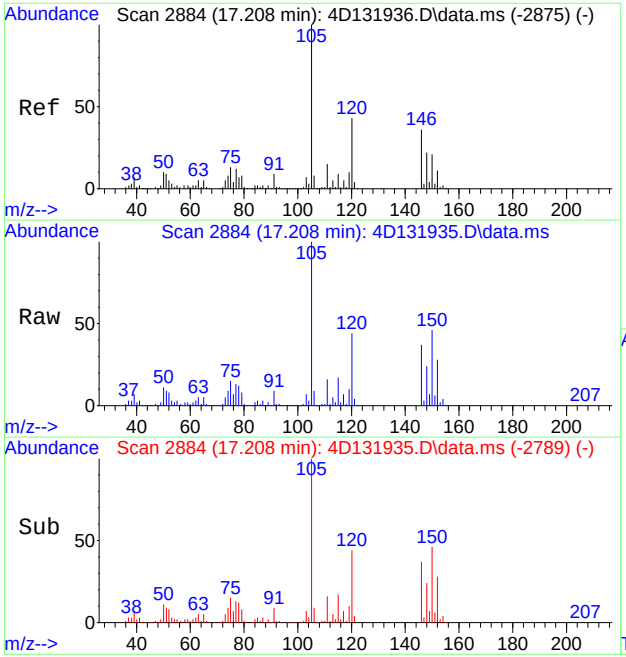


#111
1,4-dichlorobenzene
Concen: 19.06 ug/L
RT: 17.218 min Scan# 2886
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:146 Resp: 122435

Ion	Ratio	Lower	Upper
146	100		
111	38.2	7.6	67.6
148	64.4	33.6	93.6

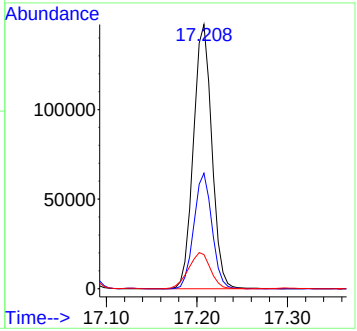


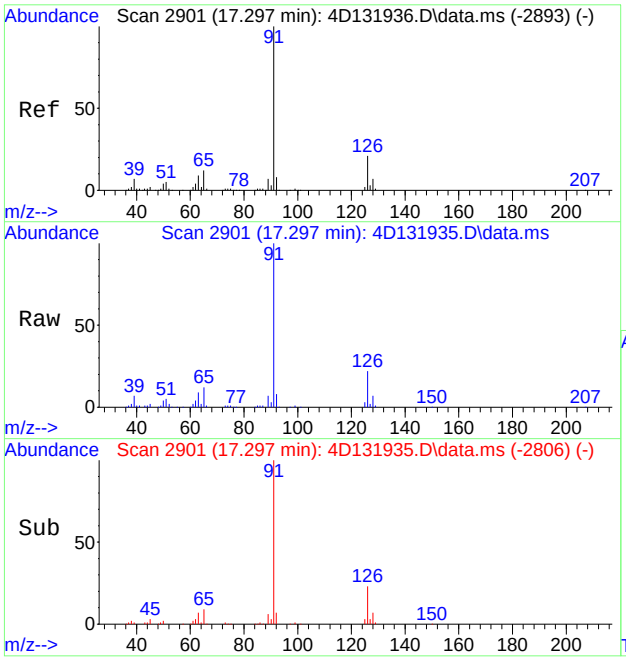


#112
1,2,3-trimethylbenzene
Concen: 18.92 ug/L
RT: 17.208 min Scan# 2884
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:105 Resp: 208251

Ion	Ratio	Lower	Upper
105	100		
120	43.7	12.6	72.6
77	12.9	0.0	42.2

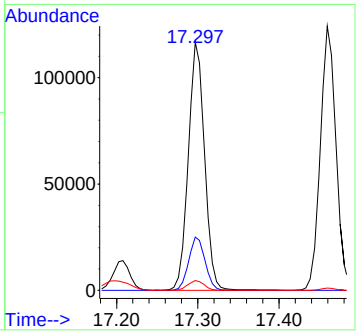


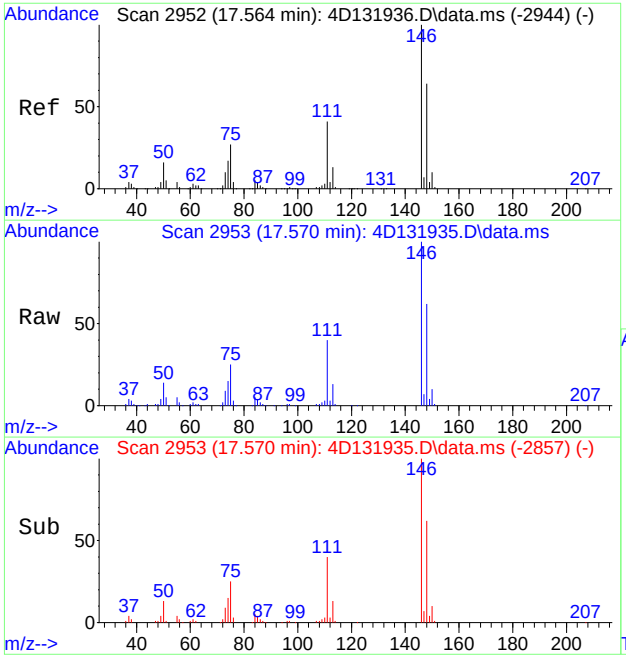


#113
benzyl chloride
Concen: 18.51 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 91 Resp: 162532

Ion	Ratio	Lower	Upper
91	100		
126	21.5	0.0	51.2
62	4.0	0.0	34.2

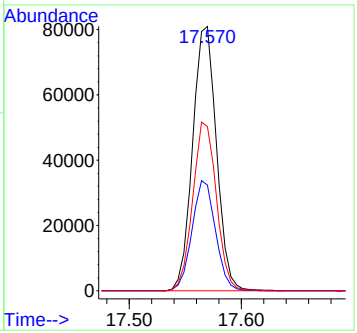


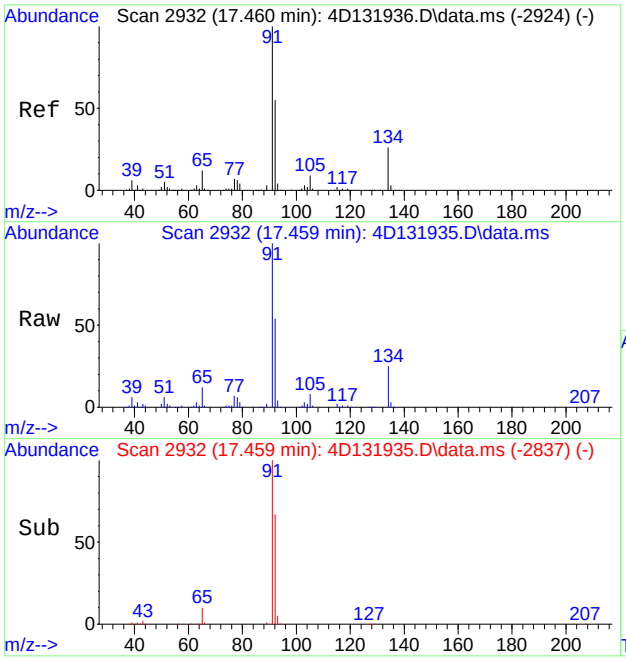


#114
1,2-dichlorobenzene
Concen: 19.33 ug/L
RT: 17.570 min Scan# 2953
Delta R.T. 0.005 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:146 Resp: 119694

Ion	Ratio	Lower	Upper
146	100		
111	39.9	11.4	71.4
148	62.1	33.6	93.6

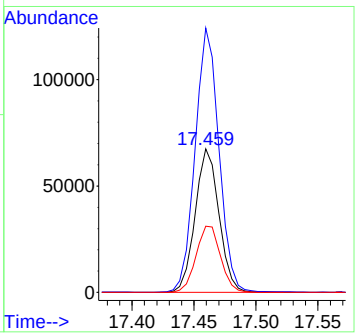


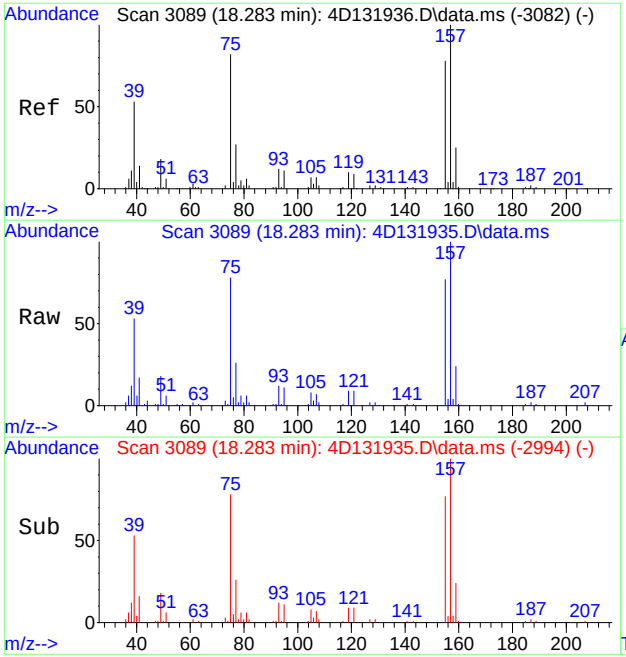


#115
n-butylbenzene
Concen: 18.88 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion: 92 Resp: 90475

Ion	Ratio	Lower	Upper
92	100		
91	183.9	151.4	211.4
134	46.2	16.5	76.5

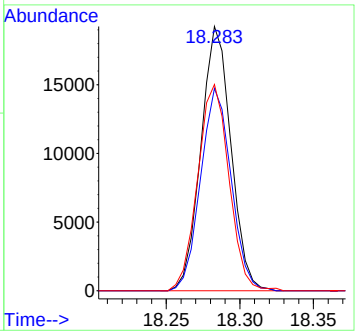


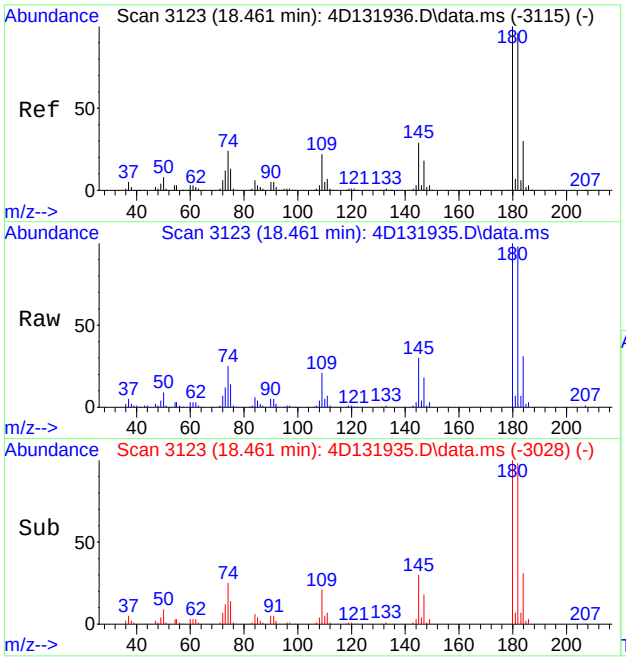


#116
1,2-dibromo-3-chloropropane
Concen: 20.45 ug/L
RT: 18.283 min Scan# 3089
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:157 Resp: 27262

Ion	Ratio	Lower	Upper
157	100		
155	76.6	48.1	108.1
75	78.1	52.3	112.3

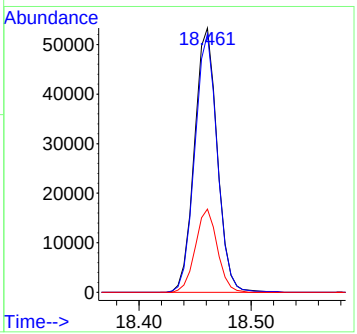


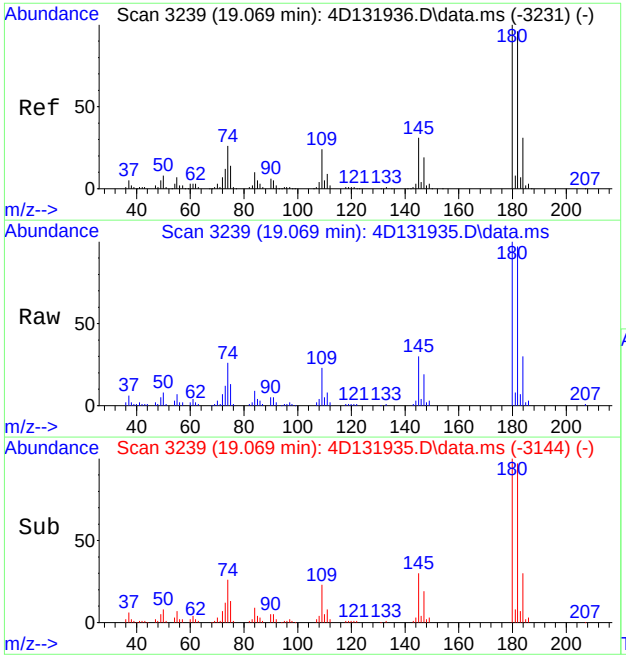


#117
1,3,5-trichlorobenzene
Concen: 20.03 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:180 Resp: 75407

Ion	Ratio	Lower	Upper
180	100		
182	97.7	66.1	126.1
184	31.5	0.3	60.3

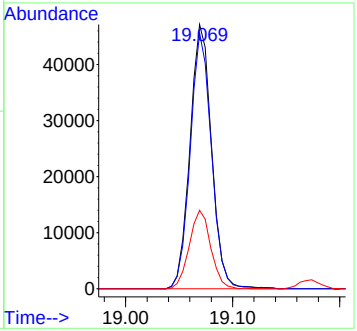


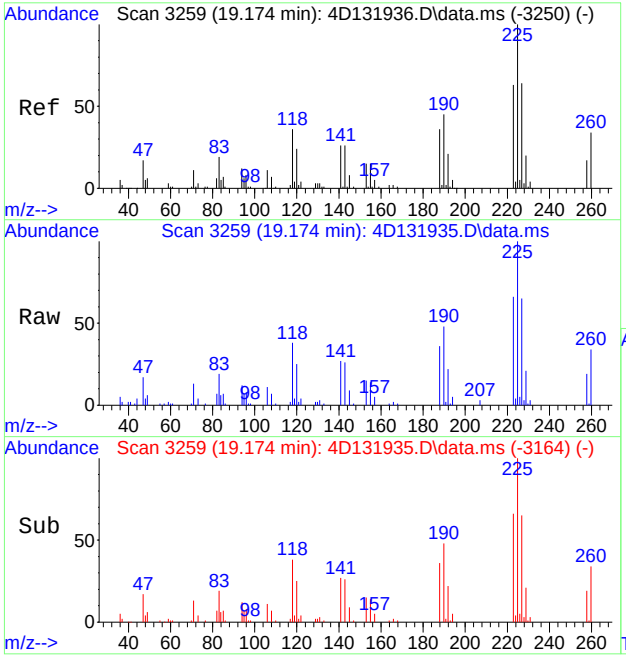


#118
1,2,4-trichlorobenzene
Concen: 20.28 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:180 Resp: 66154

Ion	Ratio	Lower	Upper
180	100		
182	96.7	65.6	125.6
145	29.7	0.8	60.8

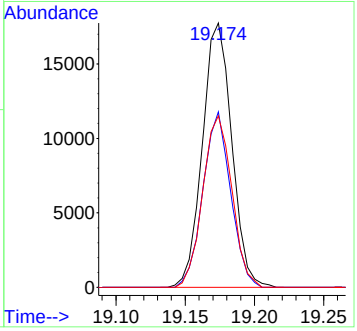


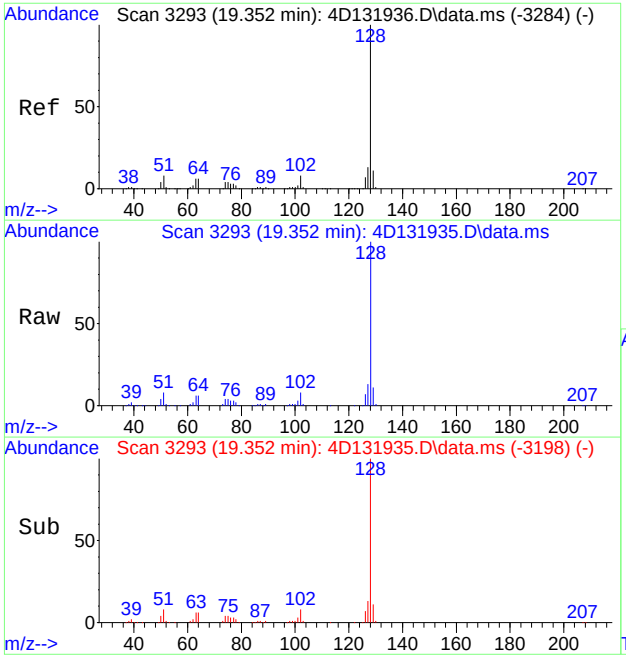


#119
hexachlorobutadiene
Concen: 20.27 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:225 Resp: 26136

Ion	Ratio	Lower	Upper
225	100		
223	66.3	33.3	93.3
227	64.9	33.8	93.8

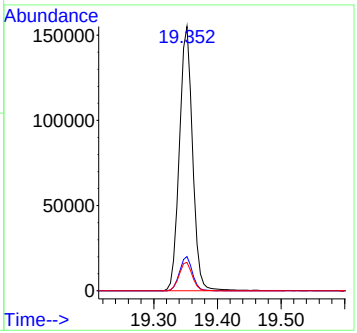


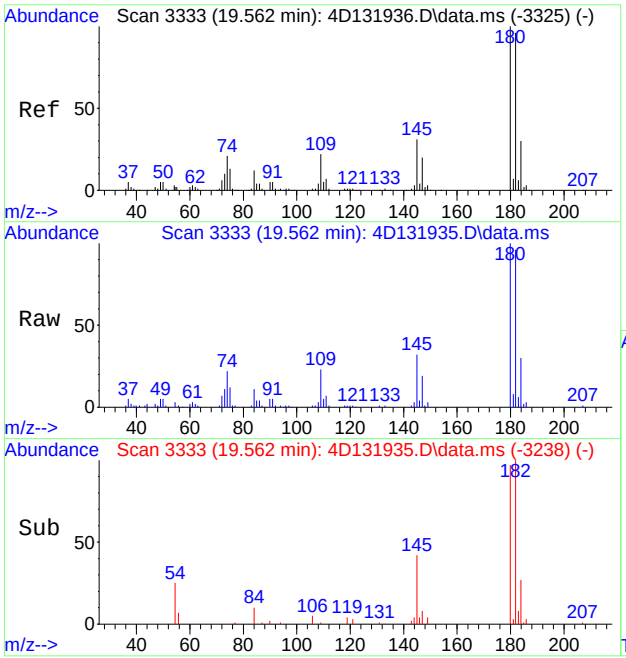


#120
naphthalene
Concen: 19.90 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:128 Resp: 221803

Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	42.5
129	10.8	0.0	41.0

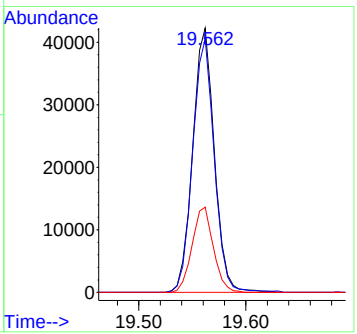


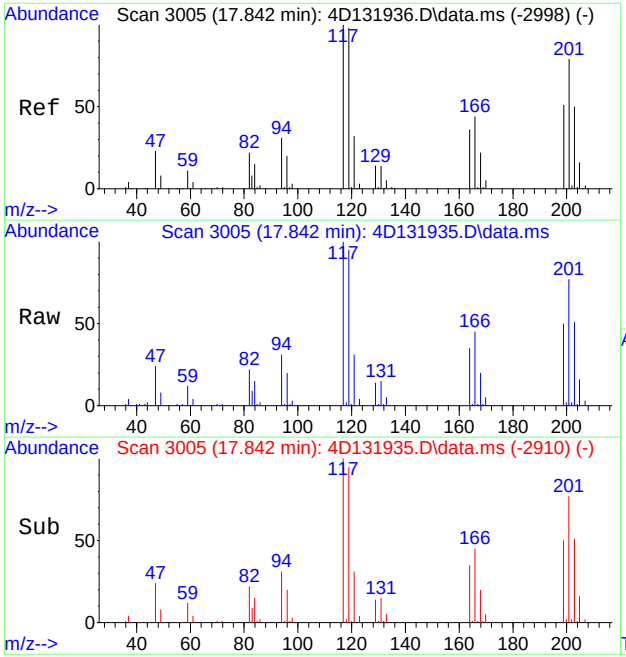


#121
1,2,3-trichlorobenzene
Concen: 20.31 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:180 Resp: 59476

Ion	Ratio	Lower	Upper
180	100		
182	95.9	66.3	126.3
145	32.2	1.3	61.3

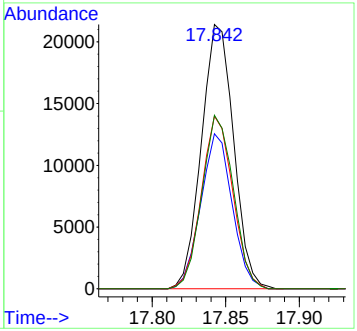


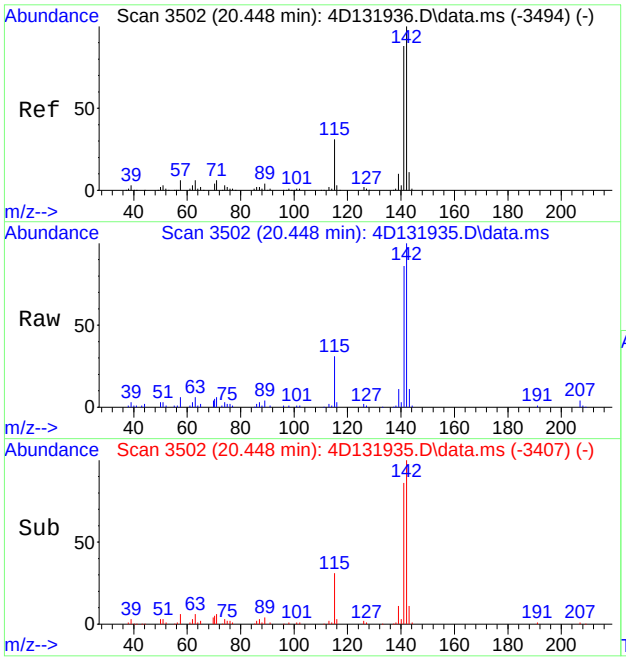


#122
hexachloroethane
Concen: 21.16 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:201 Resp: 32603

Ion	Ratio	Lower	Upper
201	100		
166	58.6	26.1	86.1
199	65.3	33.8	93.8
203	65.6	33.7	93.7

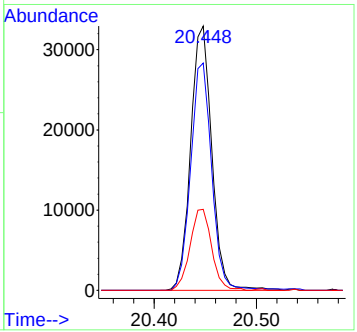




#123
2-methylnaphthalene
Concen: 10.47 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. -0.000 min
Lab File: 4D131935.D
Acq: 6 Oct 2023 6:31 pm

Tgt Ion:142 Resp: 47642

Ion	Ratio	Lower	Upper
142	100		
141	86.0	67.9	107.9
115	30.6	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131936.D
Acq On : 6 Oct 2023 7:00 pm
Operator : nickw
Sample : icc5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 15:25:15 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:22:58 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.829	65	412904	500.00	ug/L	0.00
5) pentafluorobenzene	11.299	168	379181	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	623932	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	501871	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	215929	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.299	168	379181	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	215929	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.341	113	203163	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	223437	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
74) toluene-d8 (s)	13.706	98	652842	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
97) 4-bromofluorobenzene (s)	16.128	95	228094	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.961	59	319254	250.00	ug/L	100
3) ethanol	7.325	45	627840	5000.00	ug/L	100
4) 1,4-dioxane	12.814	88	104500	1250.00	ug/L	100
6) chlorodifluoromethane	4.808	51	270076	50.00	ug/L	100
7) dichlorodifluoromethane	4.735	85	287468	50.00	ug/L	100
8) chloromethane	5.248	50	302405	50.00	ug/L	100
9) vinyl chloride	5.495	62	274302	50.00	ug/L	100
10) 1,3-butadiene	5.600	54	205150	50.00	ug/L	100
11) bromomethane	6.271	94	124711	50.00	ug/L	100
12) chloroethane	6.528	64	151561	50.00	ug/L	100
13) trichlorofluoromethane	7.073	101	330175	50.00	ug/L	100
14) ethyl ether	7.592	74	113315	50.00	ug/L	100
15) acrolein	7.854	56	60156	50.00	ug/L	100
16) freon 113	8.064	151	145555	50.00	ug/L	100
17) 1,1-dichloroethene	8.075	96	160564	50.00	ug/L	100
18) acetone	8.085	58	175573	200.00	ug/L	100
19) acetonitrile	8.562	41	460416	500.00	ug/L	100
20) iodomethane	8.363	142	240476	50.00	ug/L	100
21) carbon disulfide	8.520	76	486951	50.00	ug/L	100
22) methylene chloride	8.892	84	190432	50.00	ug/L	100
23) methyl acetate	8.620	74	50375	50.00	ug/L	100
24) methyl tert butyl ether	9.286	73	590026	50.00	ug/L	100
25) trans-1,2-dichloroethene	9.333	96	176237	50.00	ug/L	100
26) di-isopropyl ether	9.951	45	684037	50.00	ug/L	100
27) 2-butanone	10.670	72	167340	200.00	ug/L	100
28) 1,1-dichloroethane	9.972	63	363986	50.00	ug/L	100
29) chloroprene	10.083	53	326769	50.00	ug/L	100
30) acrylonitrile	9.217	53	124887	50.00	ug/L	100
31) hexane	9.726	56	155455	50.00	ug/L	100
32) vinyl acetate	9.899	86	41191	50.00	ug/L	100
33) ethyl tert-butyl ether	10.450	59	695265	50.00	ug/L	100
34) ethyl acetate	10.691	70	36940	50.00	ug/L	100
35) 2,2-dichloropropane	10.769	77	258499	50.00	ug/L	100
36) cis-1,2-dichloroethene	10.743	96	198443	50.00	ug/L	100
37) methyl acrylate	10.775	55	364663	50.00	ug/L	100
38) propionitrile	10.754	54	533212	500.00	ug/L	100
39) bromochloromethane	11.053	128	103153	50.00	ug/L	100
40) tetrahydrofuran	11.074	72	44400	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131936.D
Acq On : 6 Oct 2023 7:00 pm
Operator : nickw
Sample : icc5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 15:25:15 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:22:58 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) chloroform	11.147	85	216148	50.00	ug/L	100
42) t-butyl formate	11.173	59	87904	50.00	ug/L	100
44) methacrylonitrile	10.963	67	112043	50.00	ug/L	100
45) 1,1,1-trichloroethane	11.404	97	285993	50.00	ug/L	100
46) cyclohexane	11.514	84	252093	50.00	ug/L	100
47) 1,1-dichloropropene	11.577	75	240759	50.00	ug/L	100
48) isobutyl alcohol	11.540	74	23156	500.00	ug/L	100
49) carbon tetrachloride	11.598	117	248056	50.00	ug/L	100
50) tert amyl alcohol	11.692	55	100310	250.00	ug/L	100
53) n-butyl alcohol	12.253	56	761724	2500.00	ug/L	100
54) 2,2,4-trimethylpentane	11.902	57	482063	50.00	ug/L	100
55) benzene	11.818	78	668102	50.00	ug/L	100
56) tert-amyl methyl ether	11.886	87	131060	50.00	ug/L	100
57) heptane	12.054	71	106185	50.00	ug/L	100
58) isopropyl acetate	11.718	87	53243	50.00	ug/L	100
59) 1,2-dichloroethane	11.844	62	266726	50.00	ug/L	100
60) trichloroethene	12.500	130	193671	50.00	ug/L	100
61) ethyl acrylate	12.479	55	362139	50.00	ug/L	100
63) 2-chloroethyl vinyl ether	13.218	63	533430	250.00	ug/L	100
64) methyl methacrylate	12.725	100	66720	50.00	ug/L	100
65) 1,2-dichloropropane	12.772	63	197415	50.00	ug/L	100
66) dibromomethane	12.872	93	122185	50.00	ug/L	100
67) methylcyclohexane	12.772	83	265815	50.00	ug/L	100
68) bromodichloromethane	13.013	83	245730	50.00	ug/L	100
69) epichlorohydrin	13.302	57	179684	250.00	ug/L	100
70) cis-1,3-dichloropropene	13.422	75	299146	50.00	ug/L	100
71) 4-methyl-2-pentanone	13.512	58	460155	200.00	ug/L	100
75) toluene	13.774	92	406494	50.00	ug/L	100
76) trans-1,3-dichloropropene	13.936	75	268063	50.00	ug/L	100
77) ethyl methacrylate	13.915	69	256719	50.00	ug/L	100
78) 1,1,2-trichloroethane	14.141	83	142065	50.00	ug/L	100
79) tetrachloroethene	14.277	164	143660	50.00	ug/L	100
80) 1,3-dichloropropane	14.303	76	253962	50.00	ug/L	100
81) 2-hexanone	14.277	58	498877	200.00	ug/L	100
82) butyl acetate	14.335	56	168169	50.00	ug/L	100
83) dibromochloromethane	14.534	129	204654	50.00	ug/L	100
84) 1,2-dibromoethane	14.675	107	185378	50.00	ug/L	100
85) n-butyl ether	15.037	57	784684	49.89	ug/L	100
86) chlorobenzene	15.105	112	451317	50.00	ug/L	100
87) 1,1,1,2-tetrachloroethane	15.158	131	163676	50.00	ug/L	100
88) ethylbenzene	15.153	91	726393	50.00	ug/L	100
89) m,p-xylene	15.257	106	557739	100.00	ug/L	100
90) o-xylene	15.624	106	273231	50.00	ug/L	100
91) styrene	15.635	104	462549	50.00	ug/L	100
92) bromoform	15.855	173	147497	50.00	ug/L	100
93) butyl acrylate	15.446	55	424951	50.00	ug/L	100
94) isopropylbenzene	15.934	105	634935	50.00	ug/L	100
95) cis-1,4-dichloro-2-butene	15.970	88	86661	50.00	ug/L	100
98) bromobenzene	16.301	156	183907	50.00	ug/L	100
99) 1,1,2,2-tetrachloroethane	16.191	83	232872	50.00	ug/L	100
100) trans-1,4-dichloro-2-b...	16.217	53	75166	50.00	ug/L	100
101) 1,2,3-trichloropropane	16.269	110	65907	50.00	ug/L	100
102) n-propylbenzene	16.311	91	749358	50.00	ug/L	100
103) 2-chlorotoluene	16.442	126	162378	50.00	ug/L	100
104) 4-chlorotoluene	16.542	91	474219	50.00	ug/L	100
105) 1,3,5-trimethylbenzene	16.448	105	525656	50.00	ug/L	100
106) tert-butylbenzene	16.762	134	101249	50.00	ug/L	100
107) 1,2,4-trimethylbenzene	16.809	105	531516	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131936.D
Acq On : 6 Oct 2023 7:00 pm
Operator : nickw
Sample : icc5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 15:25:15 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:22:58 2023
Response via : Initial Calibration

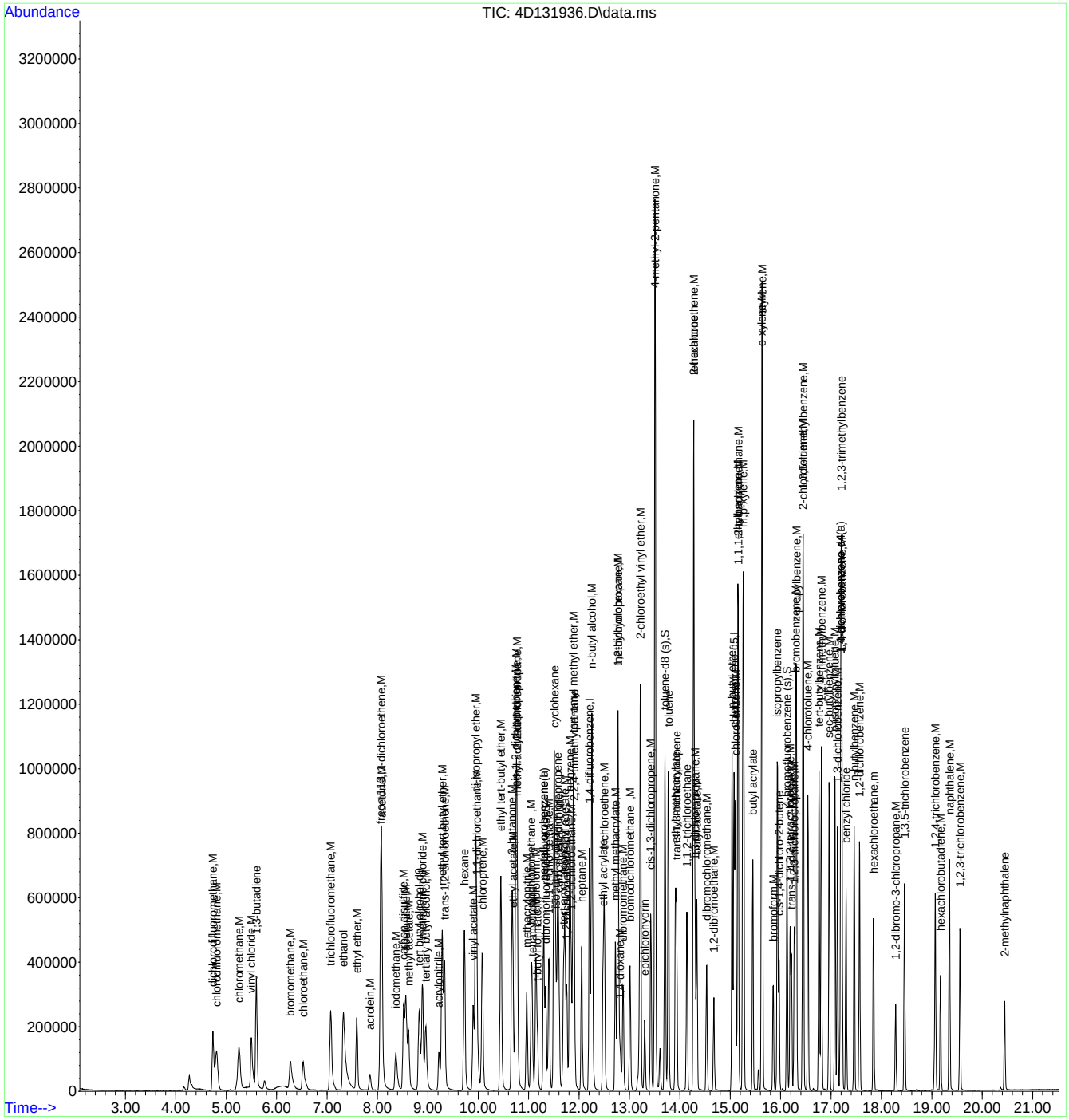
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	16.961	105	620556	50.00	ug/L	100
109) 1,3-dichlorobenzene	17.129	146	313102	50.00	ug/L	100
110) p-isopropyltoluene	17.077	119	516166	50.00	ug/L	100
111) 1,4-dichlorobenzene	17.218	146	304341	50.00	ug/L	100
112) 1,2,3-trimethylbenzene	17.208	105	508964	50.00	ug/L	100
113) benzyl chloride	17.297	91	404989	50.00	ug/L	100
114) 1,2-dichlorobenzene	17.564	146	300714	50.00	ug/L	100
115) n-butylbenzene	17.460	92	225670	50.00	ug/L	100
116) 1,2-dibromo-3-chloropr...	18.283	157	71311	50.00	ug/L	100
117) 1,3,5-trichlorobenzene	18.461	180	193393	50.00	ug/L	100
118) 1,2,4-trichlorobenzene	19.069	180	169221	50.00	ug/L	100
119) hexachlorobutadiene	19.174	225	68060	50.00	ug/L	100
120) naphthalene	19.352	128	535064	50.00	ug/L	100
121) 1,2,3-trichlorobenzene	19.562	180	148421	50.00	ug/L	100
122) hexachloroethane	17.842	201	86518	50.00	ug/L	100
123) 2-methylnaphthalene	20.448	142	127110	25.00	ug/L	100

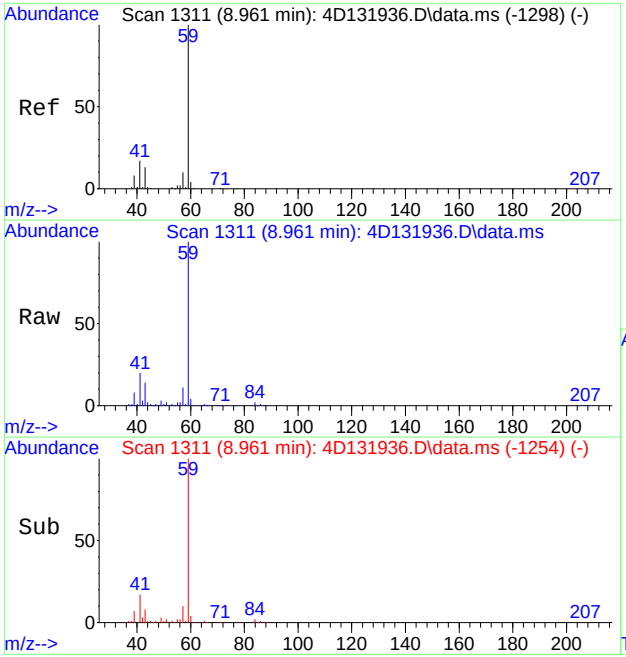
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131936.D
Acq On : 6 Oct 2023 7:00 pm
Operator : nickw
Sample : icc5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 15:25:15 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:22:58 2023
Response via : Initial Calibration

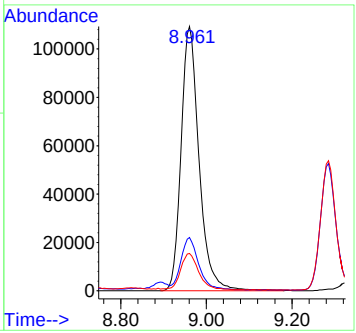


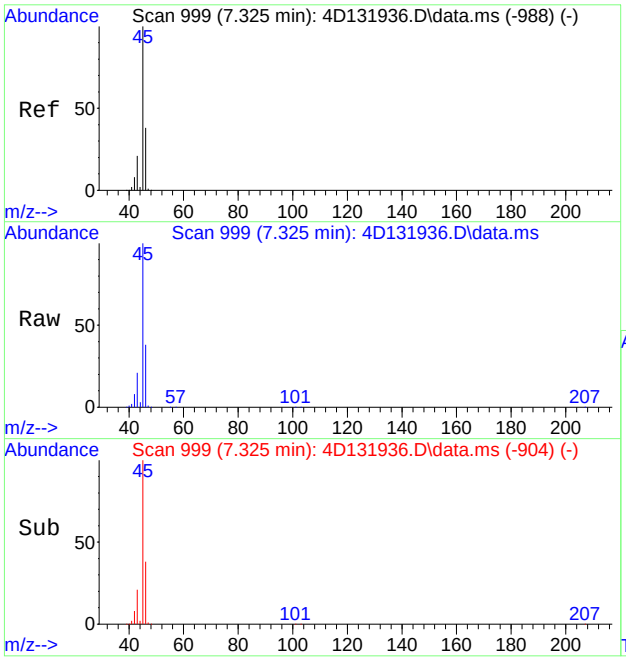


#2
tertiary butyl alcohol
Concen: 250.00 ug/L
RT: 8.961 min Scan# 1311
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 59 Resp: 319254

Ion	Ratio	Lower	Upper
59	100		
41	19.8	0.0	49.8
43	13.7	0.0	43.7

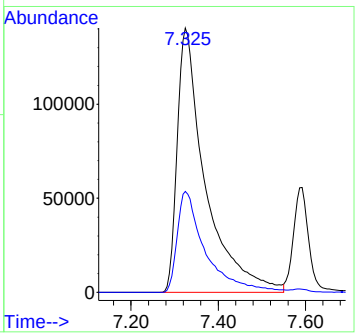


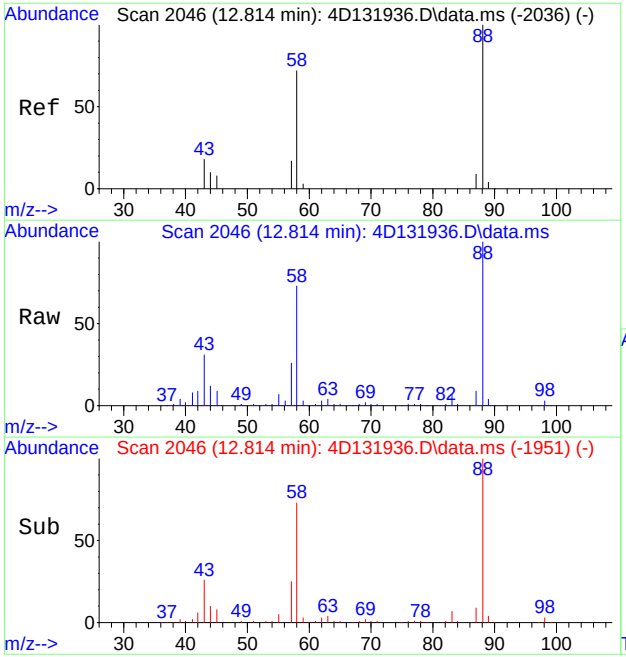


#3
ethanol
Concen: 5000.00 ug/L
RT: 7.325 min Scan# 999
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 45 Resp: 627840

Ion	Ratio	Lower	Upper
45	100		
46	38.2	8.2	68.2

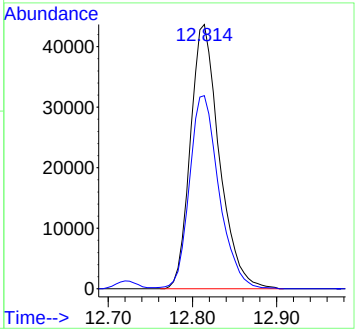


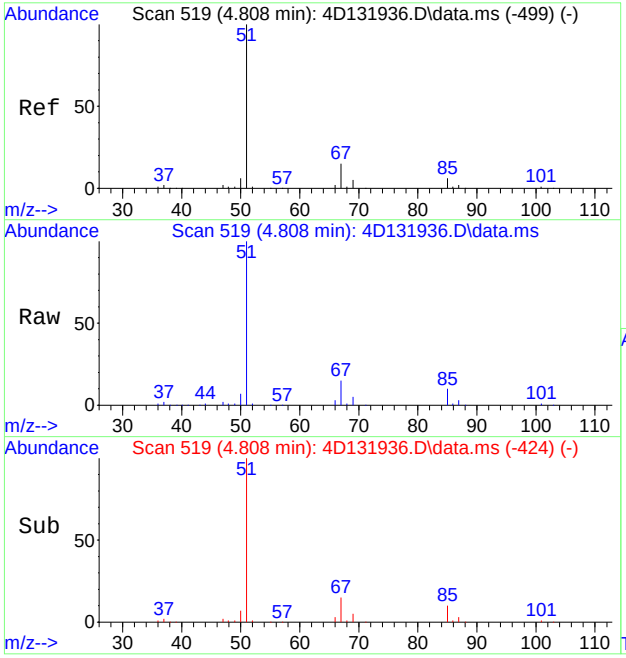


#4
1,4-dioxane
Concen: 1250.00 ug/L
RT: 12.814 min Scan# 2046
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 88 Resp: 104500

Ion	Ratio	Lower	Upper
88	100		
58	73.1	43.1	103.1

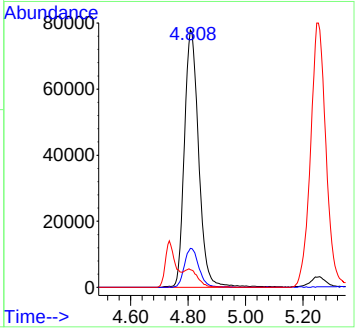


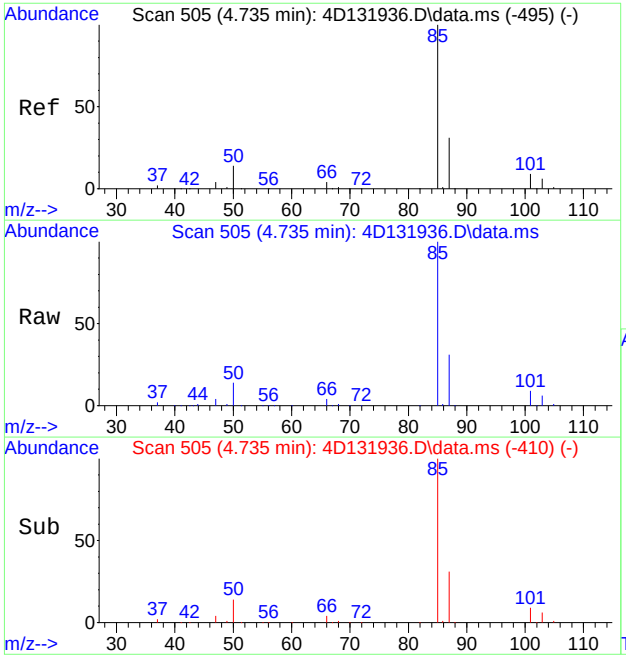


#6
chlorodifluoromethane
Concen: 50.00 ug/L
RT: 4.808 min Scan# 519
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 51 Resp: 270076

Ion	Ratio	Lower	Upper
51	100		
67	15.1	0.0	45.1
50	6.9	0.0	36.9

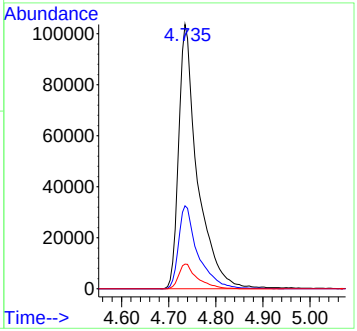


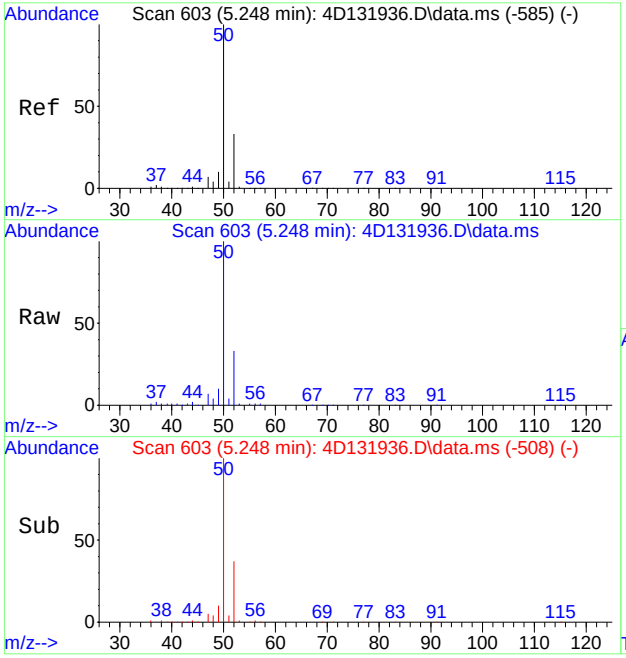


#7
dichlorodifluoromethane
Concen: 50.00 ug/L
RT: 4.735 min Scan# 505
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 85 Resp: 287468

Ion	Ratio	Lower	Upper
85	100		
87	31.4	1.4	61.4
101	9.3	0.0	39.3

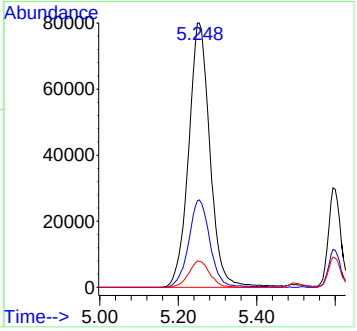


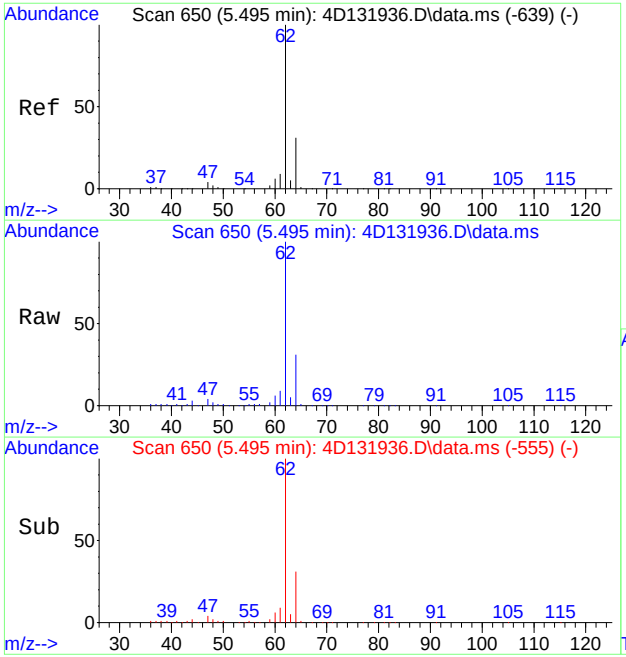


#8
chloromethane
Concen: 50.00 ug/L
RT: 5.248 min Scan# 603
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 50 Resp: 302405

Ion	Ratio	Lower	Upper
50	100		
52	32.8	2.8	62.8
49	10.0	0.0	40.0

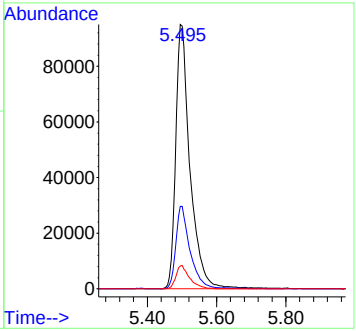


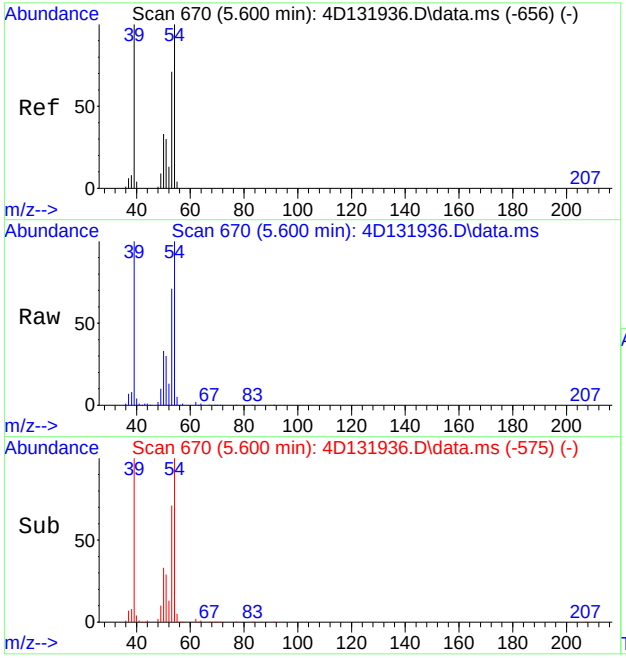


#9
vinyl chloride
Concen: 50.00 ug/L
RT: 5.495 min Scan# 650
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 62 Resp: 274302

Ion	Ratio	Lower	Upper
62	100		
64	31.2	1.2	61.2
61	8.7	0.0	38.7

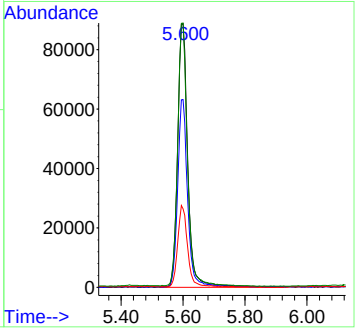


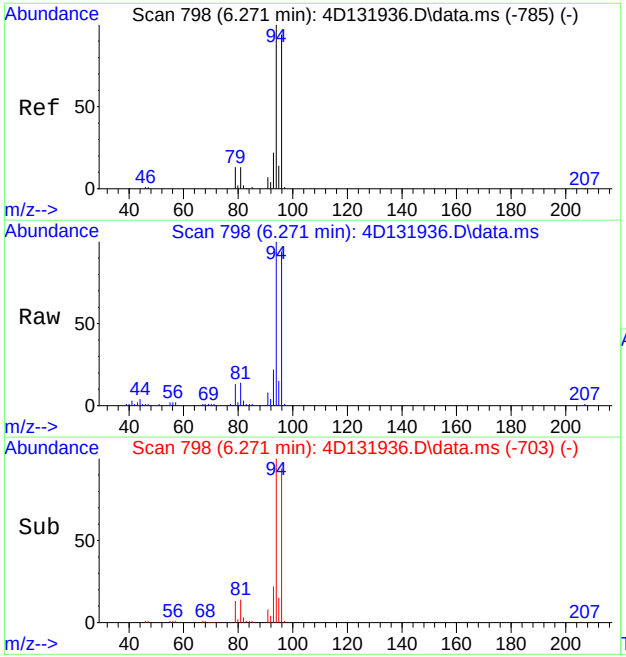


#10
1,3-butadiene
Concen: 50.00 ug/L
RT: 5.600 min Scan# 670
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 54 Resp: 205150

Ion	Ratio	Lower	Upper
54	100		
53	71.0	41.0	101.0
51	29.6	0.0	59.6
39	99.8	79.8	119.8

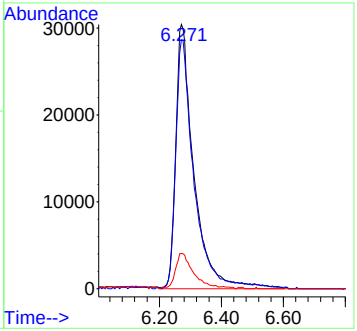


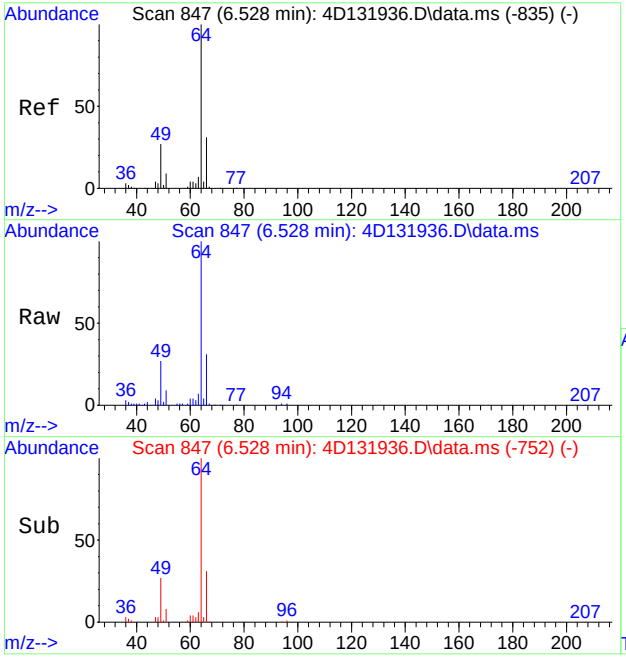


#11
bromomethane
Concen: 50.00 ug/L
RT: 6.271 min Scan# 798
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 94 Resp: 124711

Ion	Ratio	Lower	Upper
94	100		
96	93.6	63.6	123.6
79	13.4	0.0	43.4

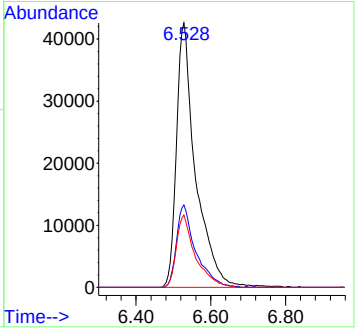


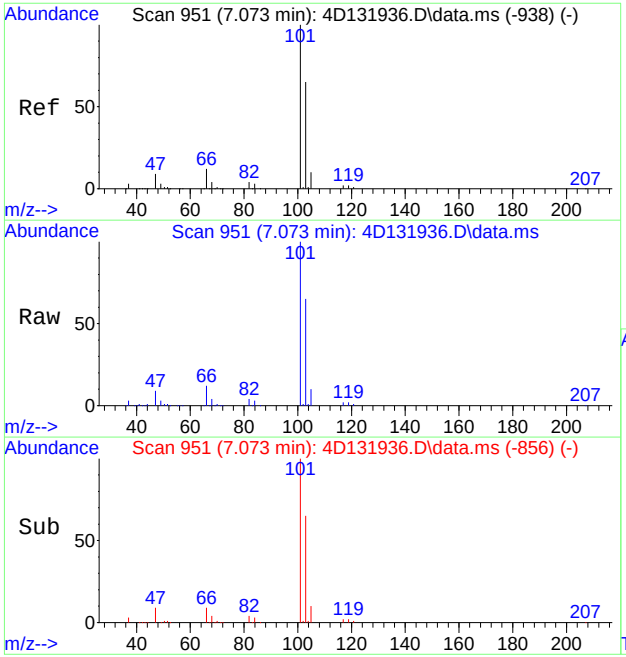


#12
chloroethane
Concen: 50.00 ug/L
RT: 6.528 min Scan# 847
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 64 Resp: 151561

Ion	Ratio	Lower	Upper
64	100		
66	31.2	1.2	61.2
49	27.3	0.0	57.3

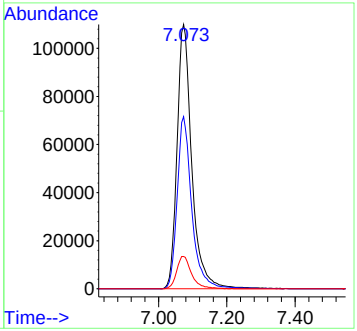


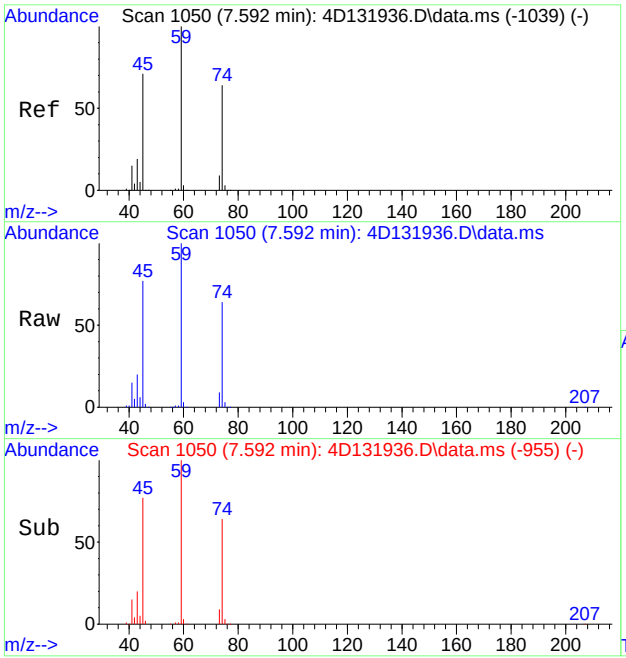


#13
trichlorofluoromethane
Concen: 50.00 ug/L
RT: 7.073 min Scan# 951
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:101 Resp: 330175

Ion	Ratio	Lower	Upper
101	100		
103	65.1	35.1	95.1
66	12.2	0.0	42.2

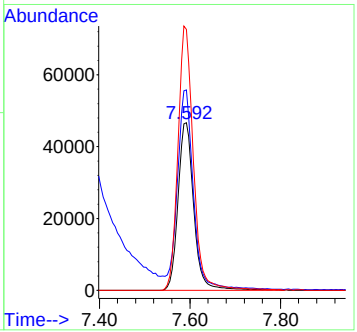


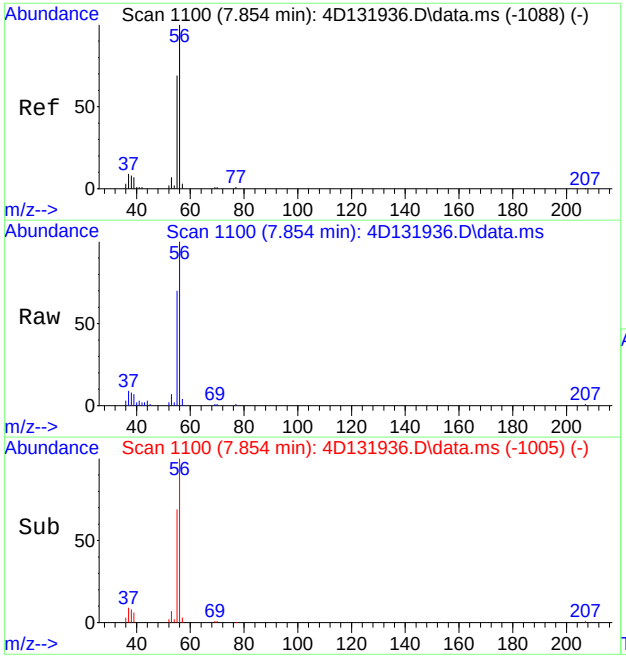


#14
ethyl ether
Concen: 50.00 ug/L
RT: 7.592 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 74 Resp: 113315

Ion	Ratio	Lower	Upper
74	100		
45	119.0	89.0	149.0
59	155.8	125.8	185.8

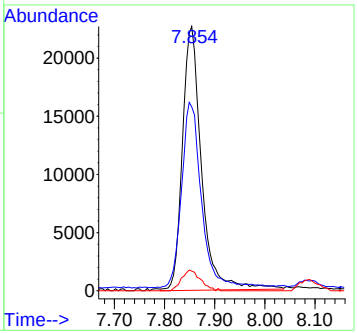


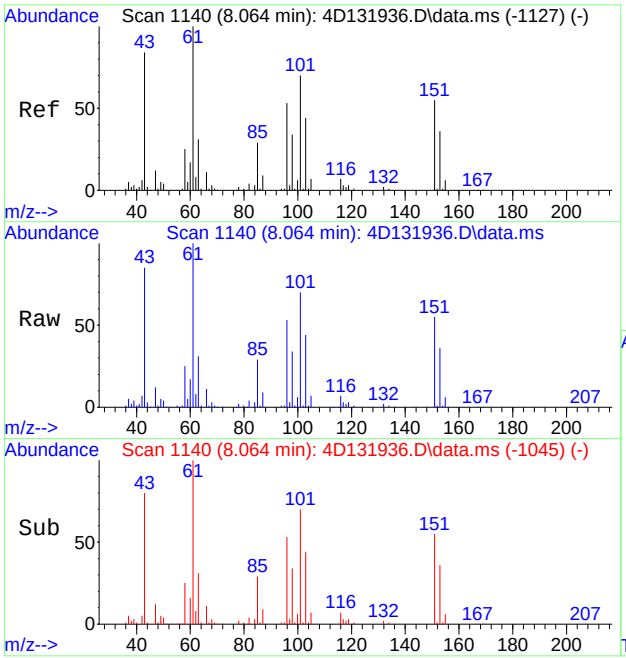


#15
acrolein
Concen: 50.00 ug/L
RT: 7.854 min Scan# 1100
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 56 Resp: 60156

Ion	Ratio	Lower	Upper
56	100		
55	68.7	38.7	98.7
53	7.5	0.0	37.5

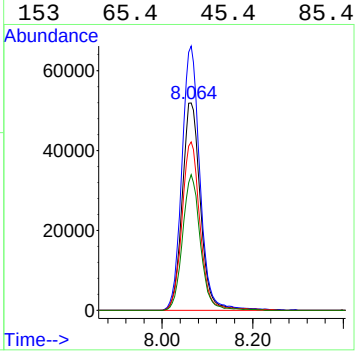


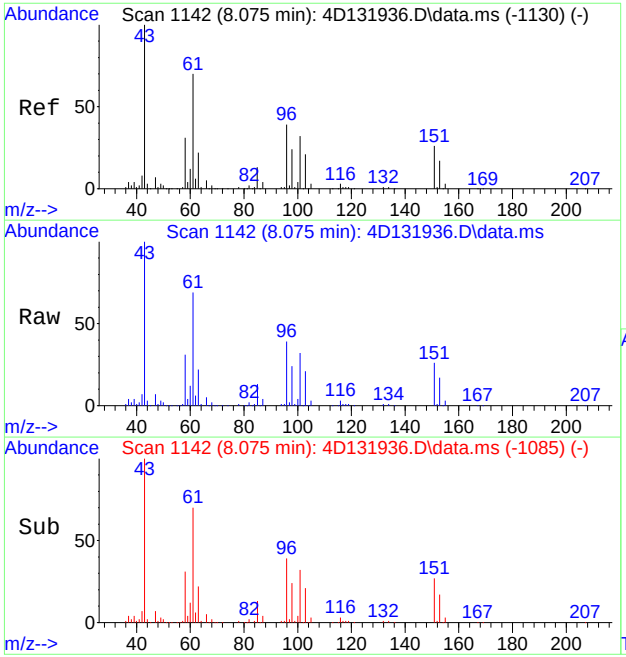


#16
freon 113
Concen: 50.00 ug/L
RT: 8.064 min Scan# 1140
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:151 Resp: 145555

Ion	Ratio	Lower	Upper
151	100		
101	127.6	107.6	147.6
103	81.2	61.2	101.2
153	65.4	45.4	85.4

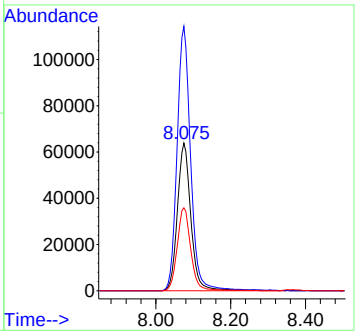


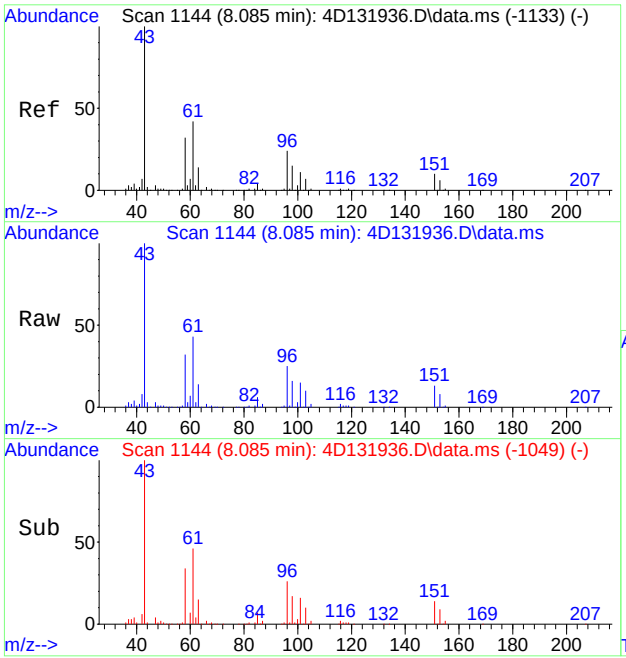


#17
1,1-dichloroethene
Concen: 50.00 ug/L
RT: 8.075 min Scan# 1142
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 96 Resp: 160564

Ion	Ratio	Lower	Upper
96	100		
61	179.0	149.0	209.0
63	56.1	26.1	86.1

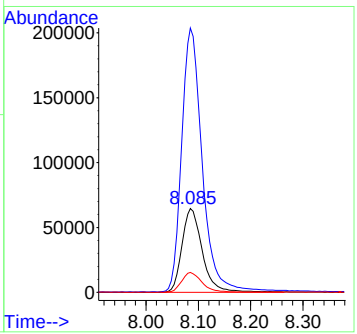


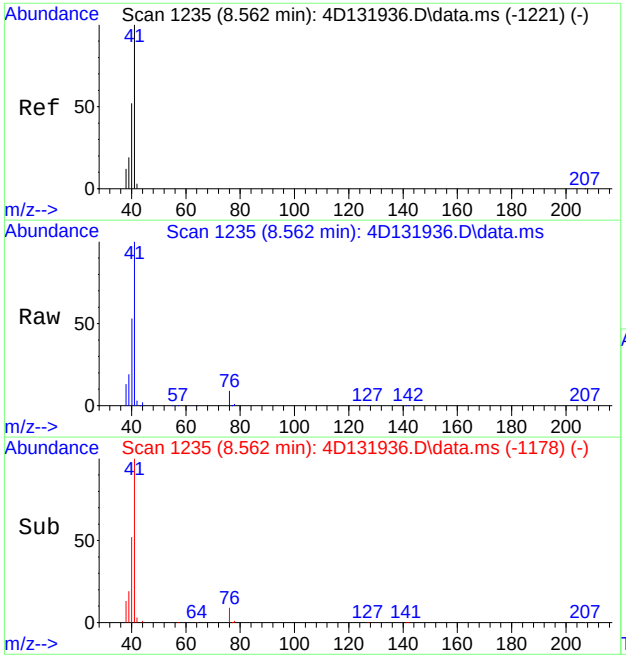


#18
acetone
Concen: 200.00 ug/L
RT: 8.085 min Scan# 1144
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 58 Resp: 175573

Ion	Ratio	Lower	Upper
58	100		
43	315.1	285.1	345.1
42	23.5	0.0	53.5

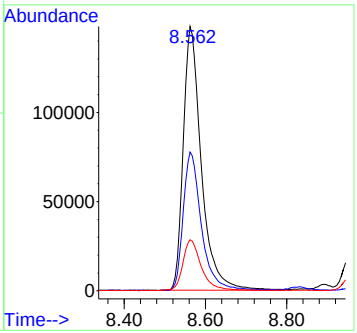


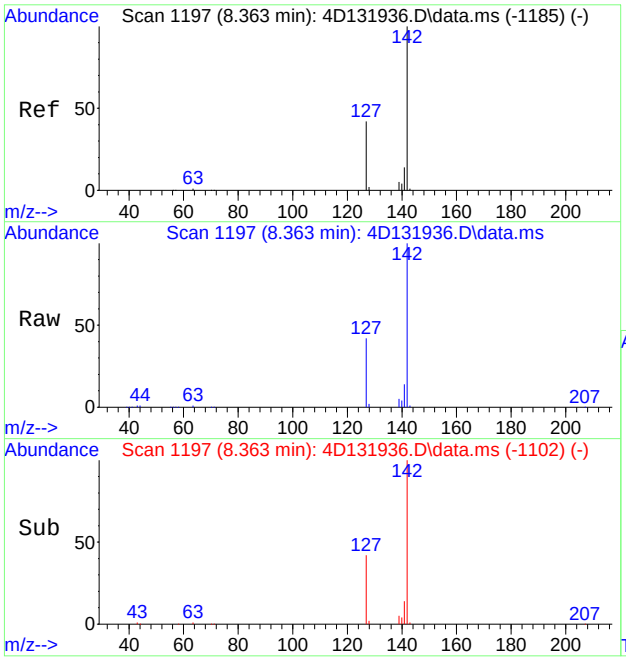


#19
acetonitrile
Concen: 500.00 ug/L
RT: 8.562 min Scan# 1235
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 41 Resp: 460416

Ion	Ratio	Lower	Upper
41	100		
40	52.4	22.4	82.4
39	19.2	0.0	49.2

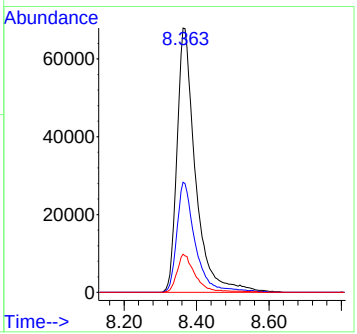


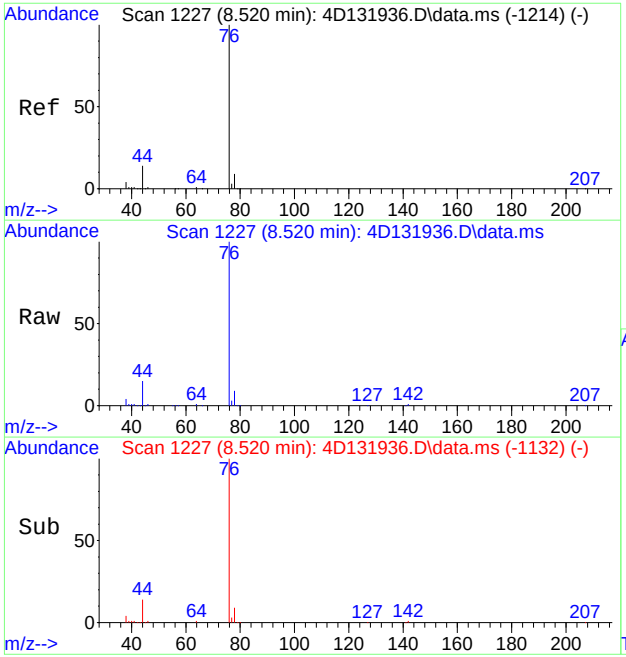


#20
iodomethane
Concen: 50.00 ug/L
RT: 8.363 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:142 Resp: 240476

Ion	Ratio	Lower	Upper
142	100		
127	41.7	11.7	71.7
141	14.4	0.0	44.4

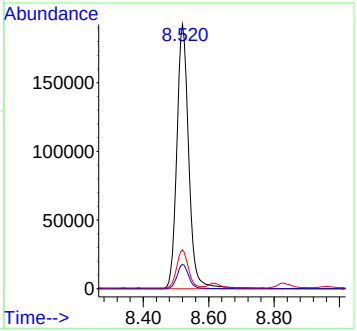


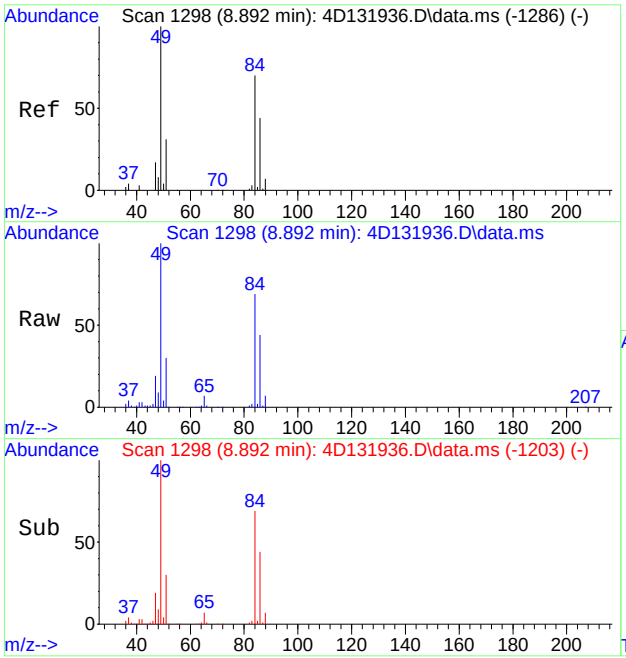


#21
carbon disulfide
Concen: 50.00 ug/L
RT: 8.520 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 76 Resp: 486951

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	39.2
44	14.4	0.0	44.4

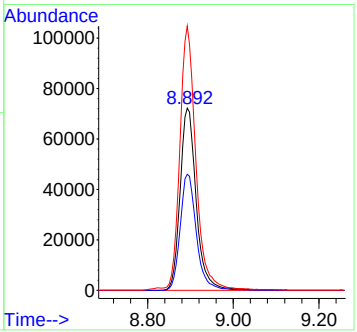


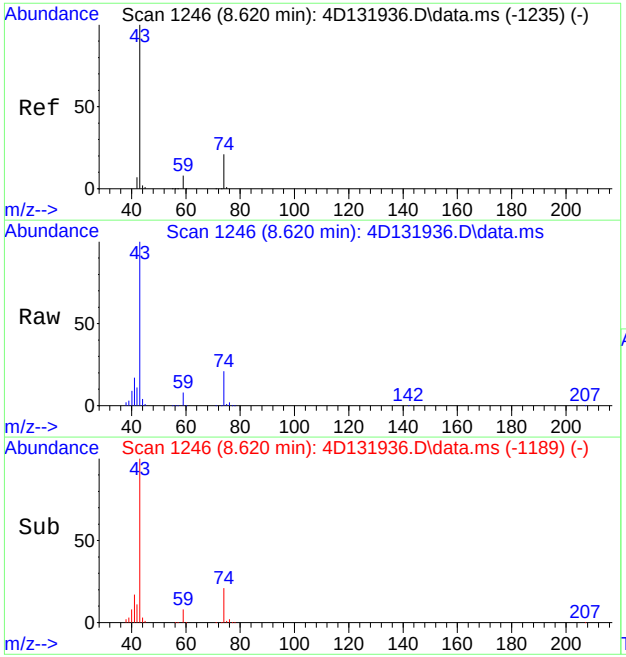


#22
methylene chloride
Concen: 50.00 ug/L
RT: 8.892 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 84 Resp: 190432

Ion	Ratio	Lower	Upper
84	100		
86	63.7	33.7	93.7
49	144.9	114.9	174.9

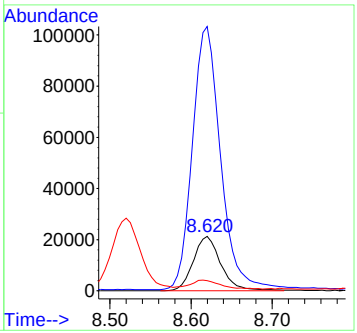


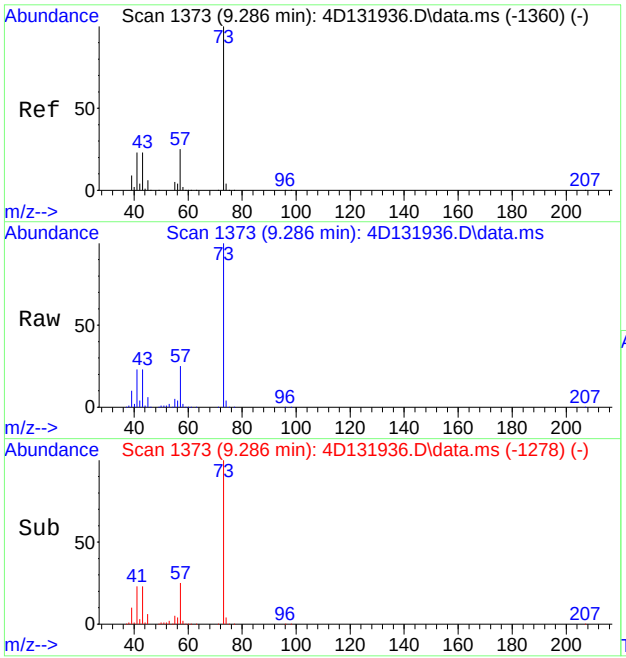


#23
methyl acetate
Concen: 50.00 ug/L
RT: 8.620 min Scan# 1246
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 74 Resp: 50375

Ion	Ratio	Lower	Upper
74	100		
43	483.1	453.1	513.1
44	15.1	0.0	45.1

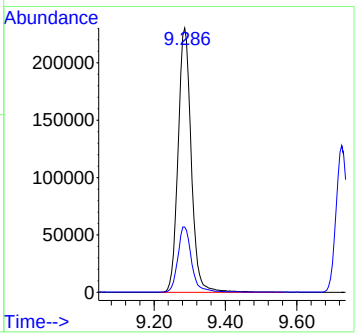


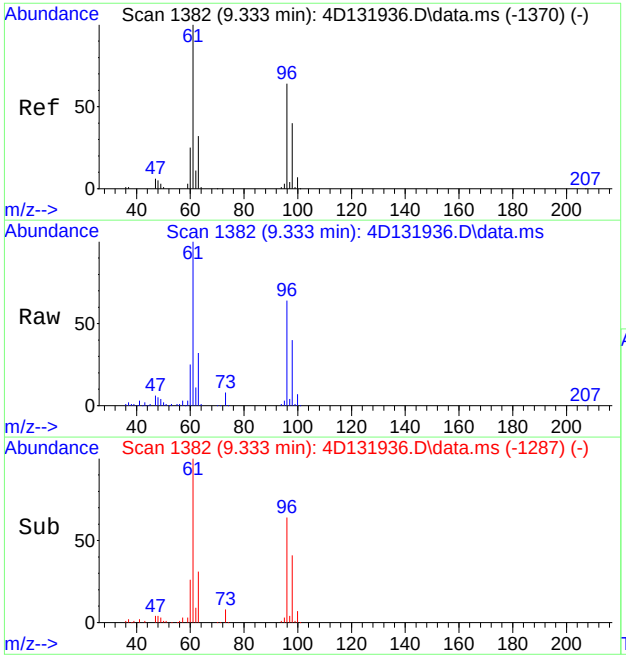


#24
methyl tert butyl ether
Concen: 50.00 ug/L
RT: 9.286 min Scan# 1373
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 73 Resp: 590026

Ion	Ratio	Lower	Upper
73	100		
57	24.6	0.0	224.6

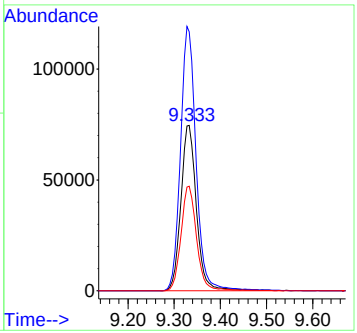


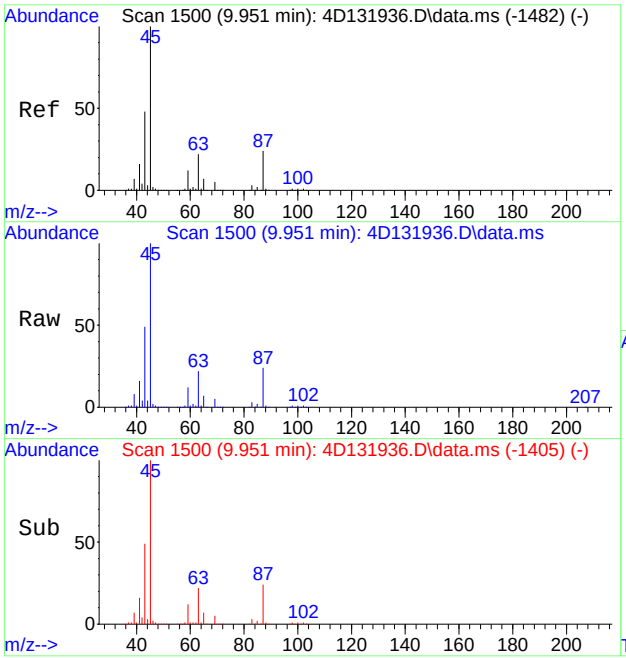


#25
trans-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 9.333 min Scan# 1382
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 96 Resp: 176237

Ion	Ratio	Lower	Upper
96	100		
61	156.5	126.5	186.5
98	63.3	33.3	93.3

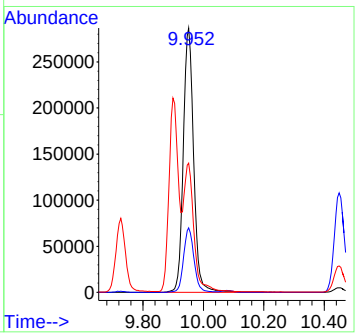


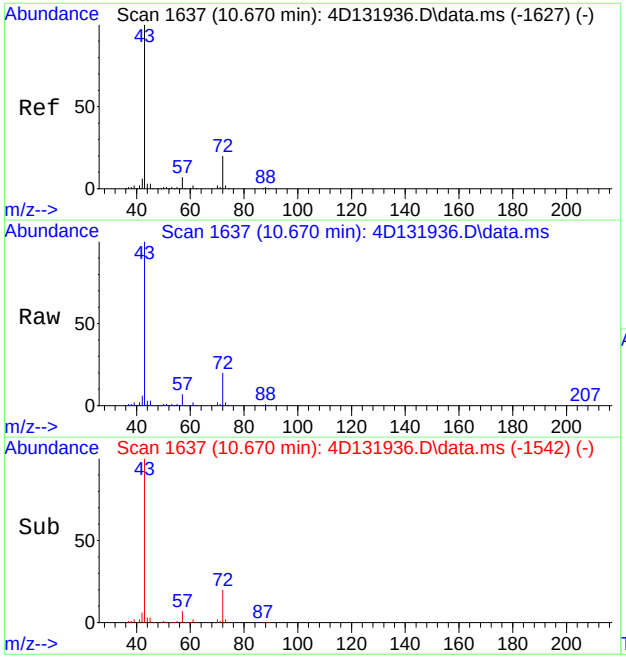


#26
di-isopropyl ether
Concen: 50.00 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 45 Resp: 684037

Ion	Ratio	Lower	Upper
45	100		
87	24.4	0.0	54.4
43	48.8	18.8	78.8

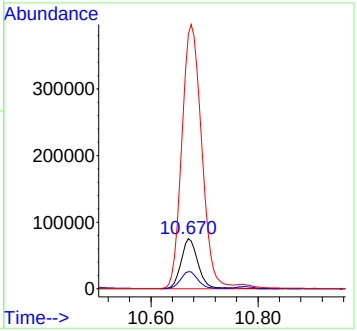


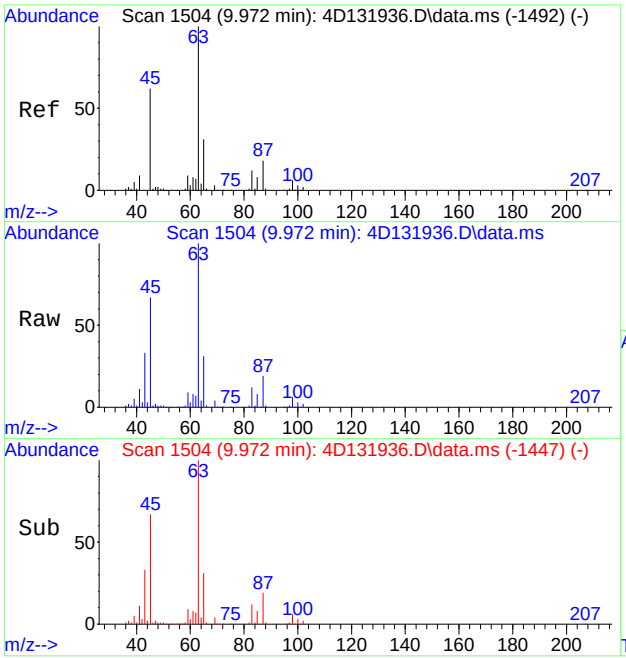


#27
2-butanone
Concen: 200.00 ug/L
RT: 10.670 min Scan# 1637
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 72 Resp: 167340

Ion	Ratio	Lower	Upper
72	100		
57	33.7	3.7	63.7
43	505.8	475.8	535.8

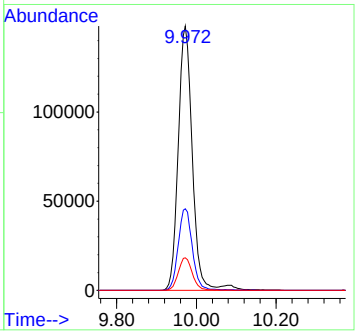


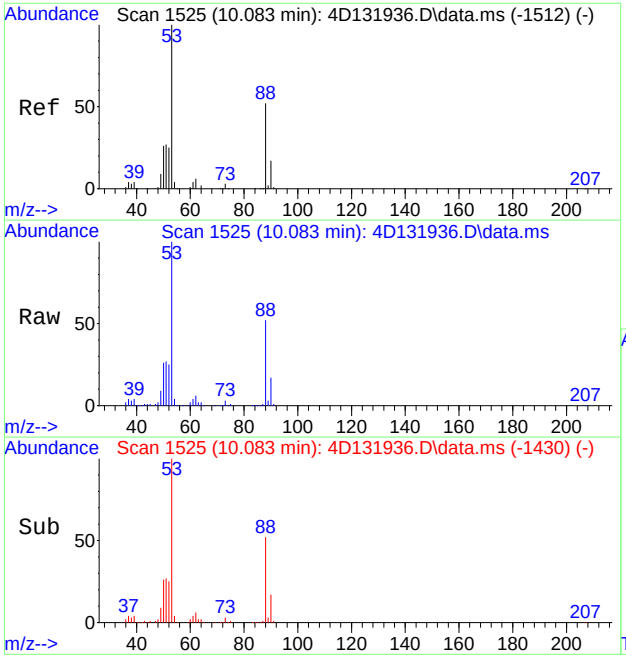


#28
1,1-dichloroethane
Concen: 50.00 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 63 Resp: 363986

Ion	Ratio	Lower	Upper
63	100		
65	30.9	0.9	60.9
83	12.3	0.0	42.3

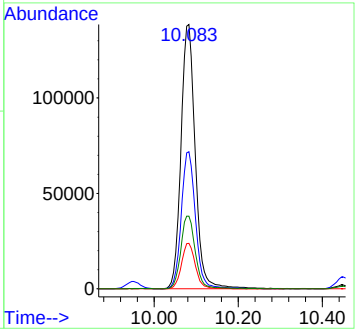


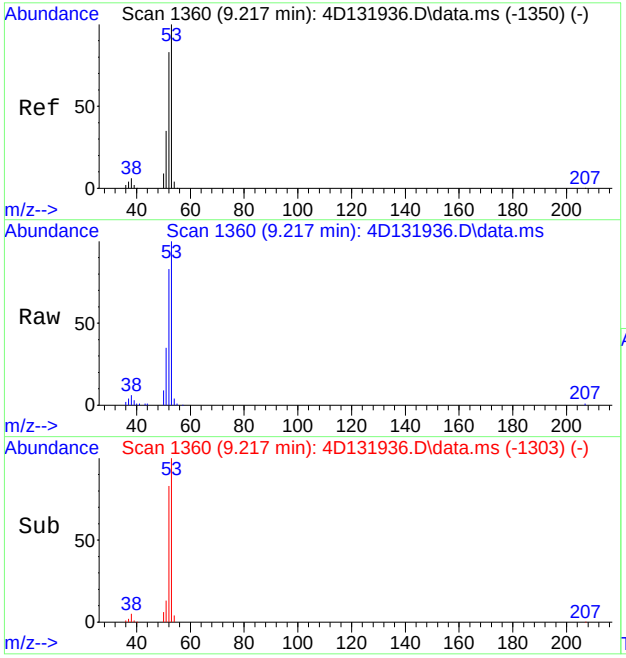


#29
chloroprene
Concen: 50.00 ug/L
RT: 10.083 min Scan# 1525
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 53 Resp: 326769

Ion	Ratio	Lower	Upper
53	100		
88	51.8	21.8	81.8
90	17.2	0.0	47.2
51	27.5	0.0	57.5

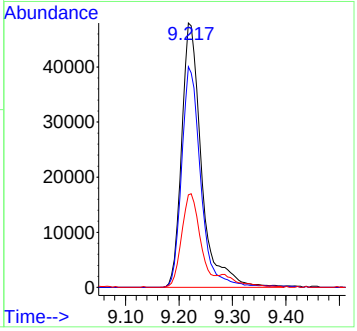


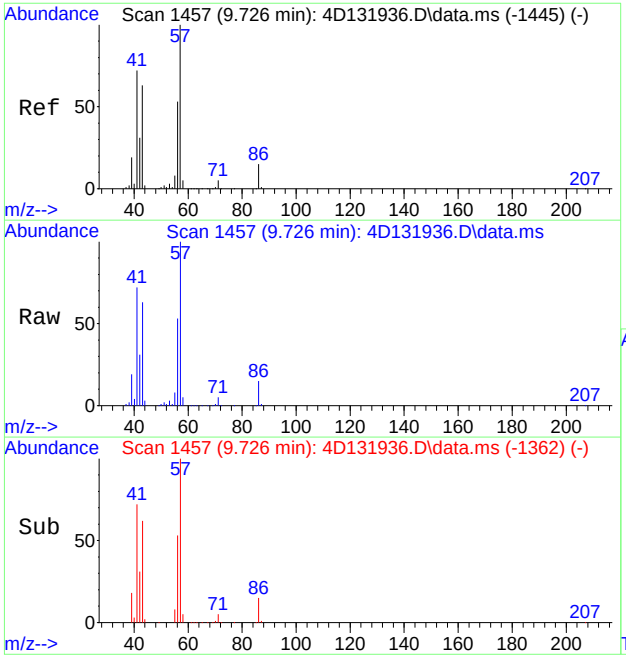


#30
acrylonitrile
Concen: 50.00 ug/L
RT: 9.217 min Scan# 1360
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 53 Resp: 124887

Ion	Ratio	Lower	Upper
53	100		
52	83.4	53.4	113.4
51	35.0	5.0	65.0

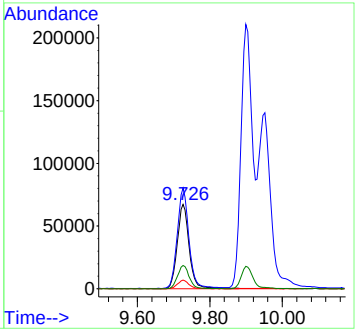


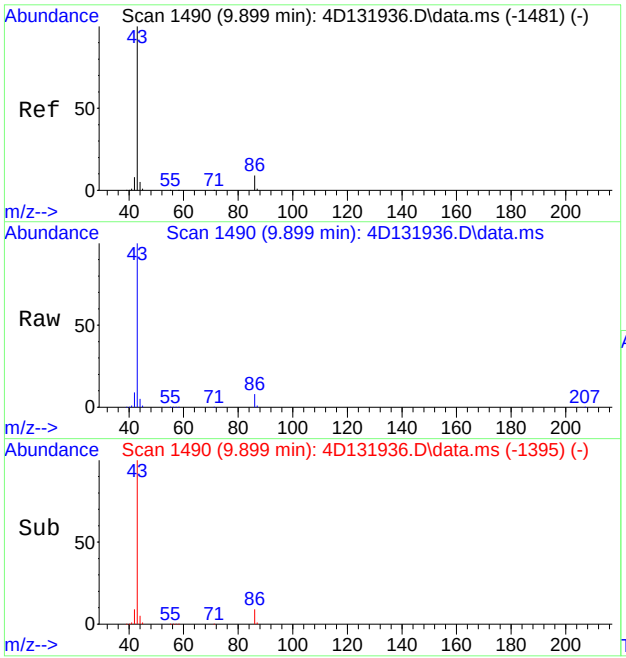


#31
hexane
Concen: 50.00 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 56 Resp: 155455

Ion	Ratio	Lower	Upper
56	100		
43	118.5	98.5	138.5
71	10.3	0.0	30.3
86	27.7	7.7	47.7

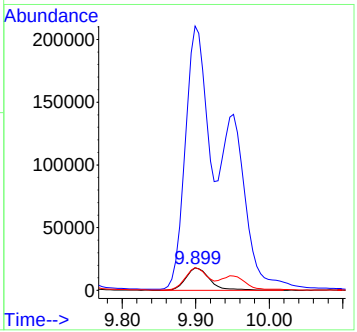


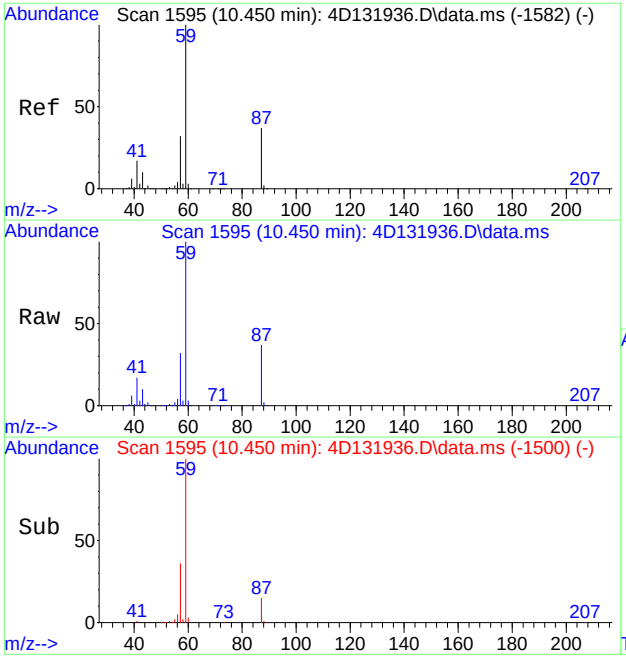


#32
vinyl acetate
Concen: 50.00 ug/L
RT: 9.899 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 86 Resp: 41191

Ion	Ratio	Lower	Upper
86	100		
43	1172.7	1142.7	1202.7
42	99.4	69.4	129.4

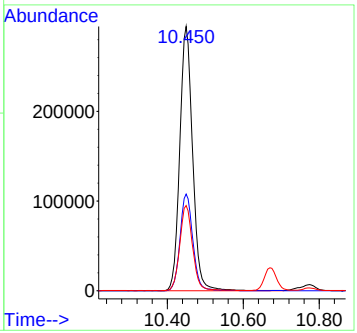


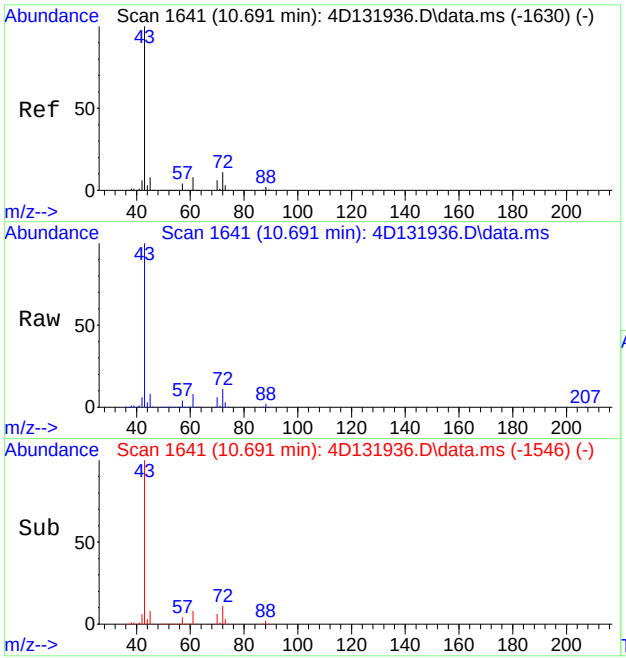


#33
ethyl tert-butyl ether
Concen: 50.00 ug/L
RT: 10.450 min Scan# 1595
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 59 Resp: 695265

Ion	Ratio	Lower	Upper
59	100		
87	36.6	6.6	66.6
57	32.2	2.2	62.2

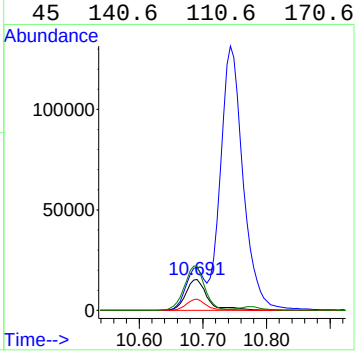


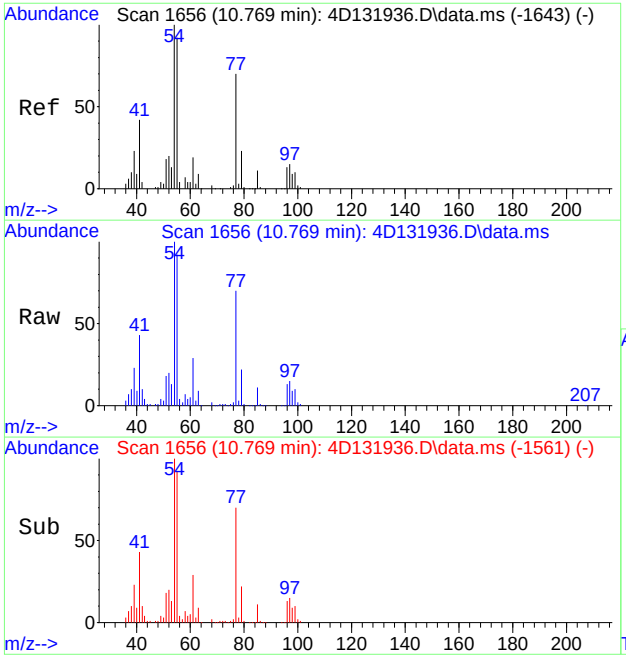


#34
ethyl acetate
Concen: 50.00 ug/L
RT: 10.691 min Scan# 1641
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 70 Resp: 36940

Ion	Ratio	Lower	Upper
70	100		
61	138.4	108.4	168.4
88	35.9	5.9	65.9
45	140.6	110.6	170.6

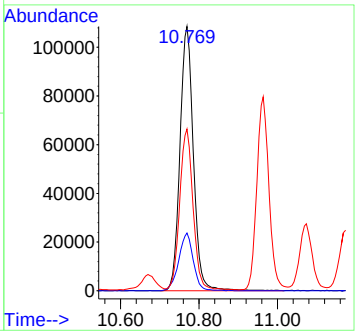


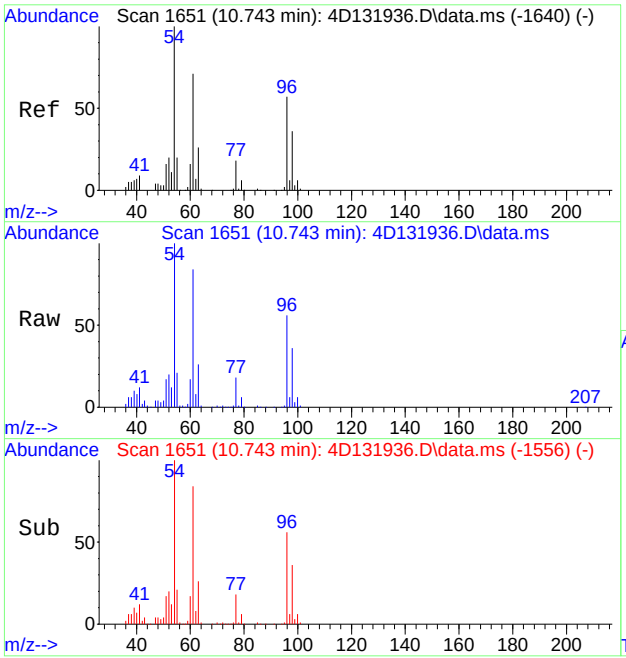


#35
2,2-dichloropropane
Concen: 50.00 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 77 Resp: 258499

Ion	Ratio	Lower	Upper
77	100		
97	21.9	0.0	51.9
41	59.6	29.6	89.6

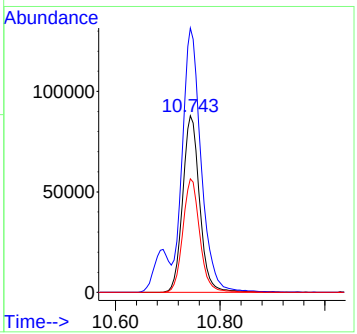


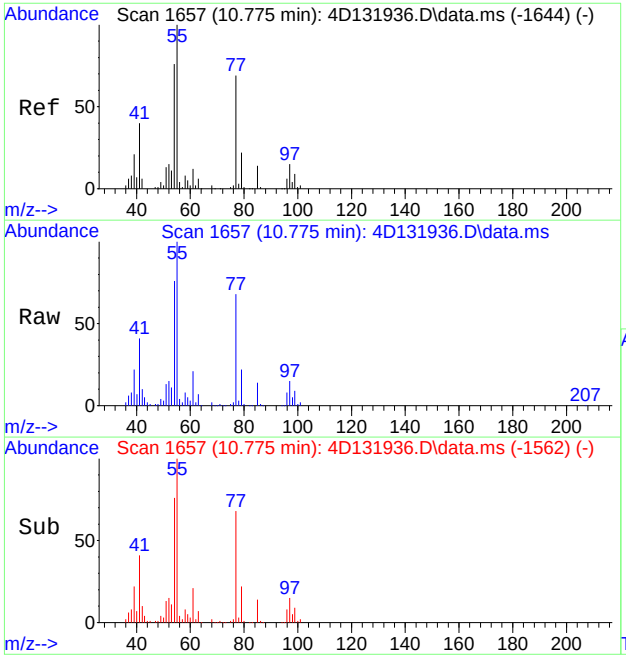


#36
cis-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 96 Resp: 198443

Ion	Ratio	Lower	Upper
96	100		
61	149.6	119.6	179.6
98	64.3	34.3	94.3

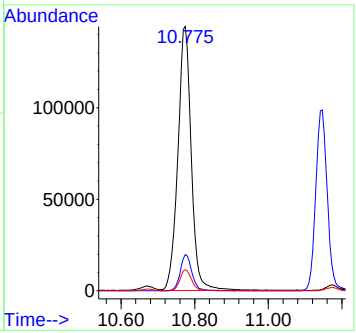


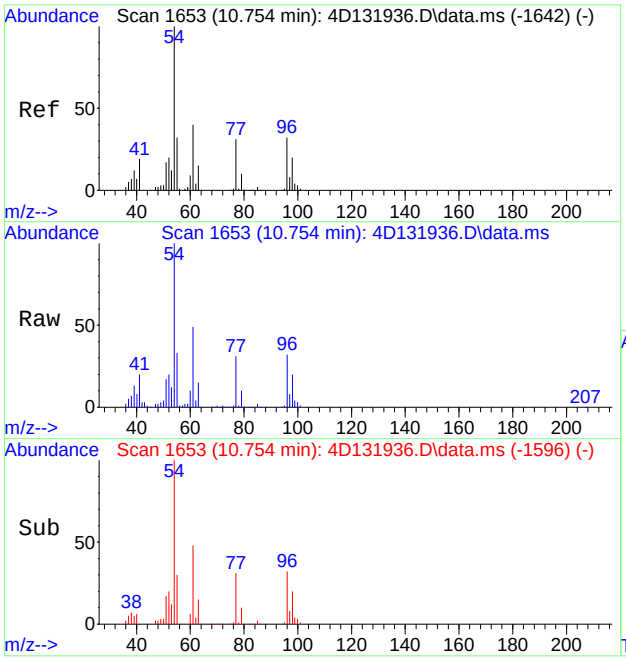


#37
methyl acrylate
Concen: 50.00 ug/L
RT: 10.775 min Scan# 1657
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 55 Resp: 364663

Ion	Ratio	Lower	Upper
55	100		
85	13.7	0.0	43.7
58	8.0	0.0	38.0

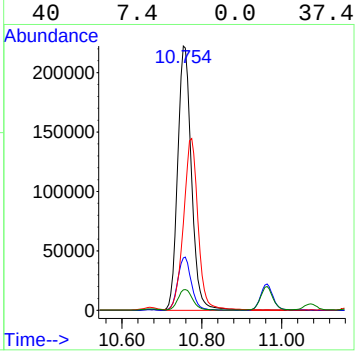


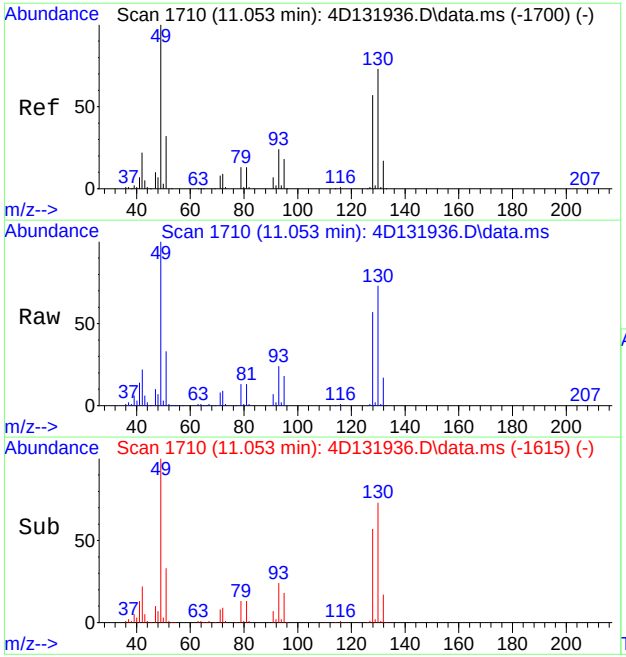


#38
propionitrile
Concen: 500.00 ug/L
RT: 10.754 min Scan# 1653
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 54 Resp: 533212

Ion	Ratio	Lower	Upper
54	100		
52	19.8	0.0	49.8
55	32.6	2.6	62.6
40	7.4	0.0	37.4

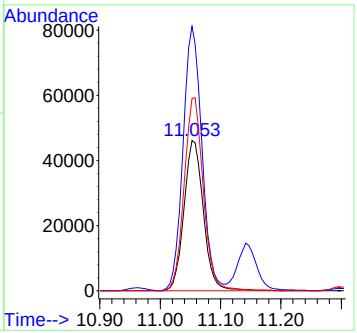


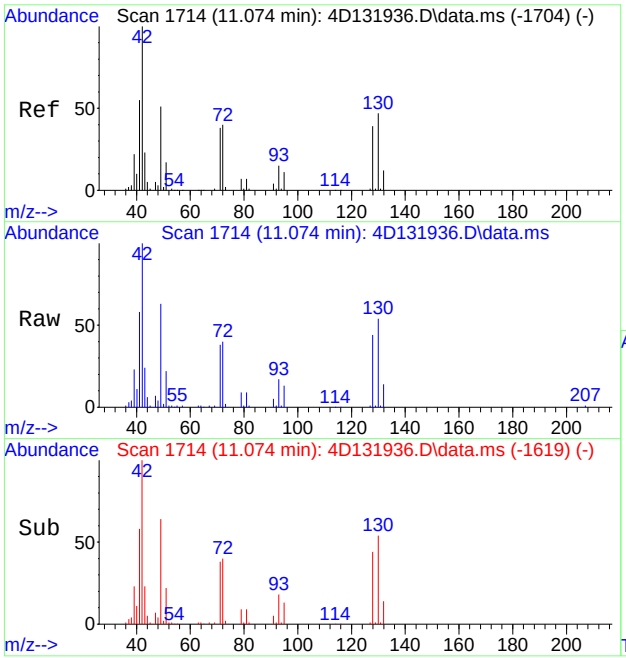


#39
bromochloromethane
Concen: 50.00 ug/L
RT: 11.053 min Scan# 1710
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:128 Resp: 103153

Ion	Ratio	Lower	Upper
128	100		
49	175.9	145.9	205.9
130	127.8	97.8	157.8

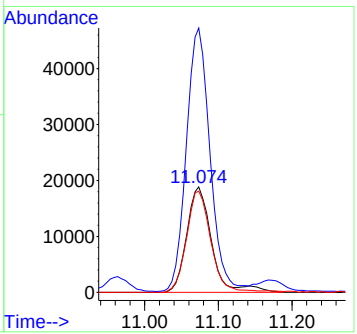


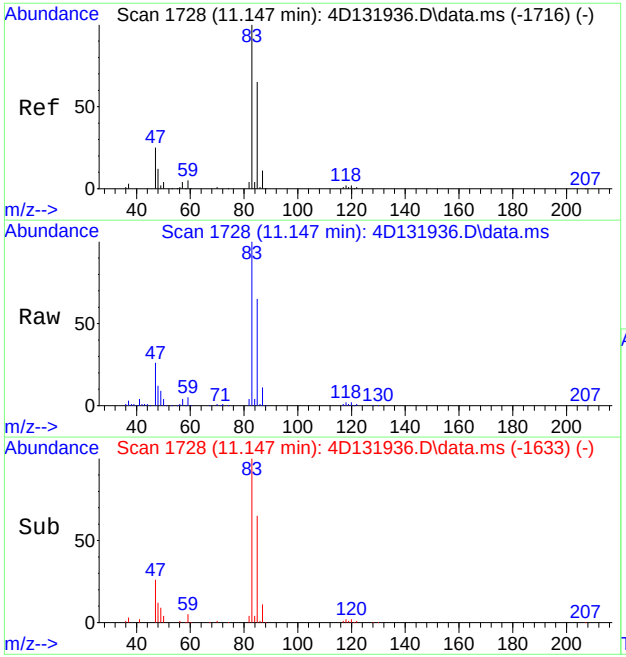


#40
tetrahydrofuran
Concen: 50.00 ug/L
RT: 11.074 min Scan# 1714
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 72 Resp: 44400

Ion	Ratio	Lower	Upper
72	100		
42	249.9	219.9	279.9
71	96.1	66.1	126.1

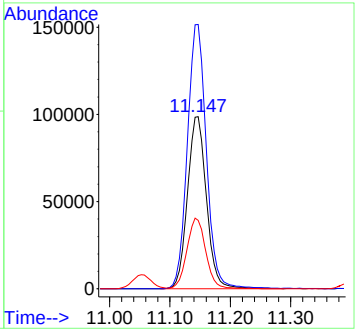


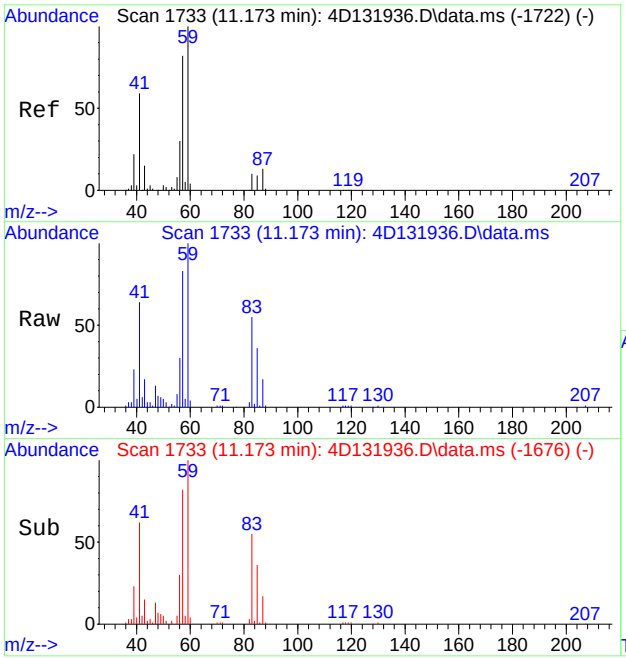


#41
chloroform
Concen: 50.00 ug/L
RT: 11.147 min Scan# 1728
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 85 Resp: 216148

Ion	Ratio	Lower	Upper
85	100		
83	153.5	123.5	183.5
47	39.8	9.8	69.8

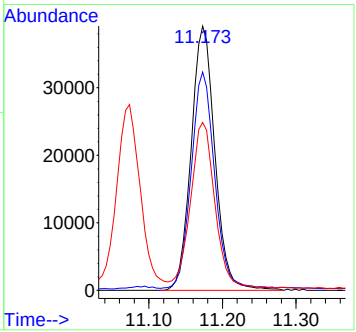


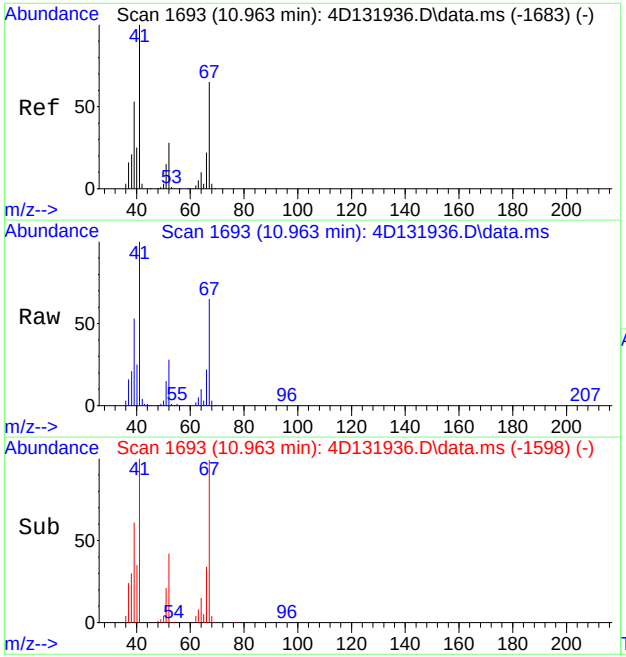


#42
t-butyl formate
Concen: 50.00 ug/L
RT: 11.173 min Scan# 1733
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 59 Resp: 87904

Ion	Ratio	Lower	Upper
59	100		
57	81.8	51.8	111.8
41	62.4	32.4	92.4

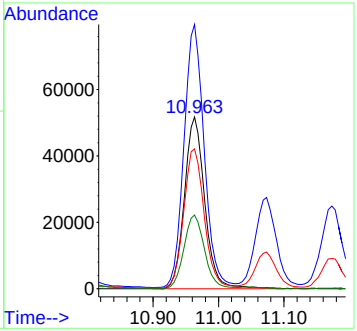


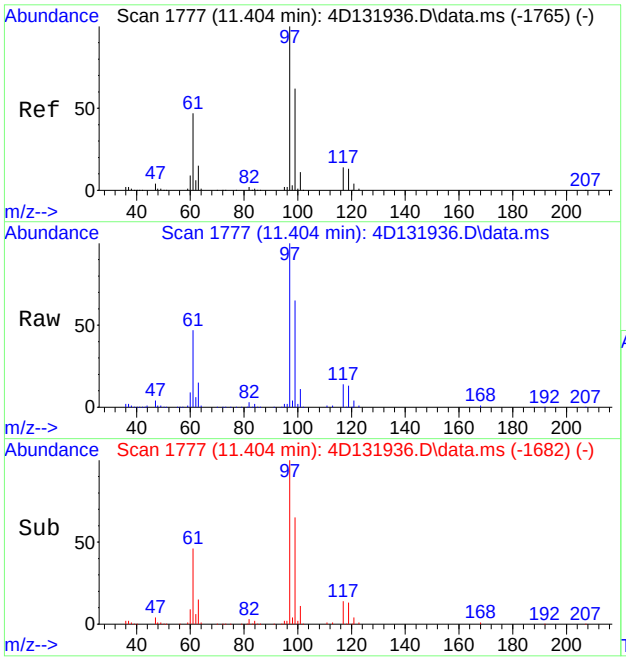


#44
methacrylonitrile
Concen: 50.00 ug/L
RT: 10.963 min Scan# 1693
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 67 Resp: 112043

Ion	Ratio	Lower	Upper
67	100		
41	153.0	123.0	183.0
39	80.9	50.9	110.9
52	42.9	12.9	72.9

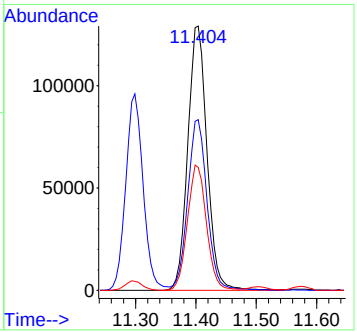


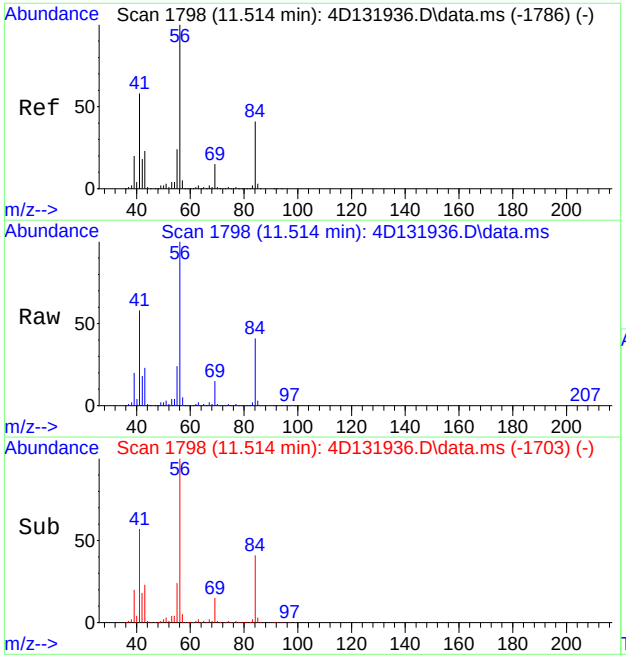


#45
1,1,1-trichloroethane
Concen: 50.00 ug/L
RT: 11.404 min Scan# 1777
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 97 Resp: 285993

Ion	Ratio	Lower	Upper
97	100		
99	64.4	34.4	94.4
61	46.6	16.6	76.6

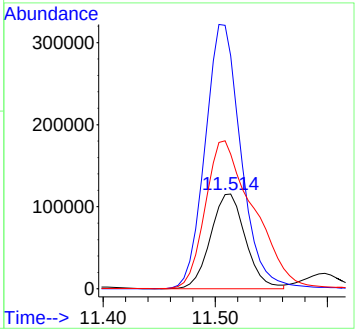


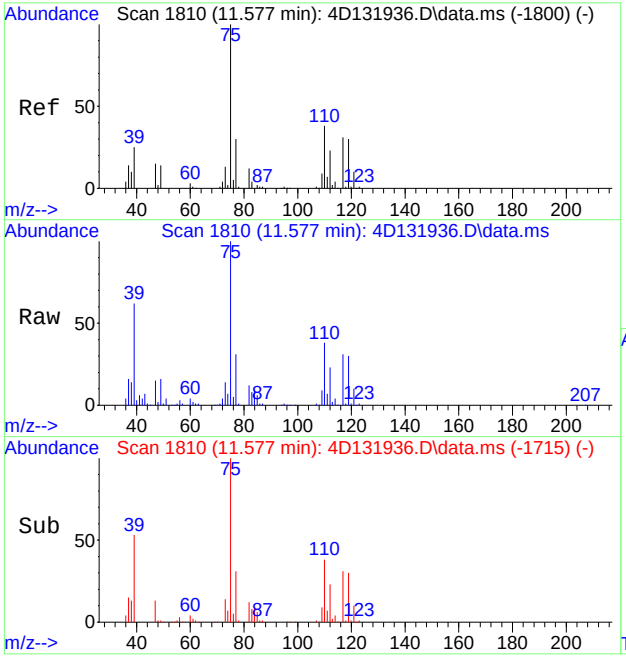


#46
cyclohexane
Concen: 50.00 ug/L
RT: 11.514 min Scan# 1798
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 84 Resp: 252093

Ion	Ratio	Lower	Upper
84	100		
56	245.3	225.3	265.3
41	141.5	121.5	161.5

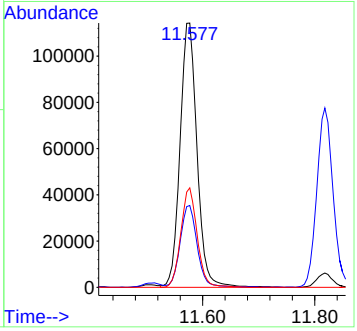


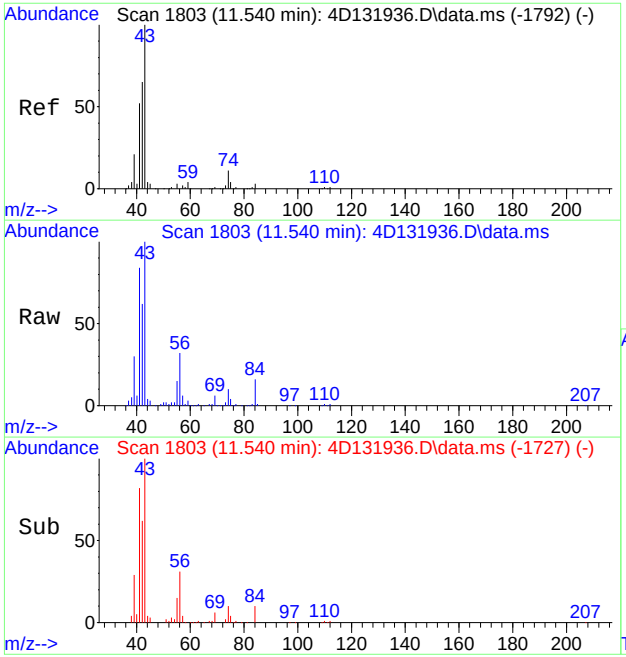


#47
1,1-dichloropropene
Concen: 50.00 ug/L
RT: 11.577 min Scan# 1810
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 75 Resp: 240759

Ion	Ratio	Lower	Upper
75	100		
77	31.0	11.0	51.0
110	37.6	17.6	57.6

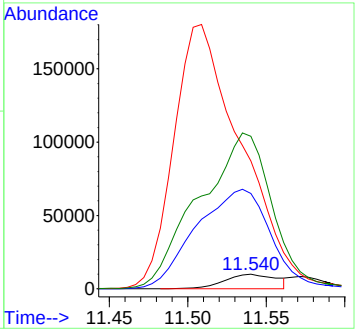


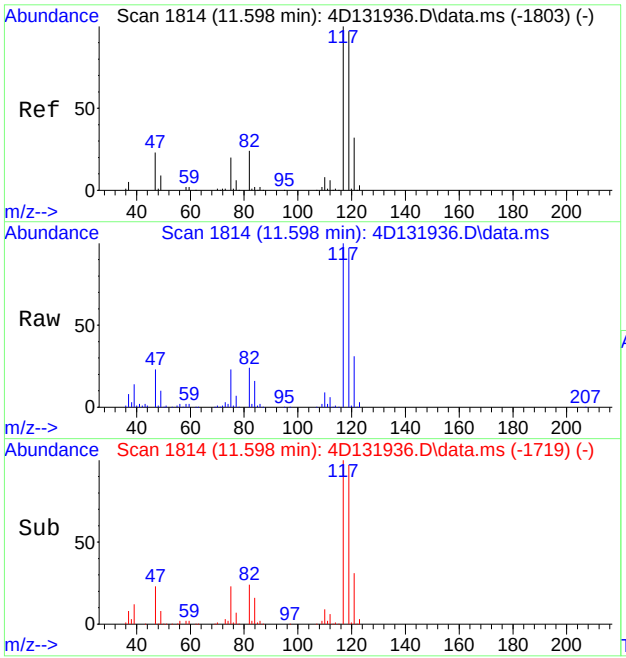


#48
isobutyl alcohol
Concen: 500.00 ug/L
RT: 11.540 min Scan# 1803
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 74 Resp: 23156

Ion	Ratio	Lower	Upper
74	100		
42	576.1	546.1	606.1
41	623.5	593.5	653.5
43	886.3	856.3	916.3

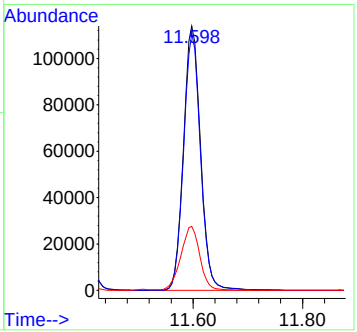


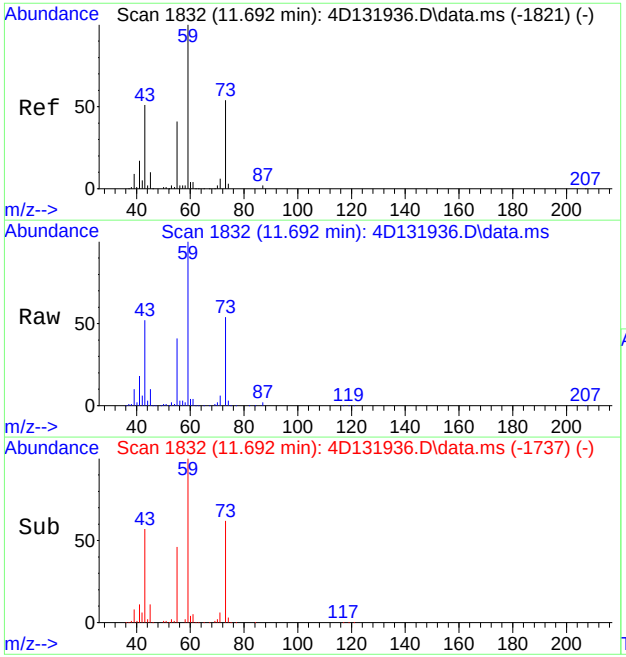


#49
carbon tetrachloride
Concen: 50.00 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:117 Resp: 248056

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.2	117.2
82	24.2	4.2	44.2

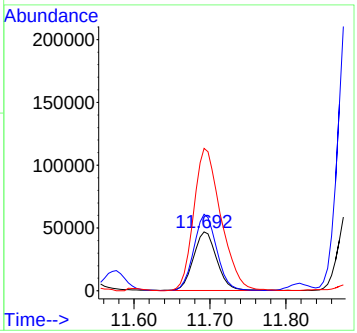


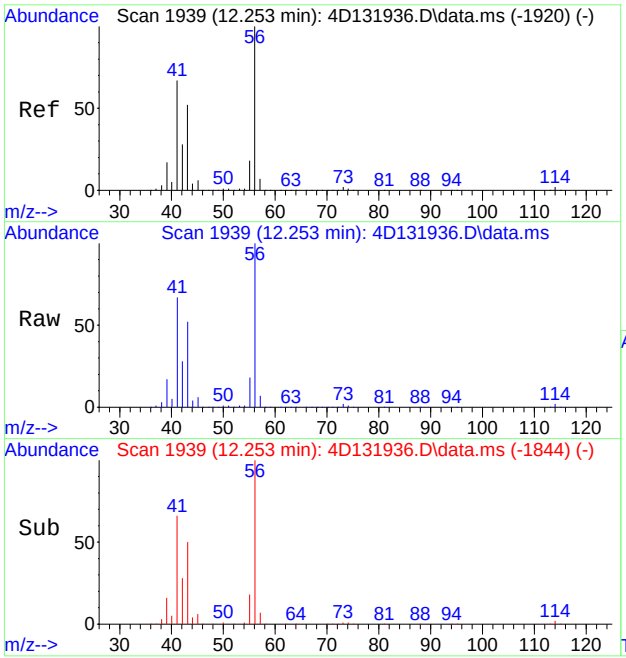


#50
tert amyl alcohol
Concen: 250.00 ug/L
RT: 11.692 min Scan# 1832
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 55 Resp: 100310

Ion	Ratio	Lower	Upper
55	100		
73	130.3	100.3	160.3
59	243.3	213.3	273.3

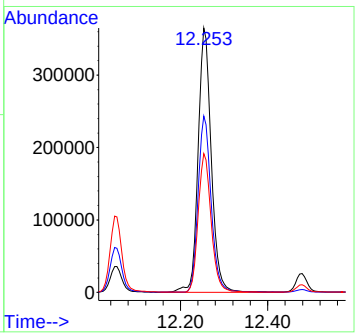


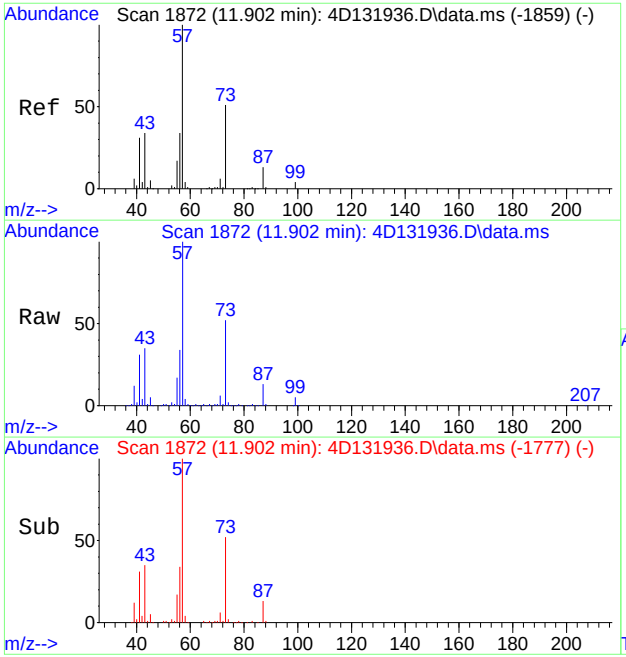


#53
n-butyl alcohol
Concen: 2500.00 ug/L
RT: 12.253 min Scan# 1939
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 56 Resp: 761724

Ion	Ratio	Lower	Upper
56	100		
41	66.6	36.6	96.6
43	52.4	22.4	82.4

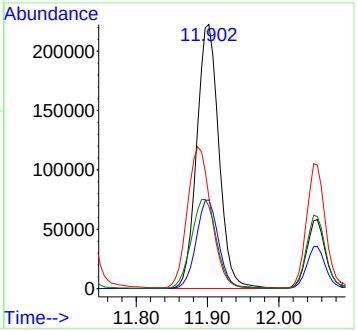


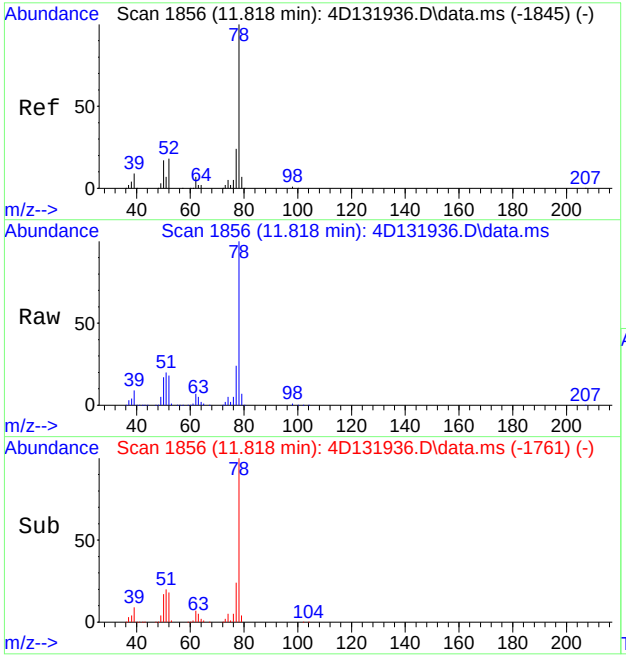


#54
2,2,4-trimethylpentane
Concen: 50.00 ug/L
RT: 11.902 min Scan# 1872
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 57 Resp: 482063

Ion	Ratio	Lower	Upper
57	100		
56	33.6	3.6	63.6
43	34.6	4.6	64.6
41	30.9	0.9	60.9

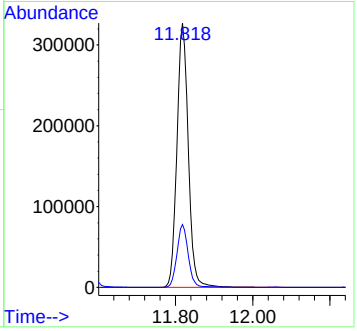


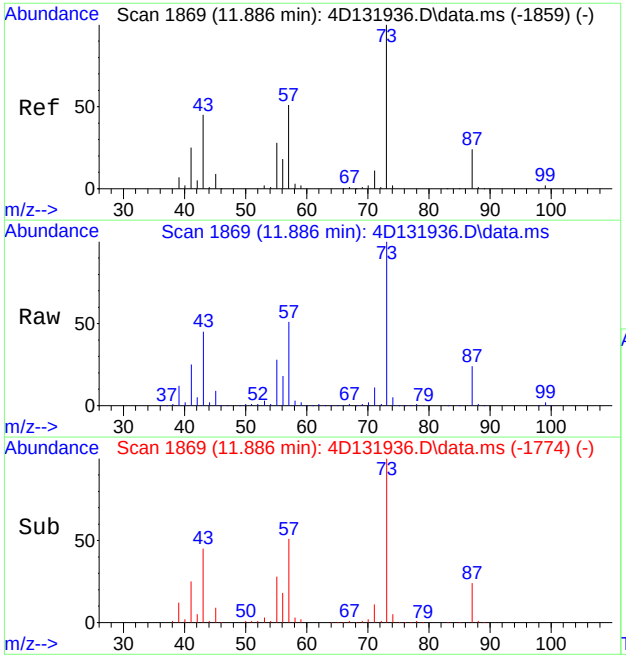


#55
benzene
Concen: 50.00 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 78 Resp: 668102

Ion	Ratio	Lower	Upper
78	100		
77	23.7	0.0	53.7

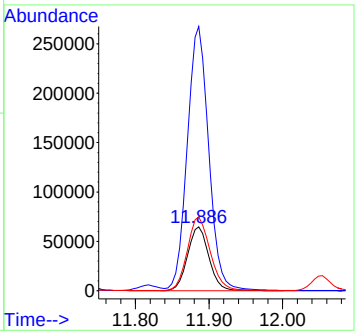


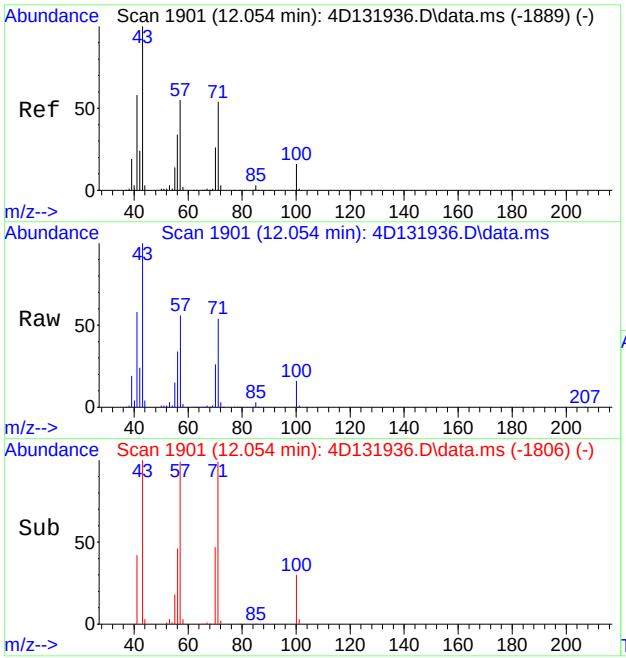


#56
tert-amyl methyl ether
Concen: 50.00 ug/L
RT: 11.886 min Scan# 1869
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 87 Resp: 131060

Ion	Ratio	Lower	Upper
87	100		
73	412.6	382.6	442.6
55	115.4	85.4	145.4

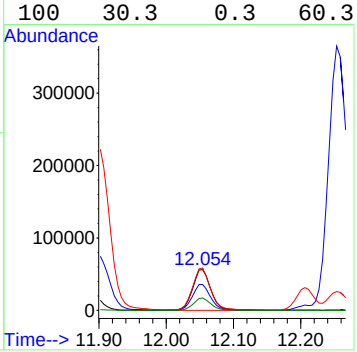


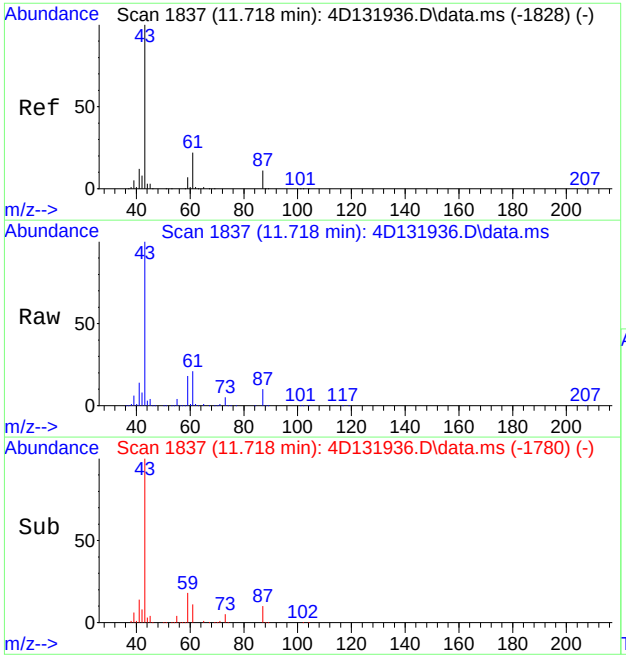


#57
heptane
Concen: 50.00 ug/L
RT: 12.054 min Scan# 1901
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 71 Resp: 106185

Ion	Ratio	Lower	Upper
71	100		
56	63.0	33.0	93.0
57	102.2	72.2	132.2
100	30.3	0.3	60.3

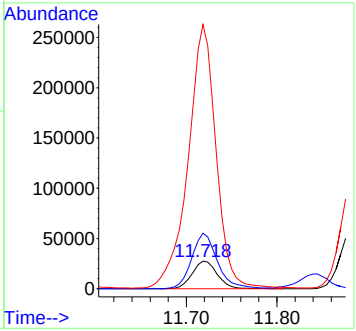


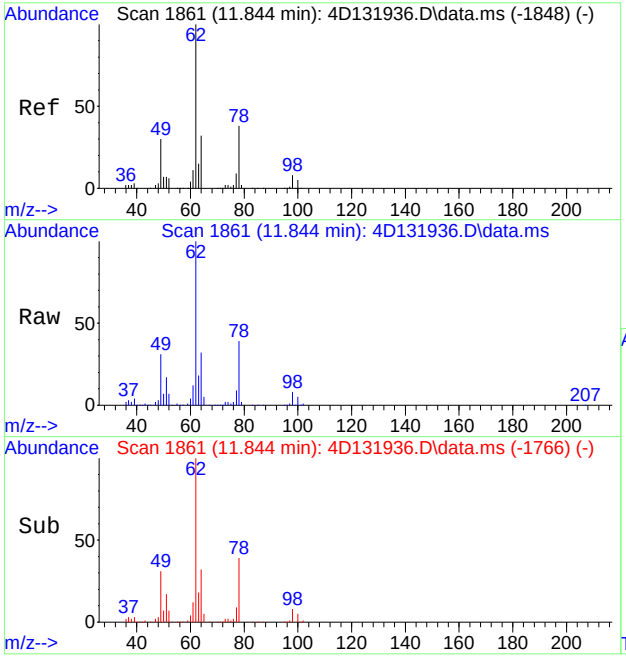


#58
isopropyl acetate
Concen: 50.00 ug/L
RT: 11.718 min Scan# 1837
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 87 Resp: 53243

Ion	Ratio	Lower	Upper
87	100		
61	200.1	170.1	230.1
43	949.0	919.0	979.0

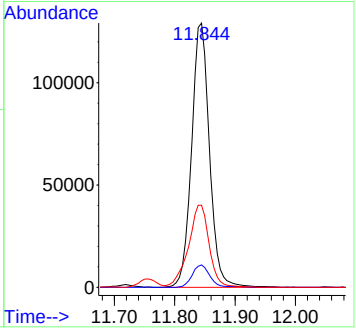


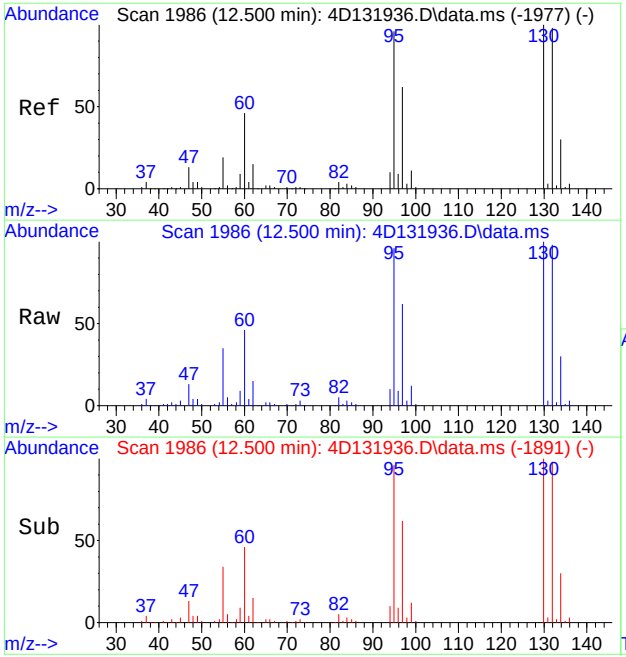


#59
1,2-dichloroethane
Concen: 50.00 ug/L
RT: 11.844 min Scan# 1861
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 62 Resp: 266726

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	38.5
49	31.1	1.1	61.1

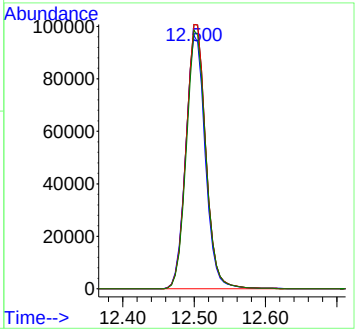


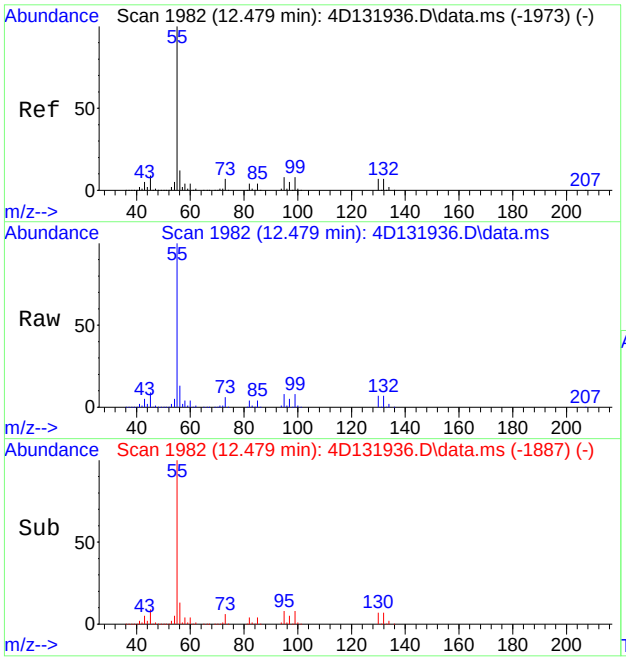


#60
trichloroethene
Concen: 50.00 ug/L
RT: 12.500 min Scan# 1986
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:130 Resp: 193671

Ion	Ratio	Lower	Upper
130	100		
95	95.8	65.8	125.8
130	100.0	70.0	130.0
132	97.8	67.8	127.8

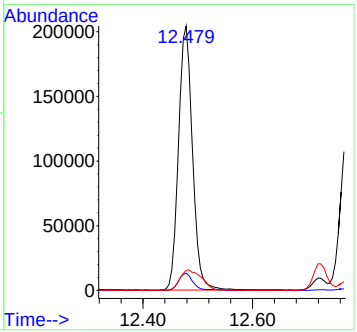


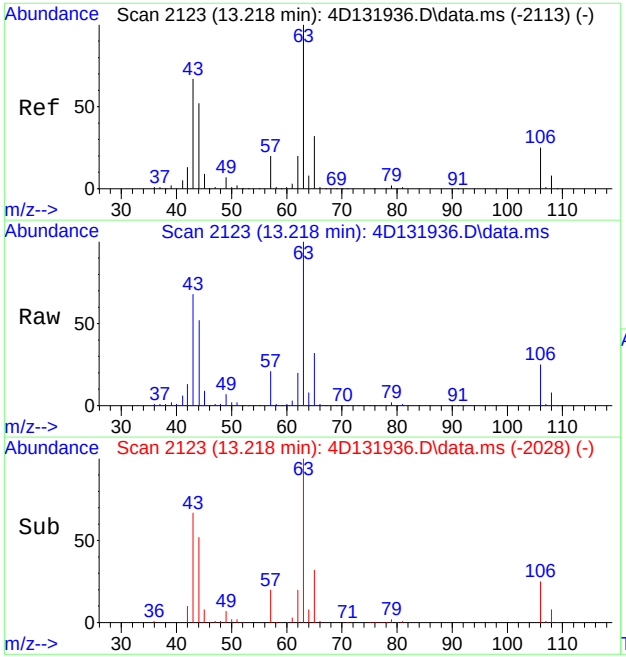


#61
ethyl acrylate
Concen: 50.00 ug/L
RT: 12.479 min Scan# 1982
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 55 Resp: 362139

Ion	Ratio	Lower	Upper
55	100		
73	6.5	0.0	26.5
99	7.5	0.0	27.5

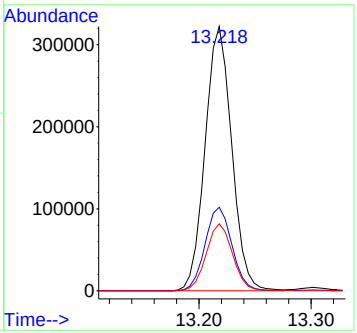


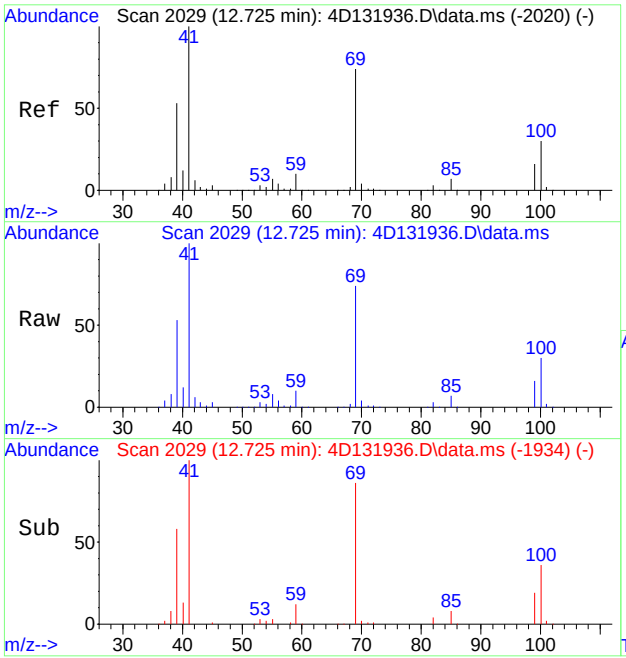


#63
2-chloroethyl vinyl ether
Concen: 250.00 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 63 Resp: 533430

Ion	Ratio	Lower	Upper
63	100		
65	31.7	1.7	61.7
106	25.3	0.0	55.3

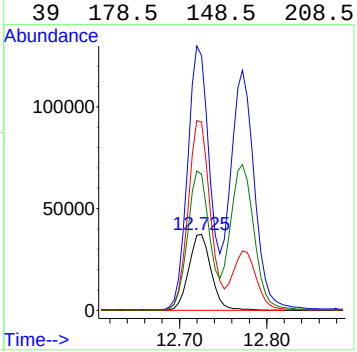


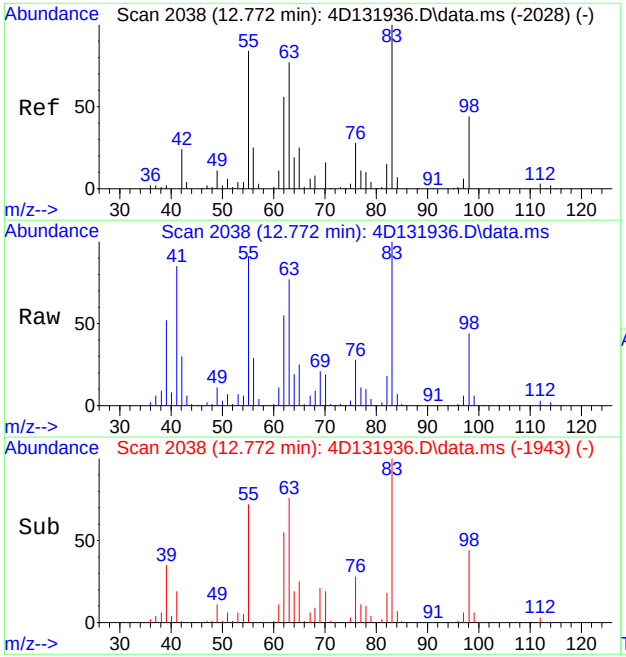


#64
methyl methacrylate
Concen: 50.00 ug/L
RT: 12.725 min Scan# 2029
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:100 Resp: 66720

Ion	Ratio	Lower	Upper
100	100		
41	334.3	304.3	364.3
69	247.8	217.8	277.8
39	178.5	148.5	208.5

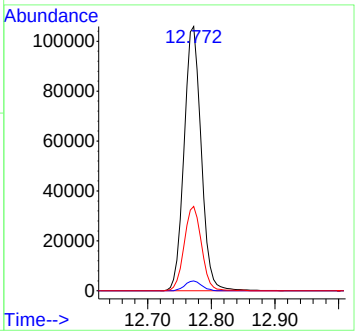


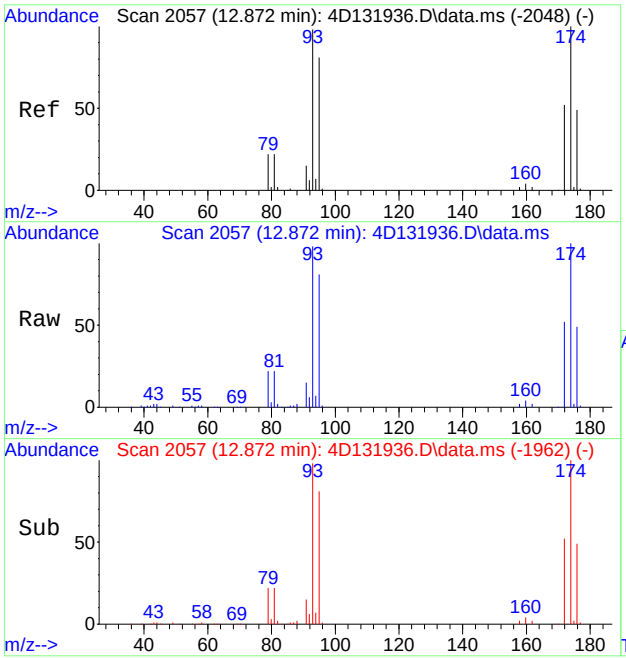


#65
1,2-dichloropropane
Concen: 50.00 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 63 Resp: 197415

Ion	Ratio	Lower	Upper
63	100		
112	3.7	0.0	33.7
65	31.9	1.9	61.9

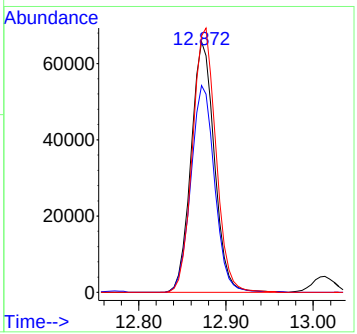


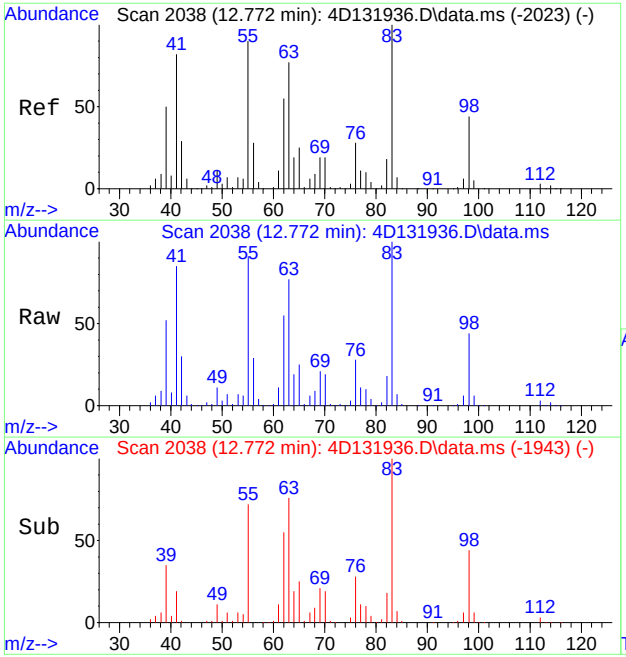


#66
dibromomethane
Concen: 50.00 ug/L
RT: 12.872 min Scan# 2057
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 93 Resp: 122185

Ion	Ratio	Lower	Upper
93	100		
95	82.6	52.6	112.6
174	102.4	72.4	132.4

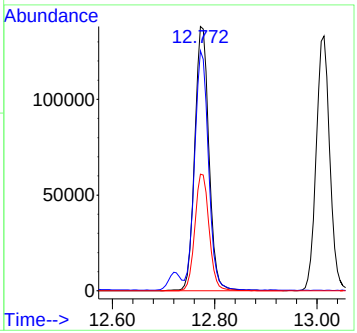


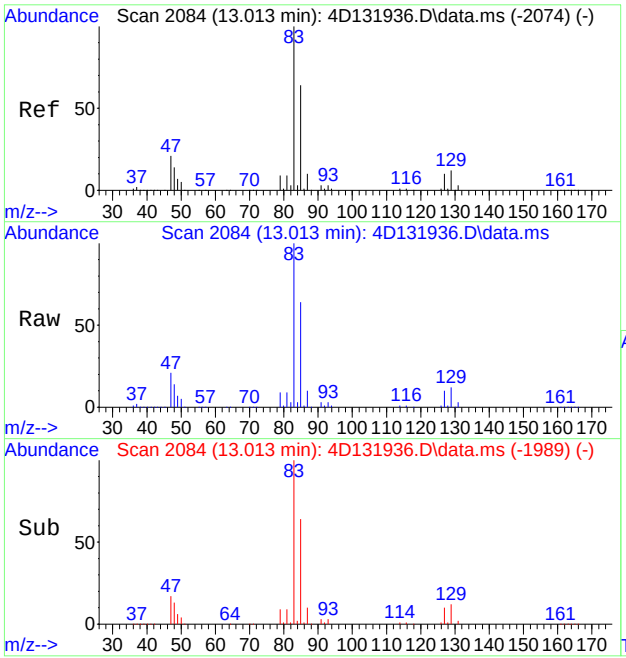


#67
methylcyclohexane
Concen: 50.00 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 83 Resp: 265815

Ion	Ratio	Lower	Upper
83	100		
55	90.5	60.5	120.5
98	44.1	14.1	74.1

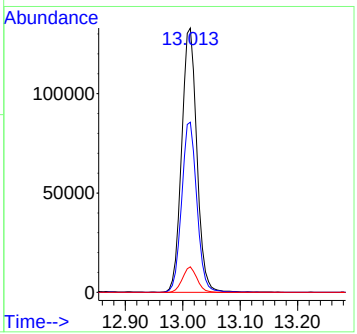


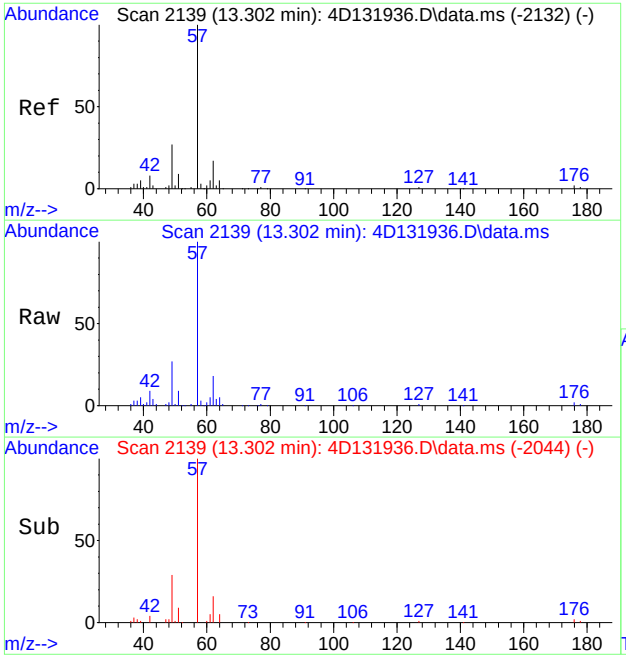


#68
bromodichloromethane
Concen: 50.00 ug/L
RT: 13.013 min Scan# 2084
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 83 Resp: 245730

Ion	Ratio	Lower	Upper
83	100		
85	64.4	34.4	94.4
127	9.7	0.0	39.7

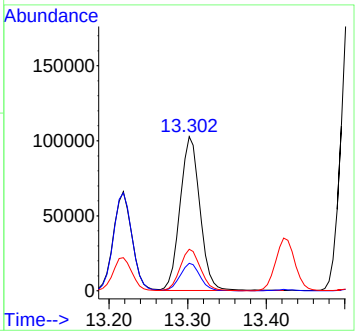


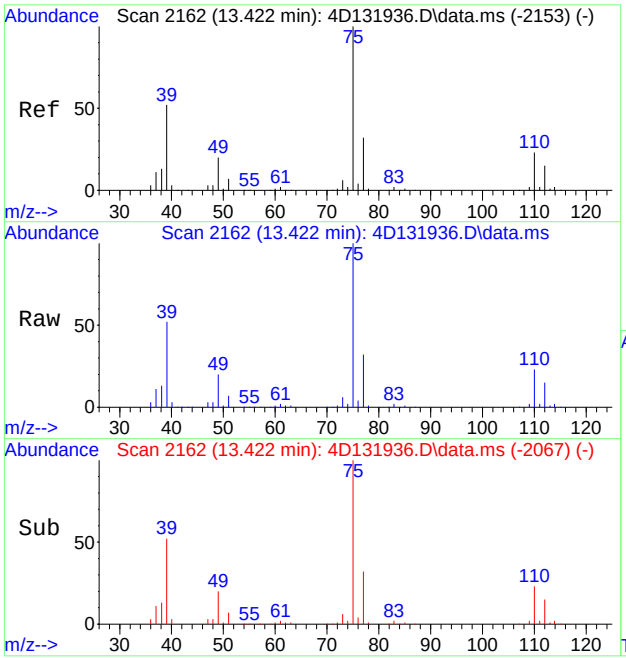


#69
epichlorohydrin
Concen: 250.00 ug/L
RT: 13.302 min Scan# 2139
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 57 Resp: 179684

Ion	Ratio	Lower	Upper
57	100		
62	17.4	0.0	37.4
49	26.8	6.8	46.8

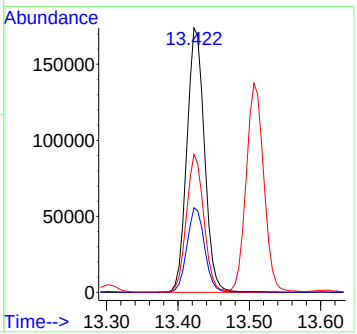


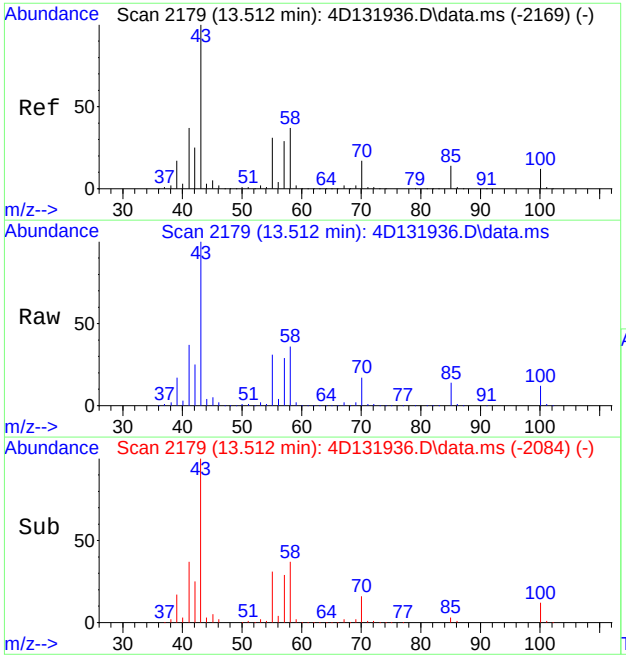


#70
cis-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 13.422 min Scan# 2162
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 75 Resp: 299146

Ion	Ratio	Lower	Upper
75	100		
77	31.9	1.9	61.9
39	52.1	22.1	82.1

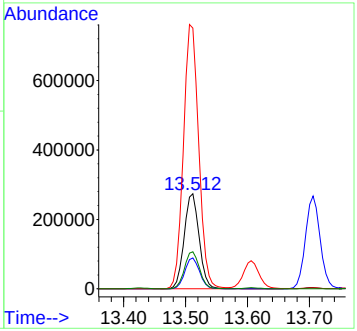


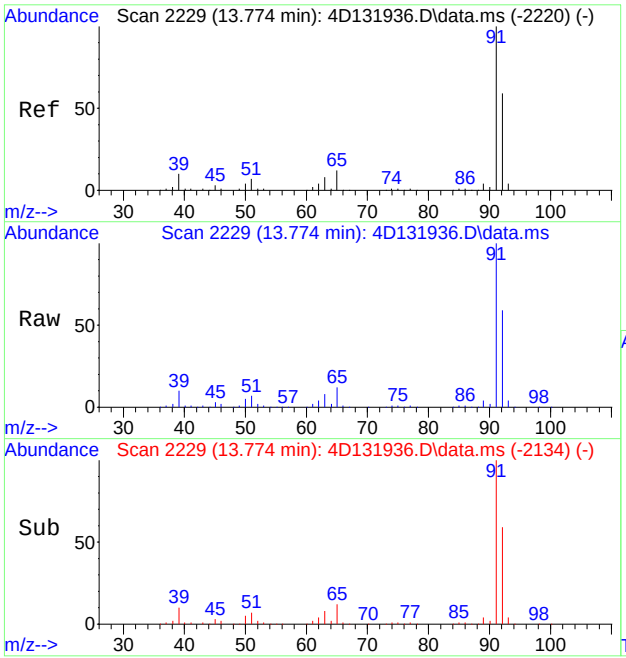


#71
4-methyl-2-pentanone
Concen: 200.00 ug/L
RT: 13.512 min Scan# 2179
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 58 Resp: 460155

Ion	Ratio	Lower	Upper
58	100		
100	32.6	2.6	62.6
43	274.0	244.0	304.0
85	38.9	8.9	68.9

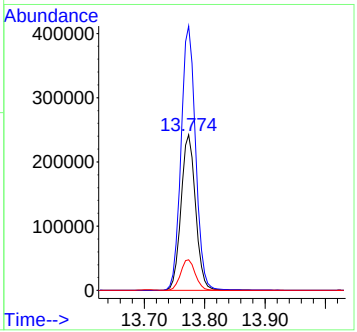


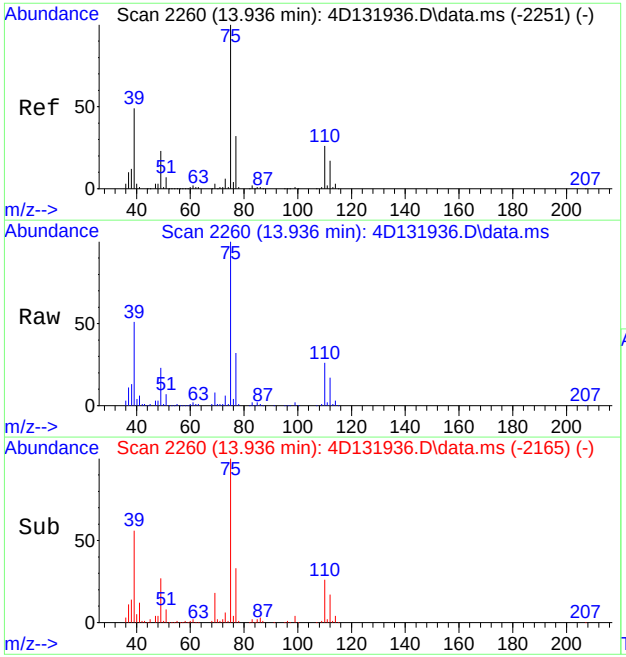


#75
toluene
Concen: 50.00 ug/L
RT: 13.774 min Scan# 2229
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 92 Resp: 406494

Ion	Ratio	Lower	Upper
92	100		
91	170.1	150.1	190.1
65	19.8	0.0	39.8

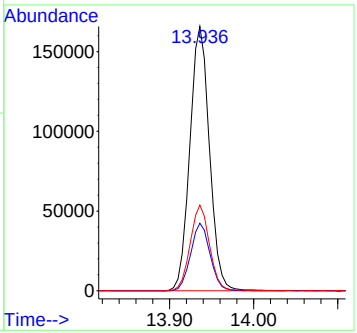


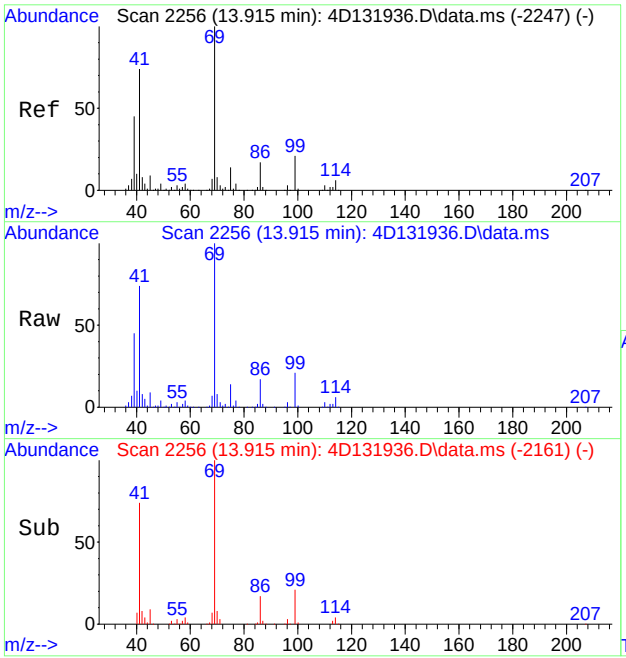


#76
trans-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 75 Resp: 268063

Ion	Ratio	Lower	Upper
75	100		
110	25.6	5.6	45.6
77	32.5	12.5	52.5

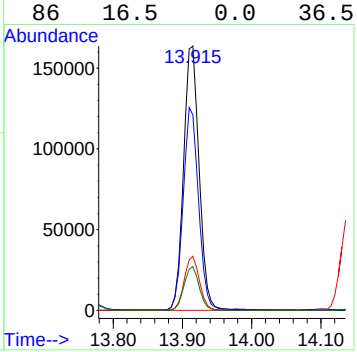


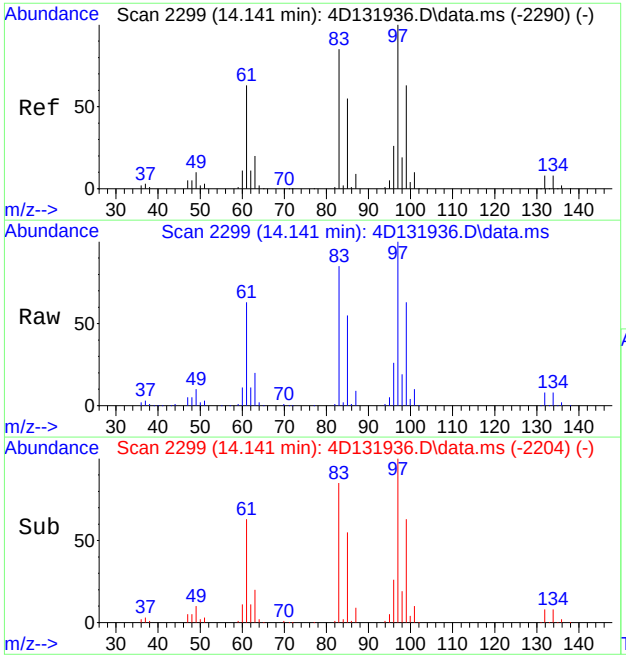


#77
ethyl methacrylate
Concen: 50.00 ug/L
RT: 13.915 min Scan# 2256
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 69 Resp: 256719

Ion	Ratio	Lower	Upper
69	100		
41	73.7	53.7	93.7
99	20.5	0.5	40.5
86	16.5	0.0	36.5

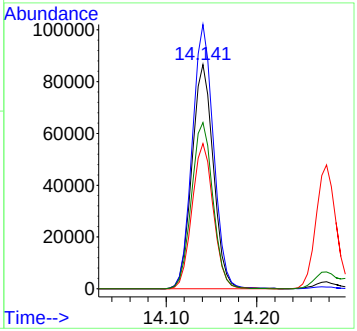


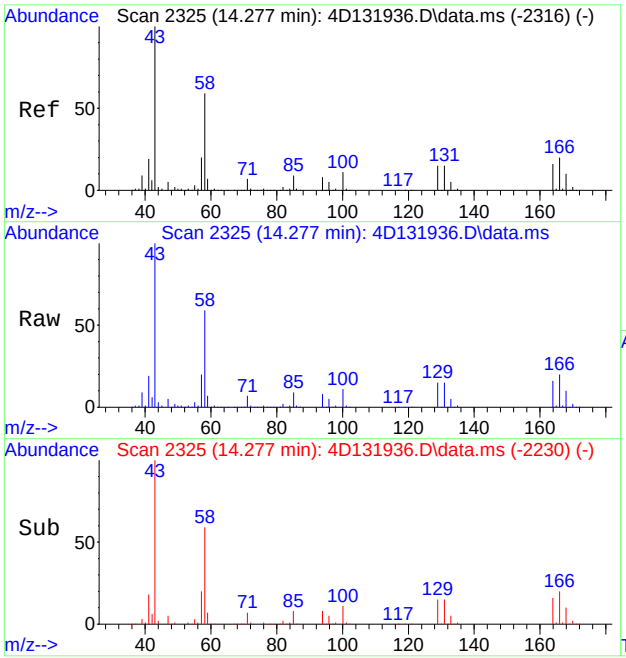


#78
1,1,2-trichloroethane
Concen: 50.00 ug/L
RT: 14.141 min Scan# 2299
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 83 Resp: 142065

Ion	Ratio	Lower	Upper
83	100		
97	118.0	98.0	138.0
85	64.8	44.8	84.8
61	74.1	54.1	94.1

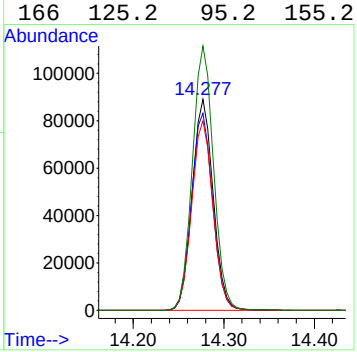


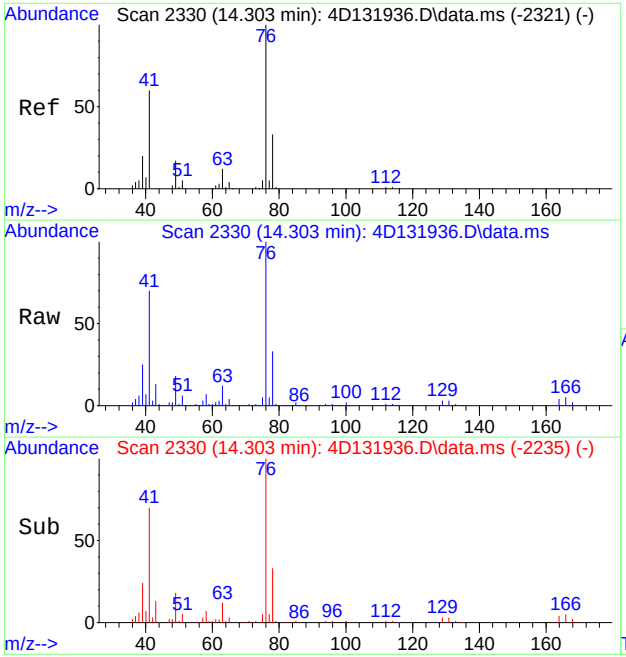


#79
tetrachloroethene
Concen: 50.00 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:164 Resp: 143660

Ion	Ratio	Lower	Upper
164	100		
129	93.3	63.3	123.3
131	89.8	59.8	119.8
166	125.2	95.2	155.2

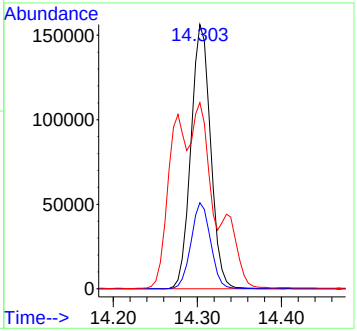


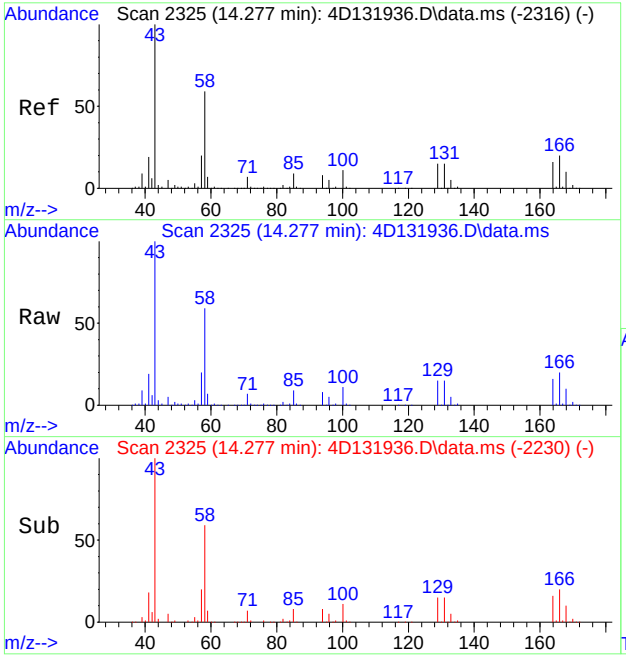


#80
1,3-dichloropropane
Concen: 50.00 ug/L
RT: 14.303 min Scan# 2330
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 76 Resp: 253962

Ion	Ratio	Lower	Upper
76	100		
78	32.5	2.5	62.5
41	70.0	40.0	100.0

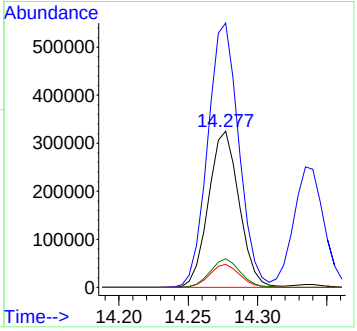


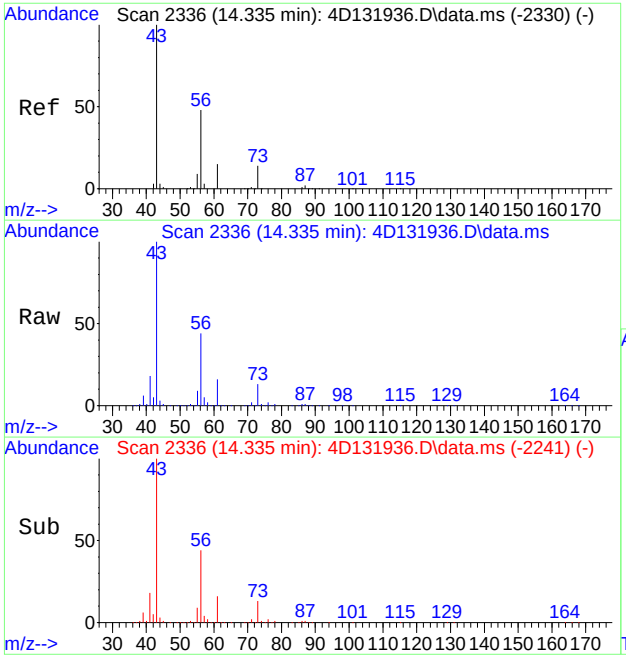


#81
2-hexanone
Concen: 200.00 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 58 Resp: 498877

Ion	Ratio	Lower	Upper
58	100		
43	169.1	149.1	189.1
85	14.7	0.0	34.7
100	18.3	0.0	38.3

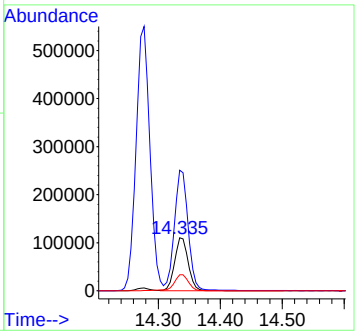


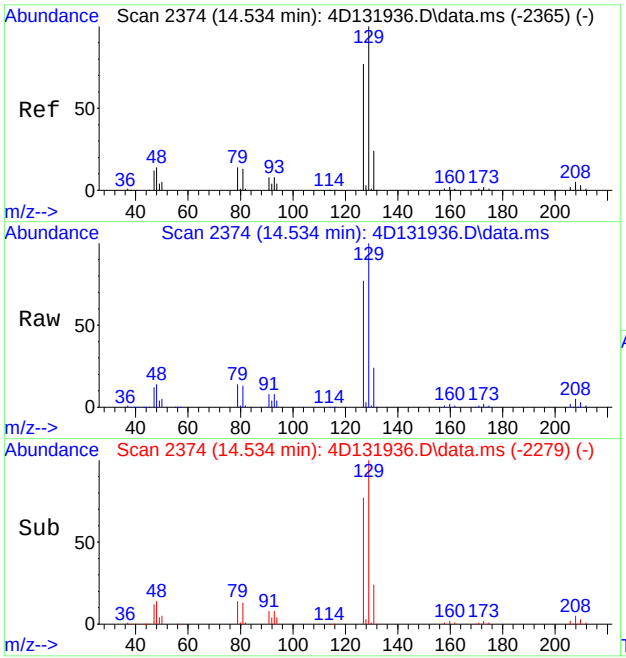


#82
butyl acetate
Concen: 50.00 ug/L
RT: 14.335 min Scan# 2336
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 56 Resp: 168169

Ion	Ratio	Lower	Upper
56	100		
43	226.2	196.2	256.2
73	29.9	0.0	59.9

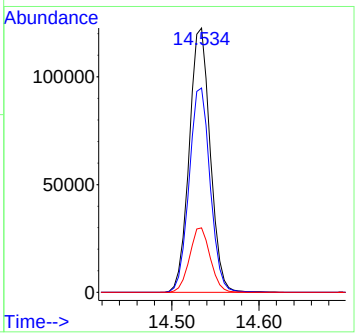


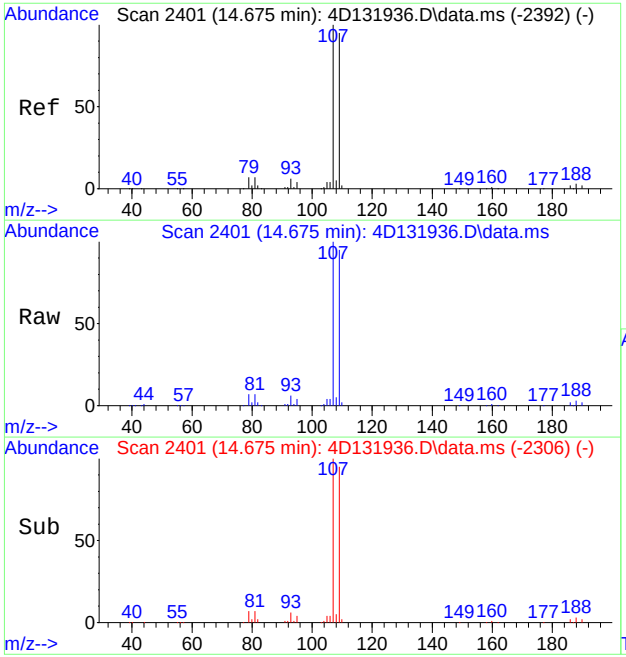


#83
dibromochloromethane
Concen: 50.00 ug/L
RT: 14.534 min Scan# 2374
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:129 Resp: 204654

Ion	Ratio	Lower	Upper
129	100		
127	77.2	47.2	107.2
131	24.4	0.0	54.4

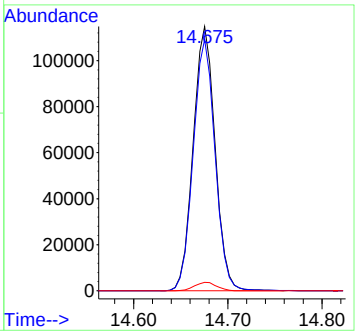


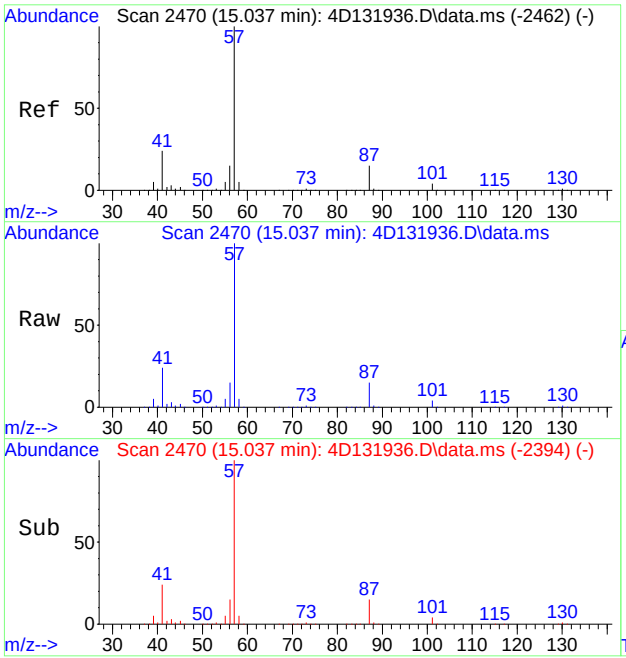


#84
1,2-dibromoethane
Concen: 50.00 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:107 Resp: 185378

Ion	Ratio	Lower	Upper
107	100		
109	95.1	65.1	125.1
188	3.2	0.0	33.2

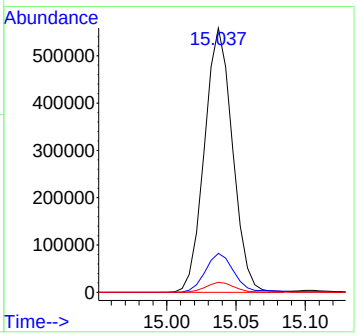


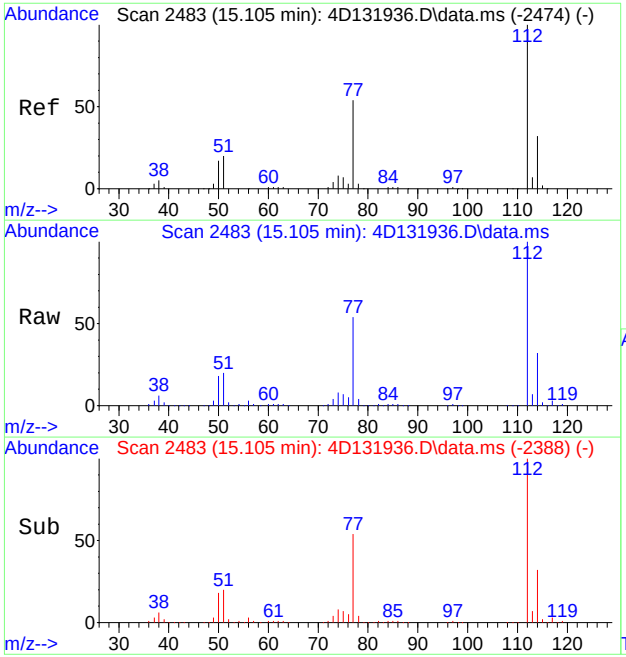


#85
n-butyl ether
Concen: 49.89 ug/L
RT: 15.037 min Scan# 2470
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 57 Resp: 784684

Ion	Ratio	Lower	Upper
57	100		
87	14.7	0.0	44.7
101	3.8	0.0	33.8

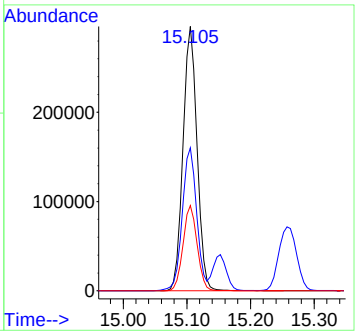


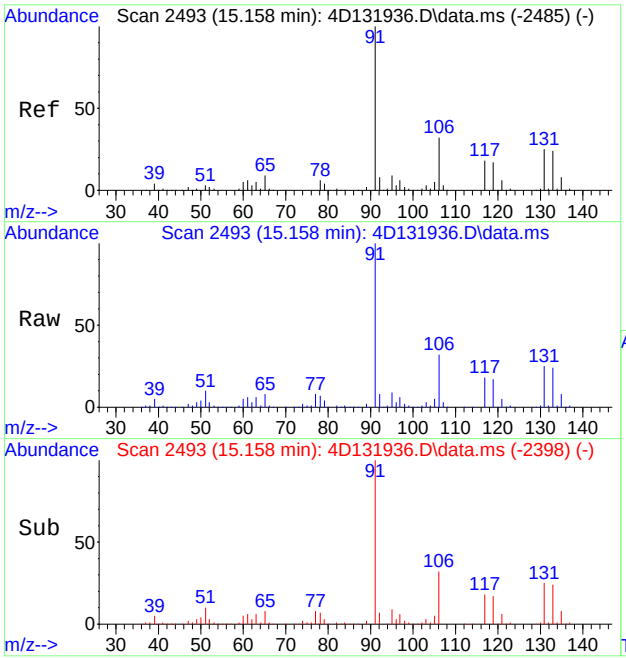


#86
chlorobenzene
Concen: 50.00 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:112 Resp: 451317

Ion	Ratio	Lower	Upper
112	100		
77	53.8	23.8	83.8
114	32.2	2.2	62.2

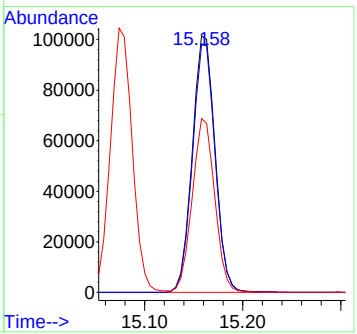


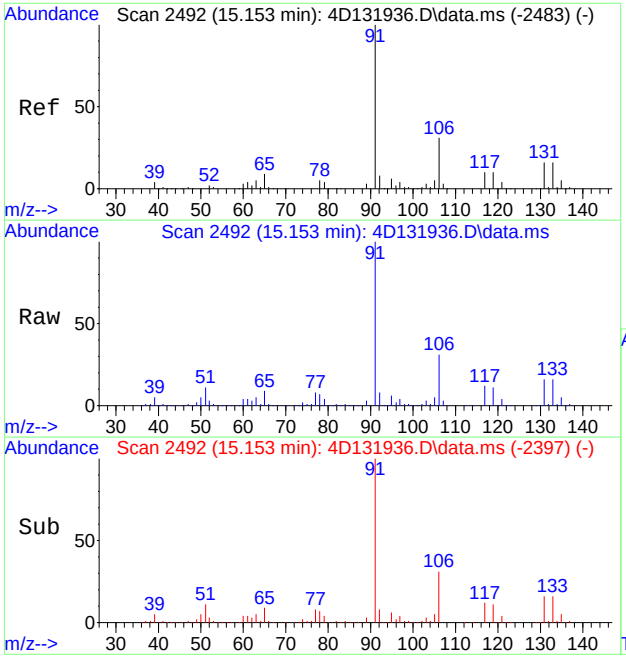


#87
1,1,1,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 15.158 min Scan# 2493
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:131 Resp: 163676

Ion	Ratio	Lower	Upper
131	100		
133	96.4	66.4	126.4
119	67.8	37.8	97.8

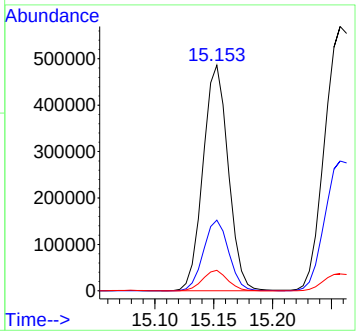


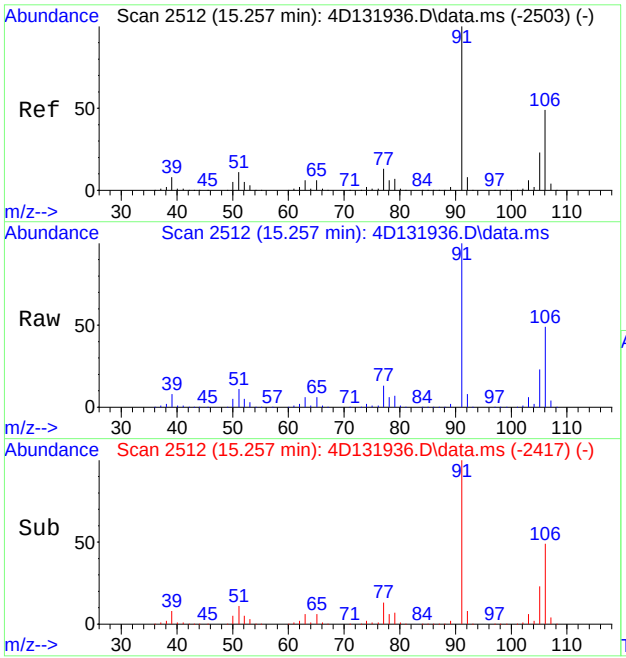


#88
ethylbenzene
Concen: 50.00 ug/L
RT: 15.153 min Scan# 2492
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 91 Resp: 726393

Ion	Ratio	Lower	Upper
91	100		
106	31.3	1.3	61.3
65	9.1	0.0	39.1

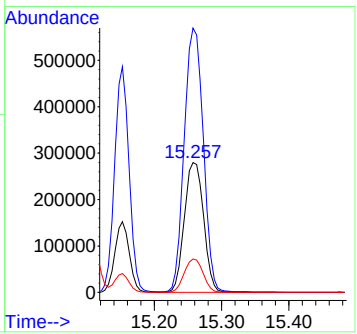


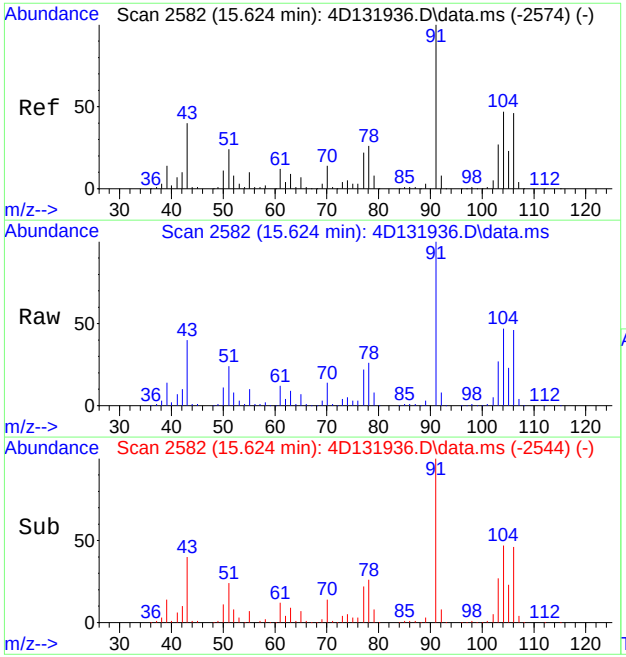


#89
m,p-xylene
Concen: 100.00 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:106 Resp: 557739

Ion	Ratio	Lower	Upper
106	100		
91	203.6	173.6	233.6
77	25.6	5.6	45.6

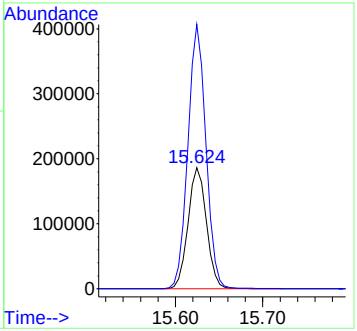


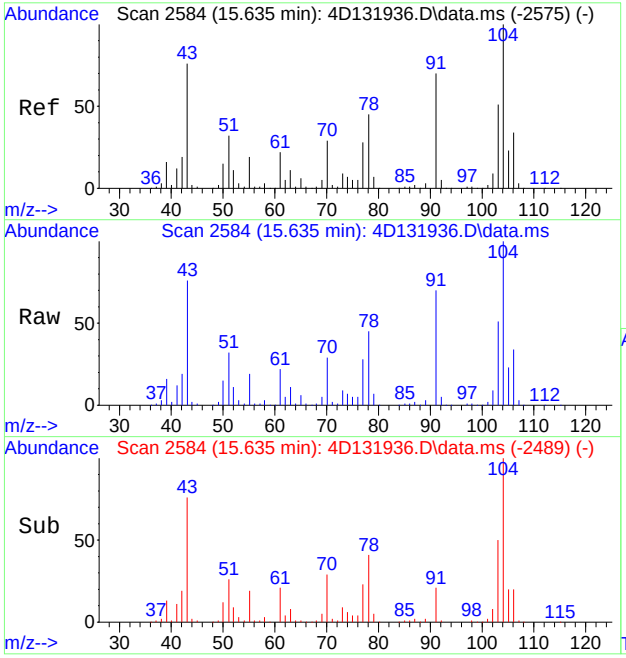


#90
o-xylene
Concen: 50.00 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:106 Resp: 273231

Ion	Ratio	Lower	Upper
106	100		
91	218.2	188.2	248.2

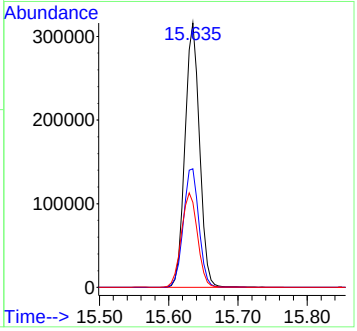


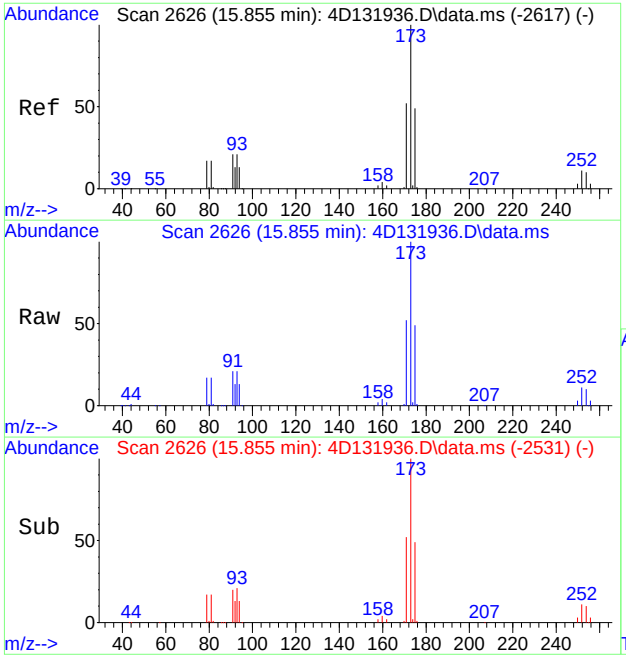


#91
styrene
Concen: 50.00 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:104 Resp: 462549

Ion	Ratio	Lower	Upper
104	100		
78	44.9	14.9	74.9
51	32.1	2.1	62.1

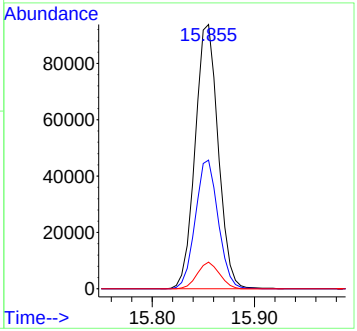


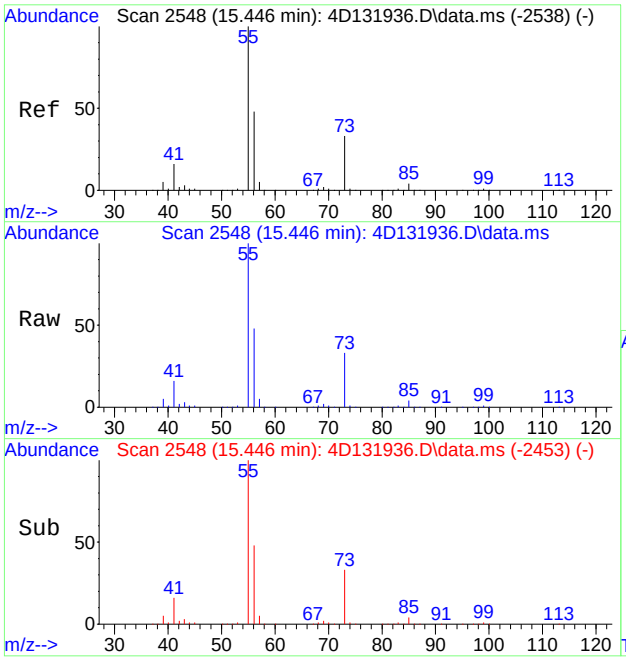


#92
bromoform
Concen: 50.00 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:173 Resp: 147497

Ion	Ratio	Lower	Upper
173	100		
175	48.7	18.7	78.7
254	10.1	0.0	40.1

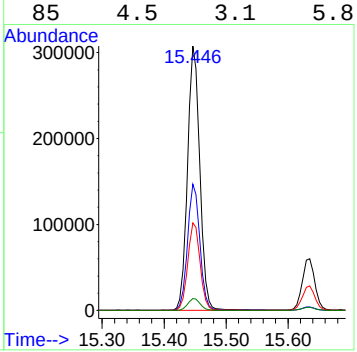


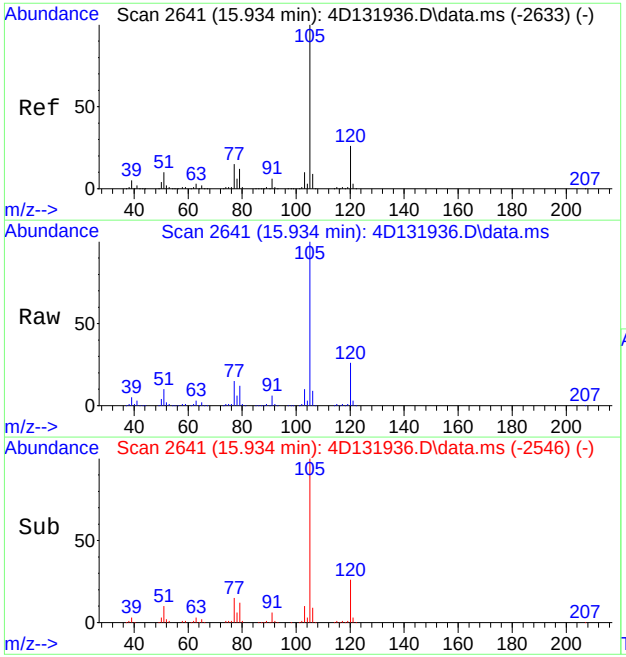


#93
butyl acrylate
Concen: 50.00 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 55 Resp: 424951

Ion	Ratio	Lower	Upper
55	100		
56	47.8	33.5	62.1
73	33.2	23.2	43.2
85	4.5	3.1	5.8

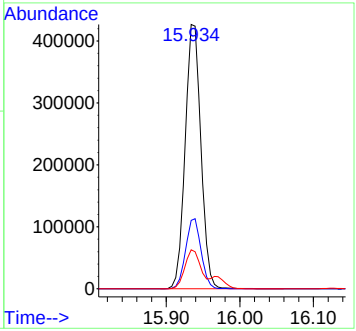


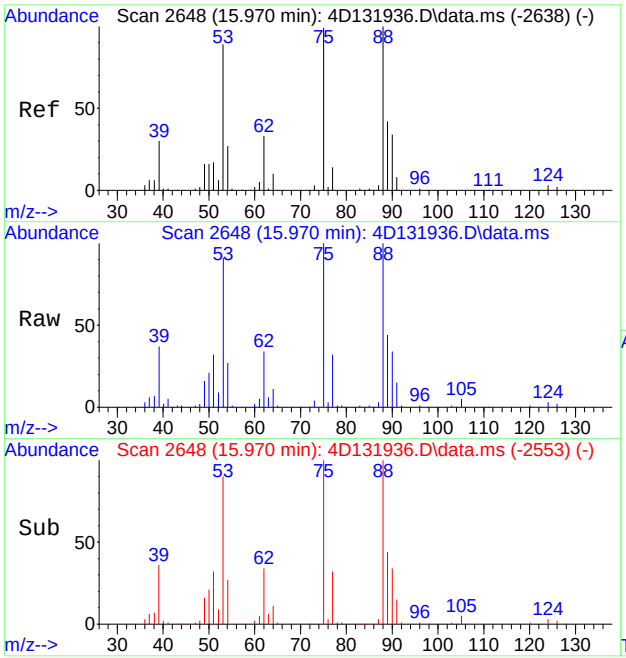


#94
isopropylbenzene
Concen: 50.00 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:105 Resp: 634935

Ion	Ratio	Lower	Upper
105	100		
120	25.9	5.9	45.9
77	14.7	0.0	34.7

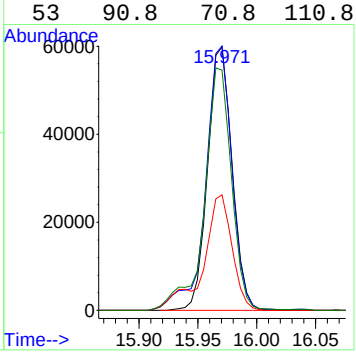


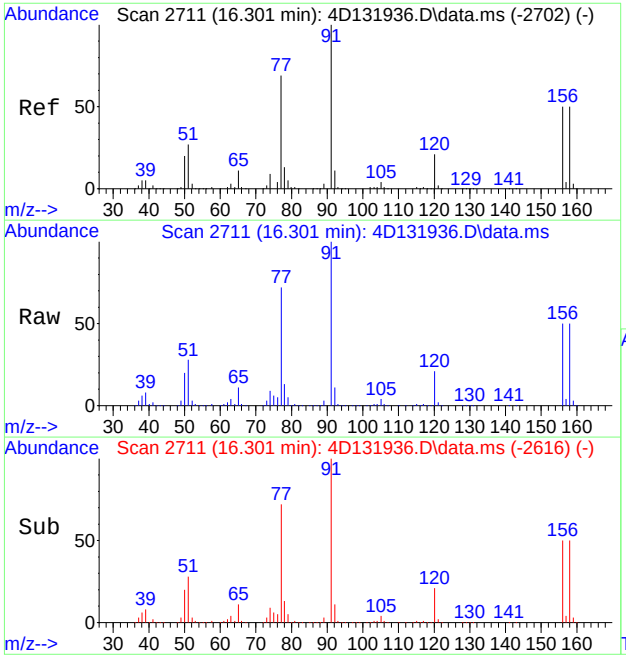


#95
cis-1,4-dichloro-2-butene
Concen: 50.00 ug/L
RT: 15.970 min Scan# 2648
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 88 Resp: 86661

Ion	Ratio	Lower	Upper
88	100		
75	100.4	80.4	120.4
89	43.8	23.8	63.8
53	90.8	70.8	110.8

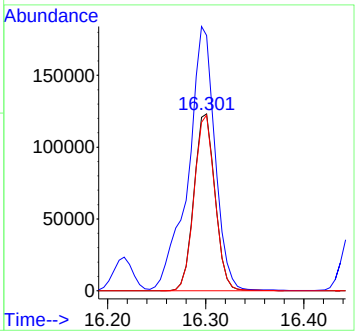


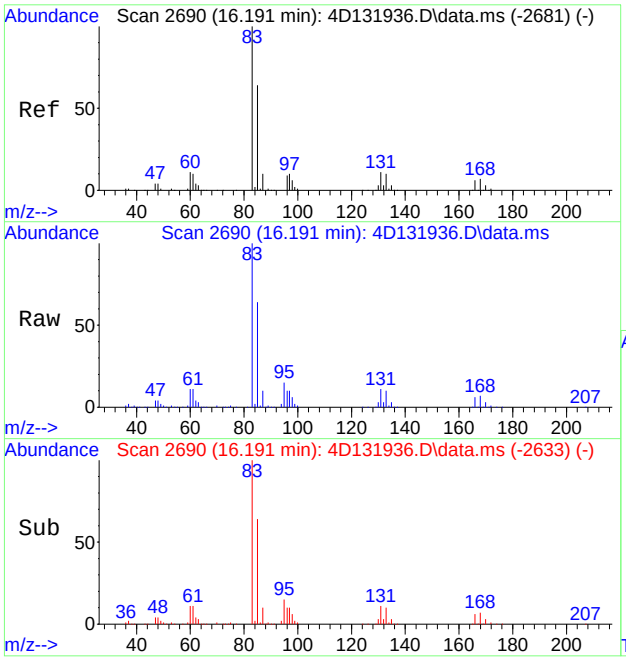


#98
bromobenzene
Concen: 50.00 ug/L
RT: 16.301 min Scan# 2711
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:156 Resp: 183907

Ion	Ratio	Lower	Upper
156	100		
77	144.1	114.1	174.1
158	99.3	69.3	129.3

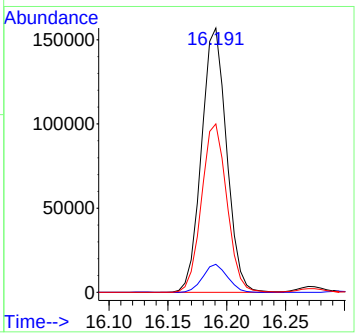


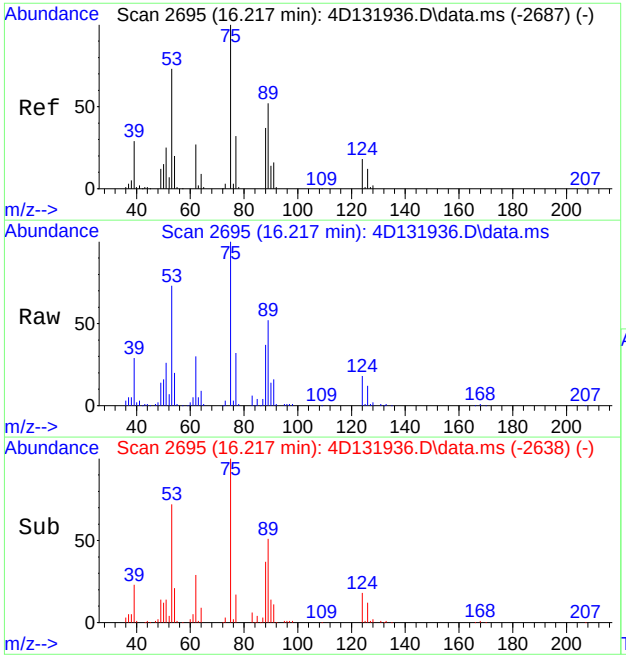


#99
1,1,2,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 16.191 min Scan# 2690
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 83 Resp: 232872

Ion	Ratio	Lower	Upper
83	100		
131	10.7	0.0	40.7
85	63.7	33.7	93.7

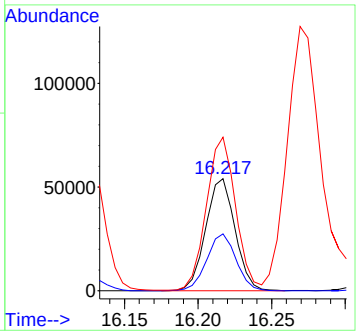


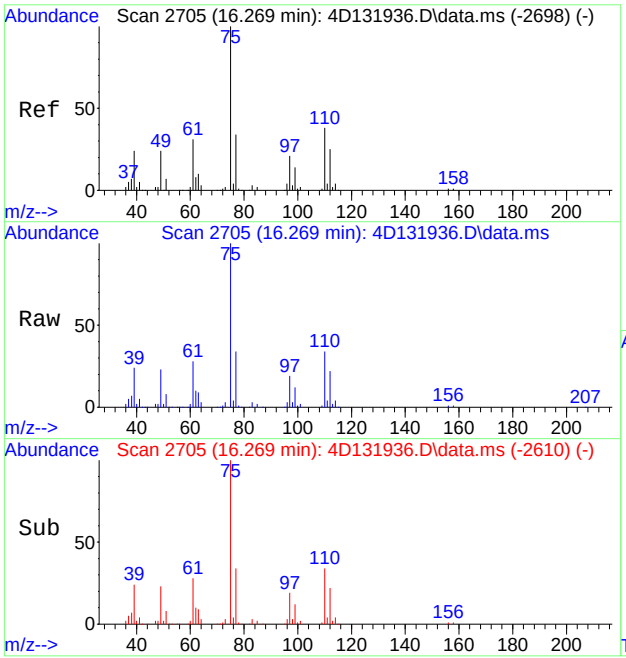


#100
trans-1,4-dichloro-2-butene
Concen: 50.00 ug/L
RT: 16.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 53 Resp: 75166

Ion	Ratio	Lower	Upper
53	100		
88	50.8	20.8	80.8
75	136.5	106.5	166.5

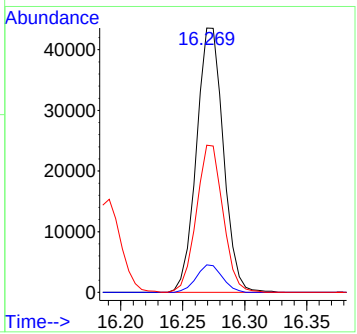


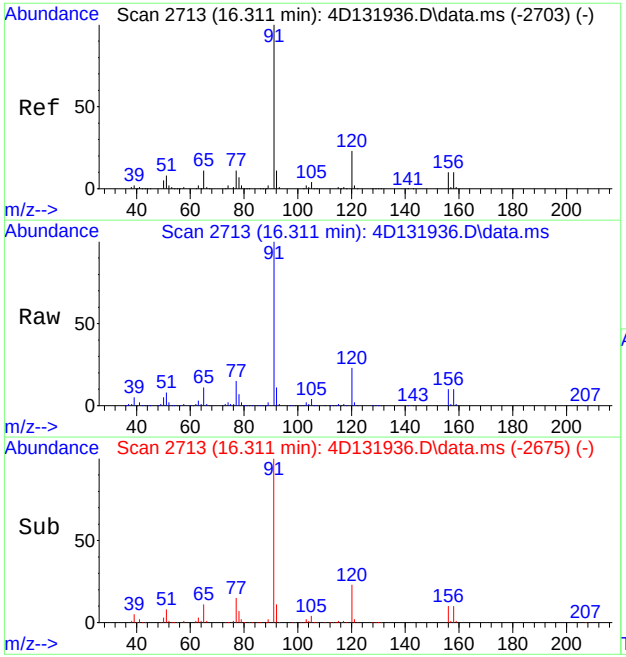


#101
1,2,3-trichloropropane
Concen: 50.00 ug/L
RT: 16.269 min Scan# 2705
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:110 Resp: 65907

Ion	Ratio	Lower	Upper
110	100		
111	10.4	0.0	40.4
97	55.6	25.6	85.6

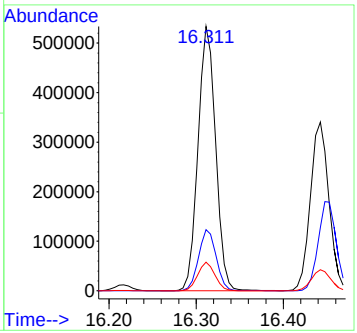


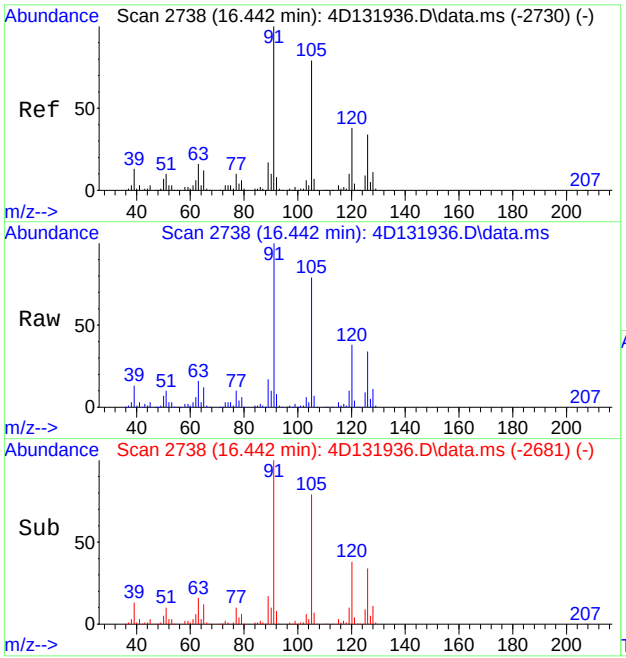


#102
n-propylbenzene
Concen: 50.00 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 91 Resp: 749358

Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	53.1
65	10.8	0.0	40.8

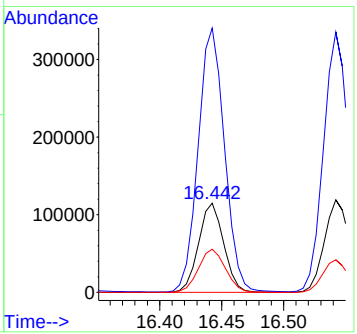


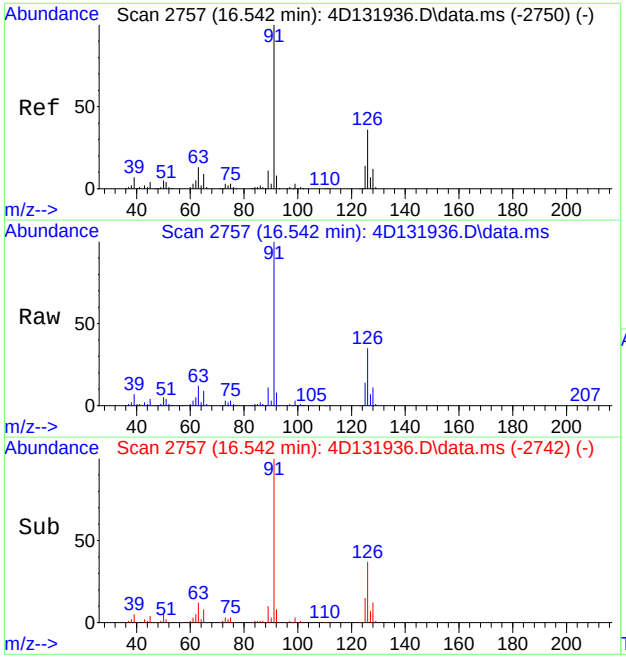


#103
2-chlorotoluene
Concen: 50.00 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:126 Resp: 162378

Ion	Ratio	Lower	Upper
126	100		
91	295.9	265.9	325.9
63	48.3	18.3	78.3

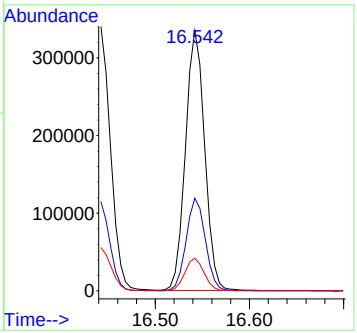


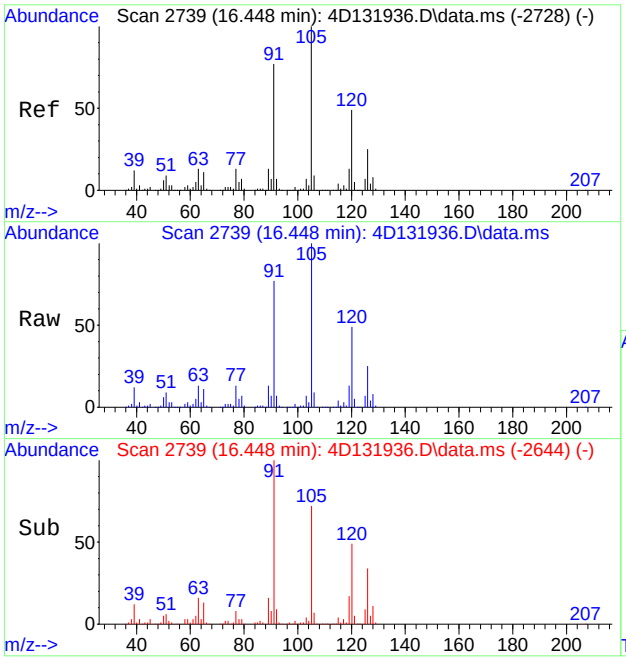


#104
4-chlorotoluene
Concen: 50.00 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 91 Resp: 474219

Ion	Ratio	Lower	Upper
91	100		
126	35.5	5.5	65.5
63	12.5	0.0	42.5

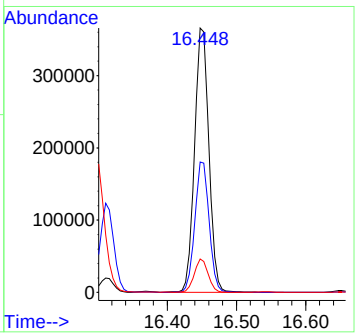


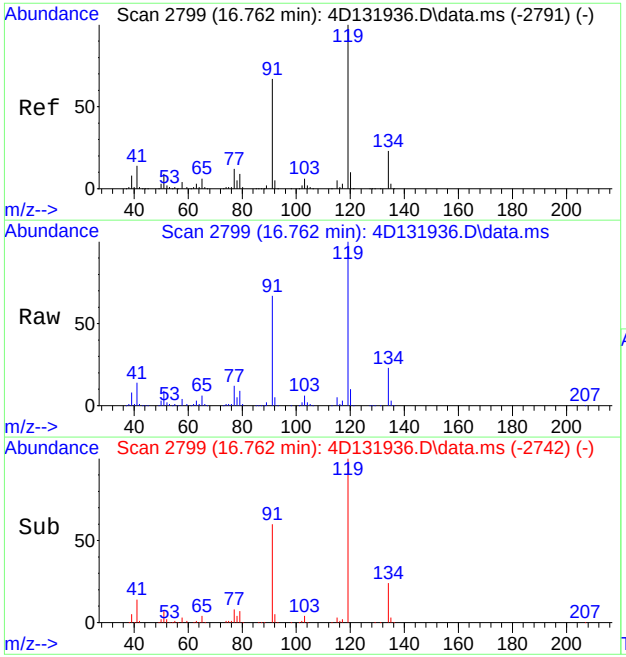


#105
1,3,5-trimethylbenzene
Concen: 50.00 ug/L
RT: 16.448 min Scan# 2739
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:105 Resp: 525656

Ion	Ratio	Lower	Upper
105	100		
120	49.3	19.3	79.3
77	12.7	0.0	42.7

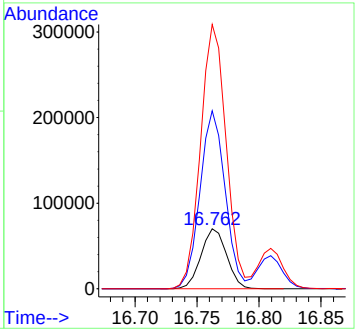


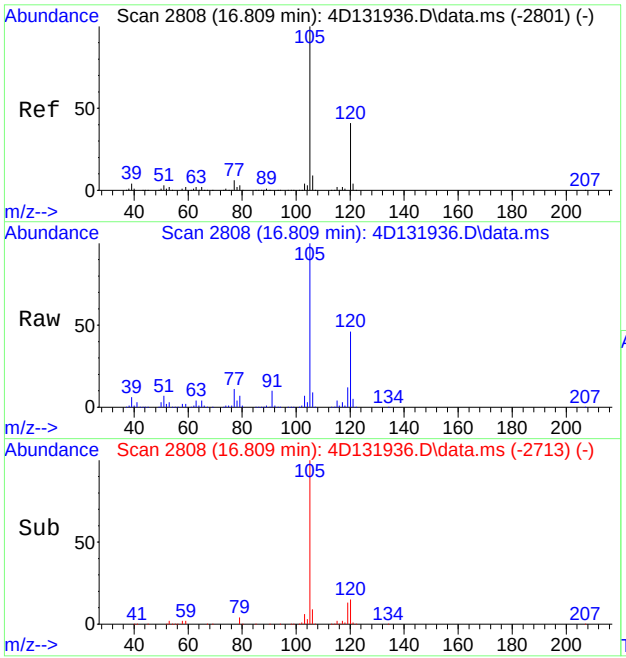


#106
tert-butylbenzene
Concen: 50.00 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:134 Resp: 101249

Ion	Ratio	Lower	Upper
134	100		
91	296.0	266.0	326.0
119	440.0	410.0	470.0

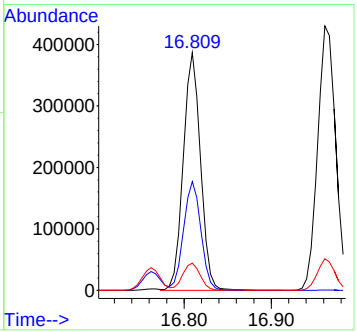


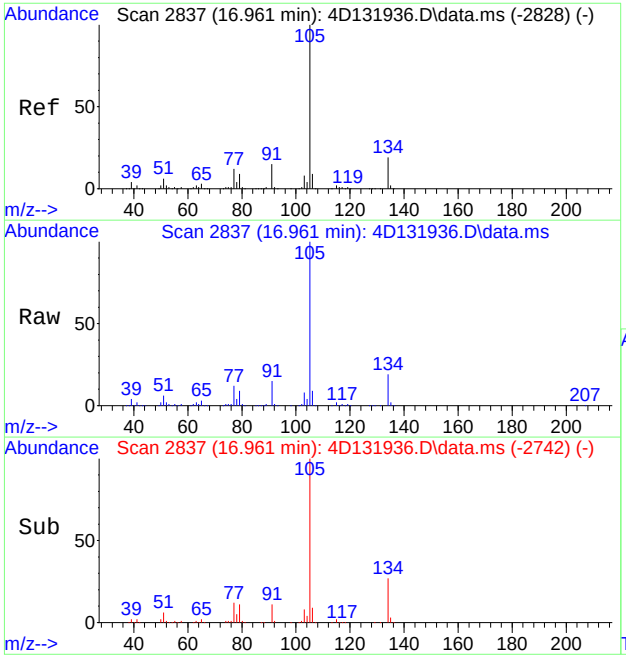


#107
1,2,4-trimethylbenzene
Concen: 50.00 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:105 Resp: 531516

Ion	Ratio	Lower	Upper
105	100		
120	45.8	15.8	75.8
77	11.4	0.0	41.4

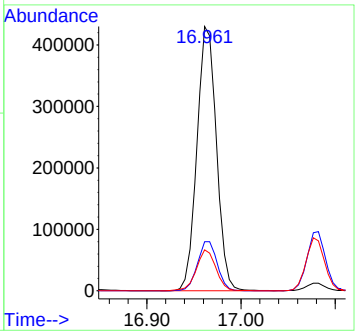


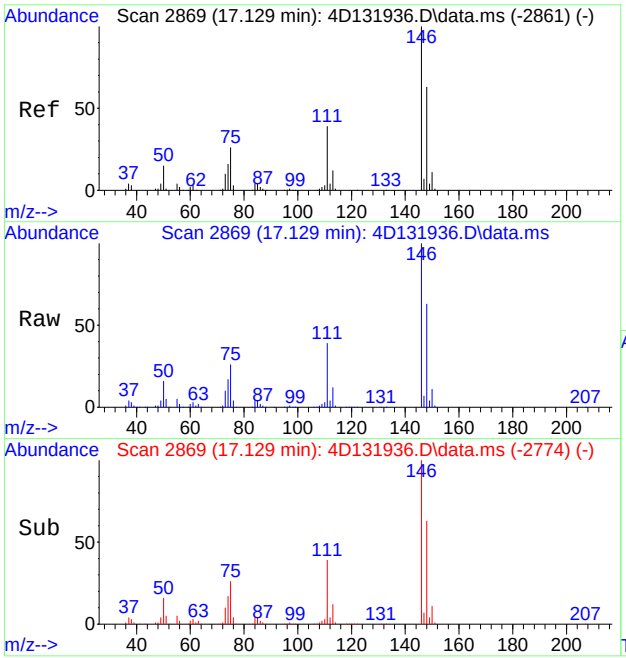


#108
sec-butylbenzene
Concen: 50.00 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:105 Resp: 620556

Ion	Ratio	Lower	Upper
105	100		
134	18.6	0.0	48.6
91	15.4	0.0	45.4

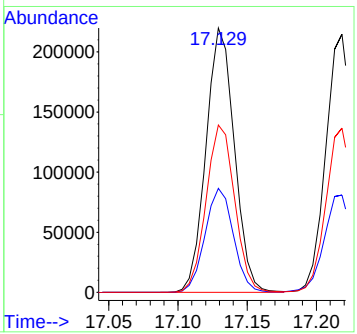


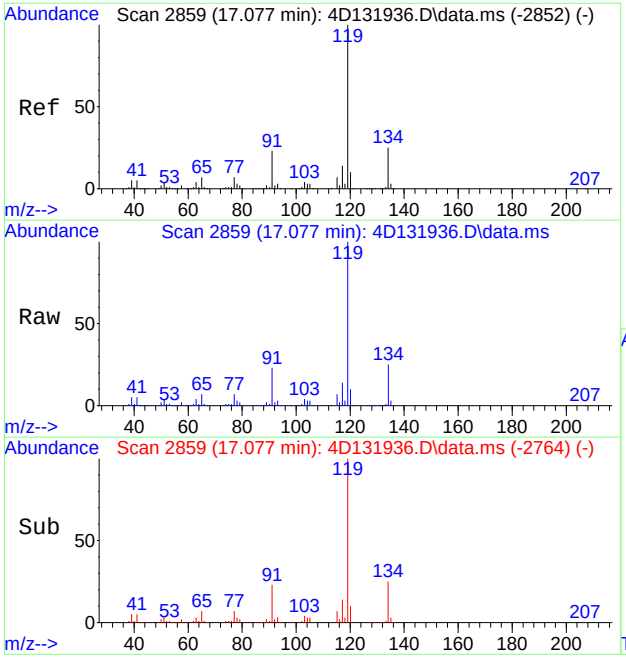


#109
1,3-dichlorobenzene
Concen: 50.00 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:146 Resp: 313102

Ion	Ratio	Lower	Upper
146	100		
111	39.4	9.4	69.4
148	63.3	33.3	93.3

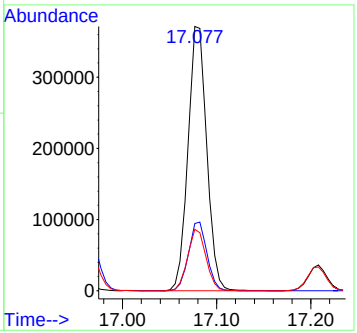


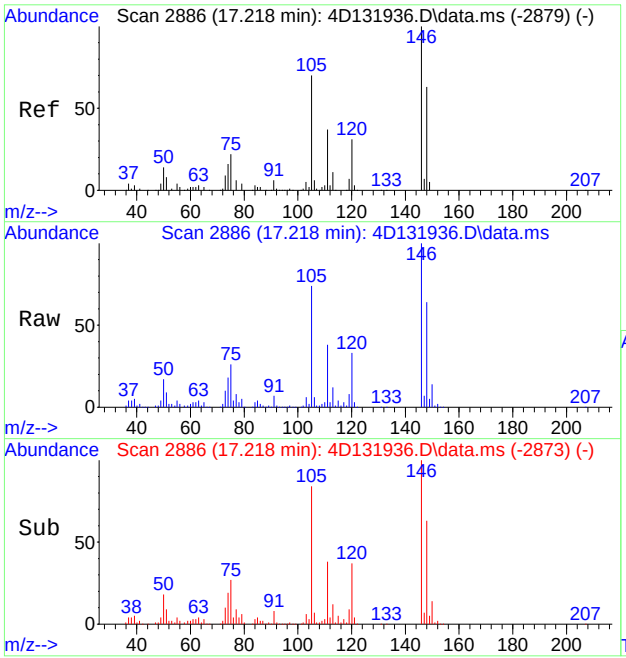


#110
p-isopropyltoluene
Concen: 50.00 ug/L
RT: 17.077 min Scan# 2859
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:119 Resp: 516166

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	55.5
91	23.2	0.0	53.2

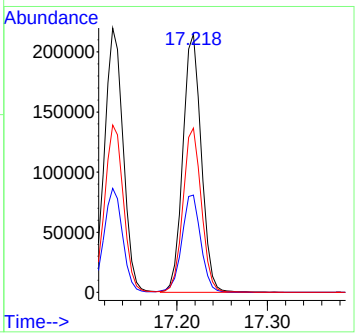


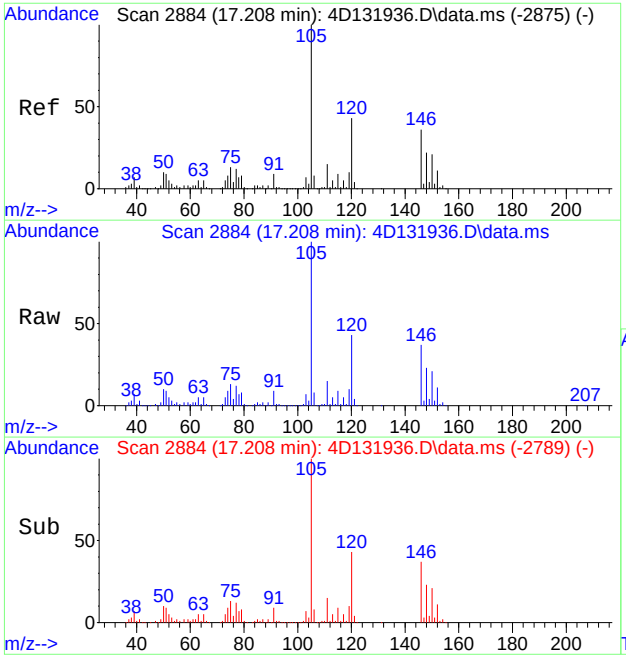


#111
1,4-dichlorobenzene
Concen: 50.00 ug/L
RT: 17.218 min Scan# 2886
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:146 Resp: 304341

Ion	Ratio	Lower	Upper
146	100		
111	37.6	7.6	67.6
148	63.6	33.6	93.6

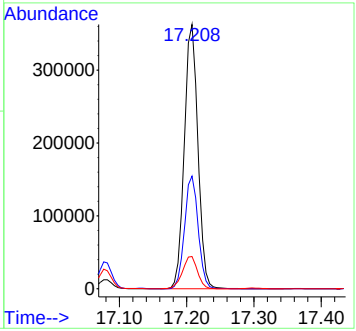


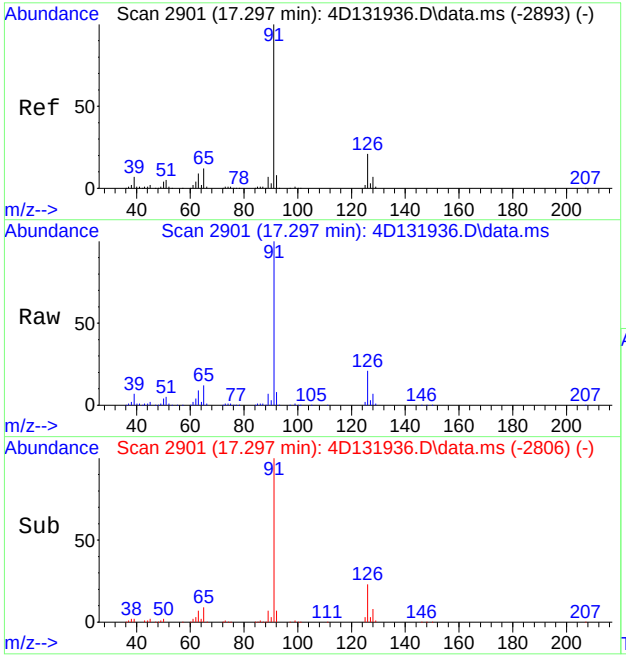


#112
1,2,3-trimethylbenzene
Concen: 50.00 ug/L
RT: 17.208 min Scan# 2884
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:105 Resp: 508964

Ion	Ratio	Lower	Upper
105	100		
120	42.6	12.6	72.6
77	12.2	0.0	42.2

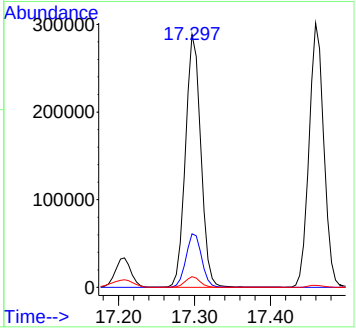


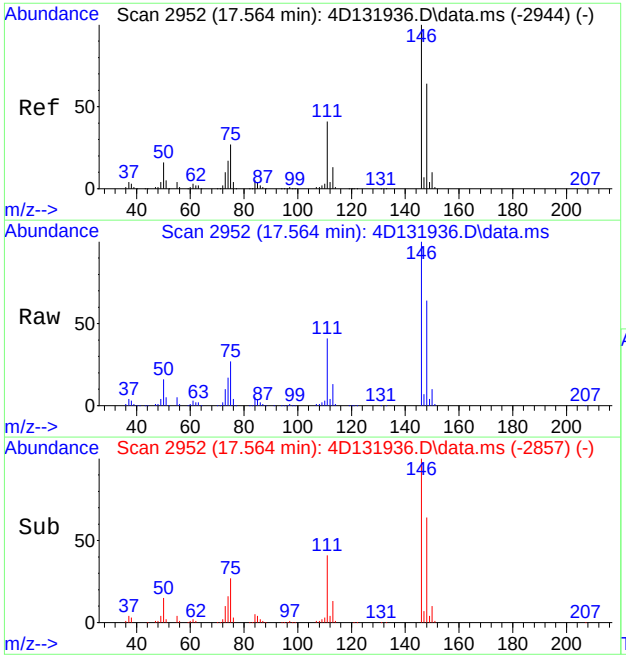


#113
benzyl chloride
Concen: 50.00 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 91 Resp: 404989

Ion	Ratio	Lower	Upper
91	100		
126	21.2	0.0	51.2
62	4.2	0.0	34.2

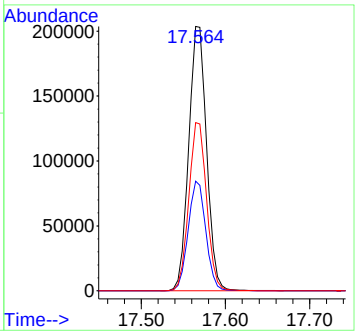


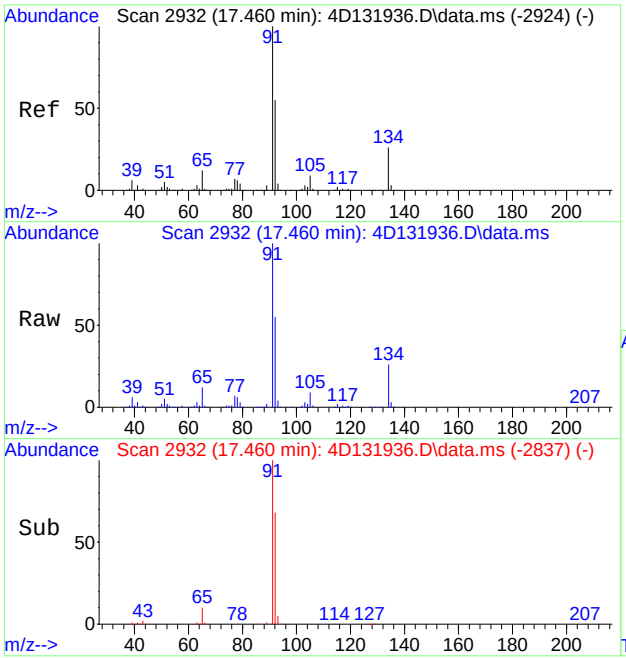


#114
1,2-dichlorobenzene
Concen: 50.00 ug/L
RT: 17.564 min Scan# 2952
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:146 Resp: 300714

Ion	Ratio	Lower	Upper
146	100		
111	41.4	11.4	71.4
148	63.6	33.6	93.6

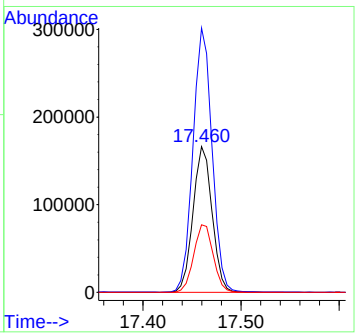


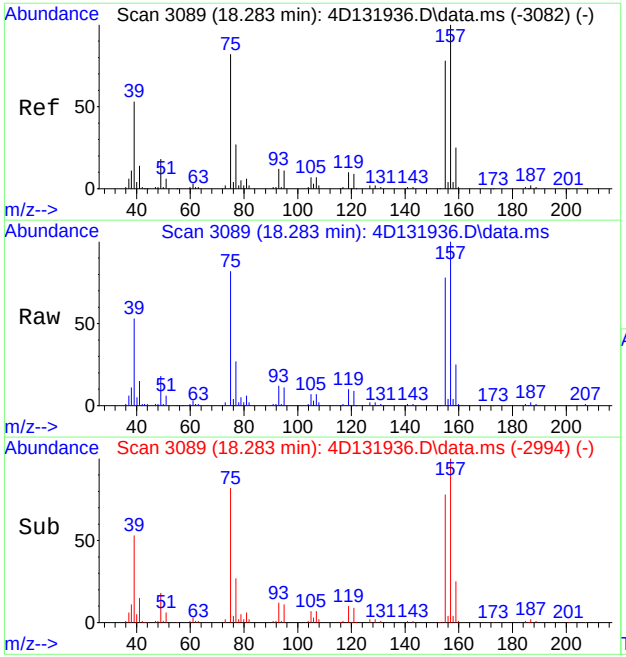


#115
n-butylbenzene
Concen: 50.00 ug/L
RT: 17.460 min Scan# 2932
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion: 92 Resp: 225670

Ion	Ratio	Lower	Upper
92	100		
91	181.4	151.4	211.4
134	46.5	16.5	76.5

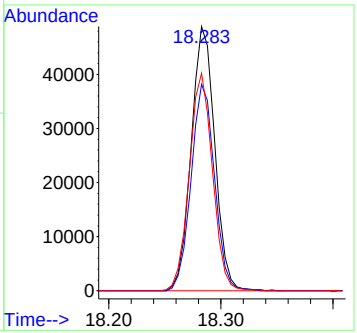


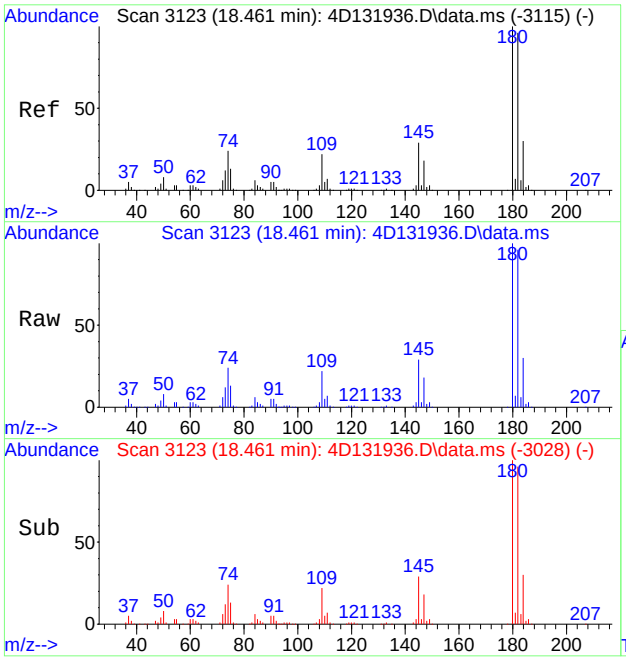


#116
1,2-dibromo-3-chloropropane
Concen: 50.00 ug/L
RT: 18.283 min Scan# 3089
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:157 Resp: 71311

Ion	Ratio	Lower	Upper
157	100		
155	78.1	48.1	108.1
75	82.3	52.3	112.3

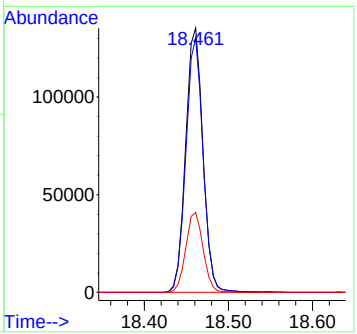


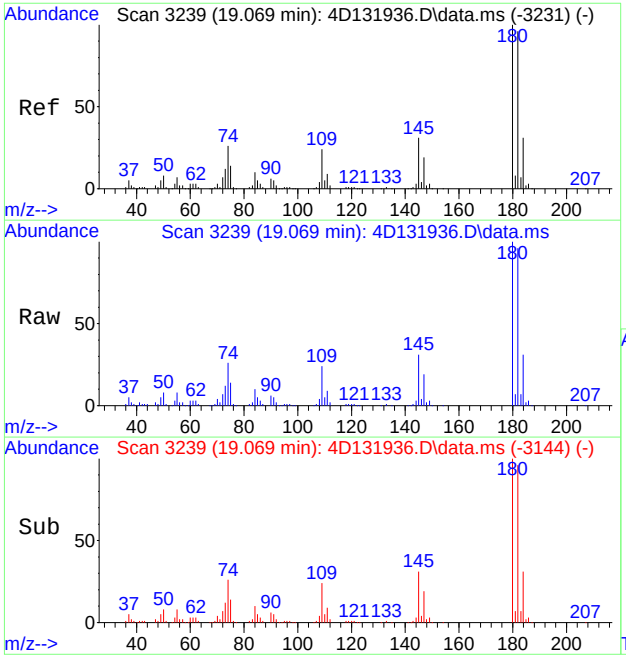


#117
1,3,5-trichlorobenzene
Concen: 50.00 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:180 Resp: 193393

Ion	Ratio	Lower	Upper
180	100		
182	96.1	66.1	126.1
184	30.3	0.3	60.3

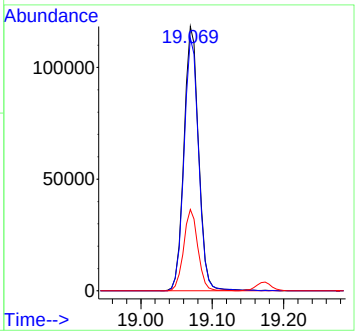


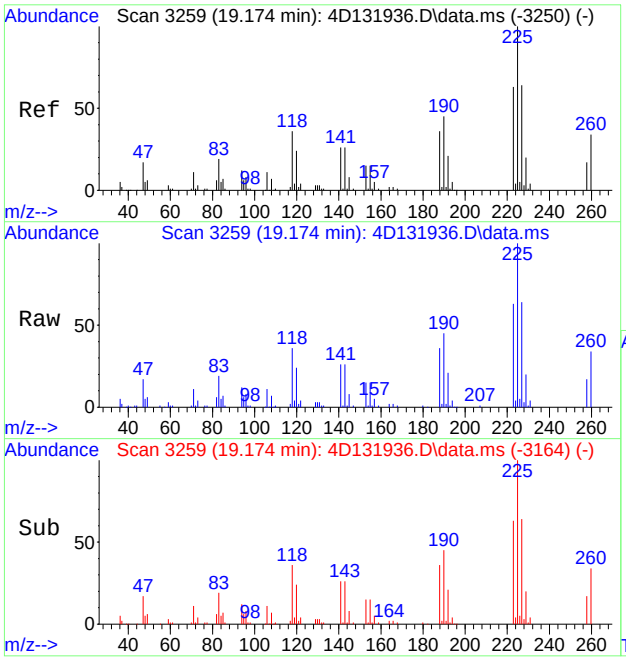


#118
1,2,4-trichlorobenzene
Concen: 50.00 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:180 Resp: 169221

Ion	Ratio	Lower	Upper
180	100		
182	95.6	65.6	125.6
145	30.8	0.8	60.8

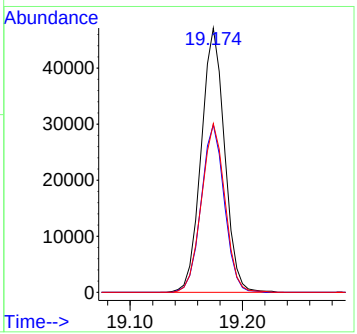


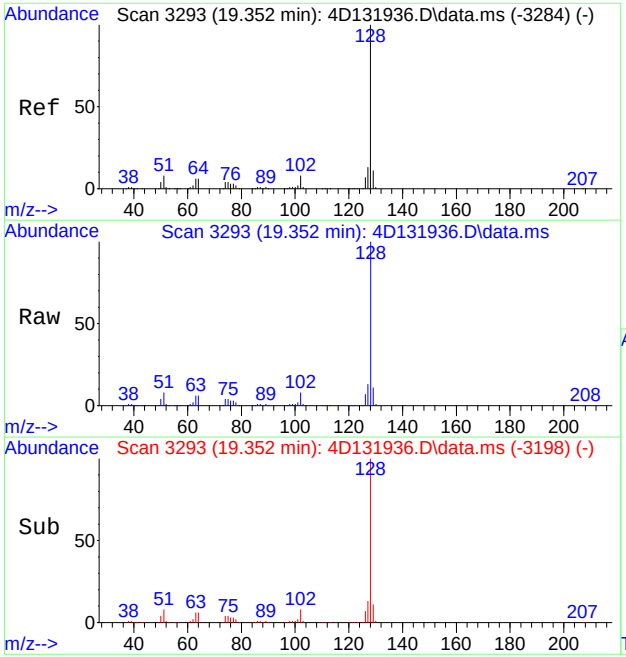


#119
hexachlorobutadiene
Concen: 50.00 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:225 Resp: 68060

Ion	Ratio	Lower	Upper
225	100		
223	63.3	33.3	93.3
227	63.8	33.8	93.8

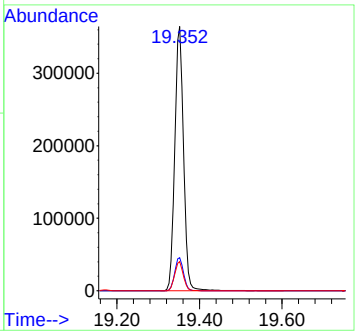


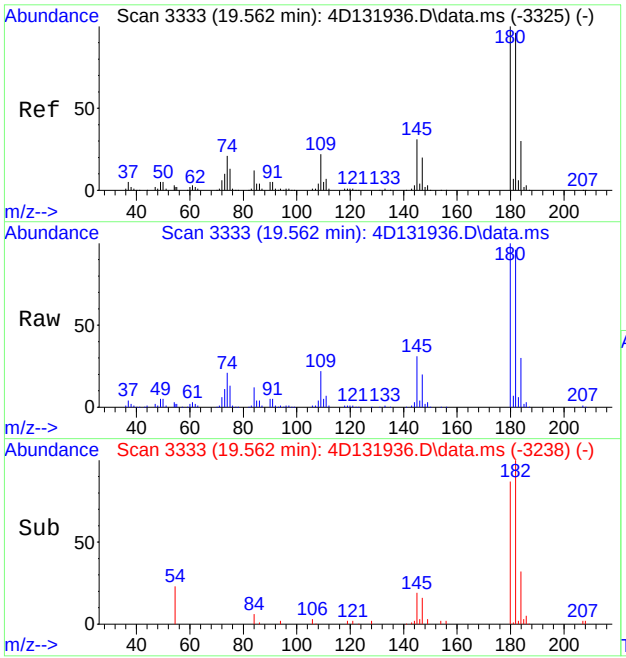


#120
naphthalene
Concen: 50.00 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:128 Resp: 535064

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	42.5
129	11.0	0.0	41.0

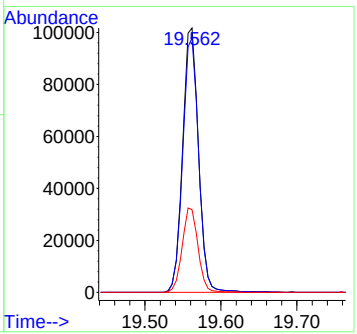


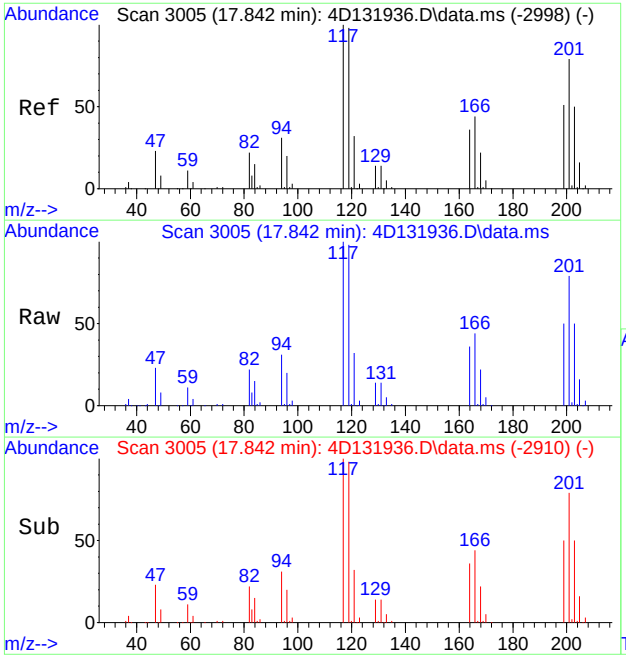


#121
1,2,3-trichlorobenzene
Concen: 50.00 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:180 Resp: 148421

Ion	Ratio	Lower	Upper
180	100		
182	96.3	66.3	126.3
145	31.3	1.3	61.3

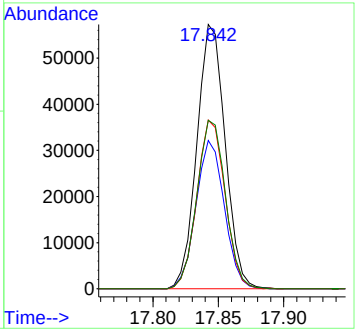


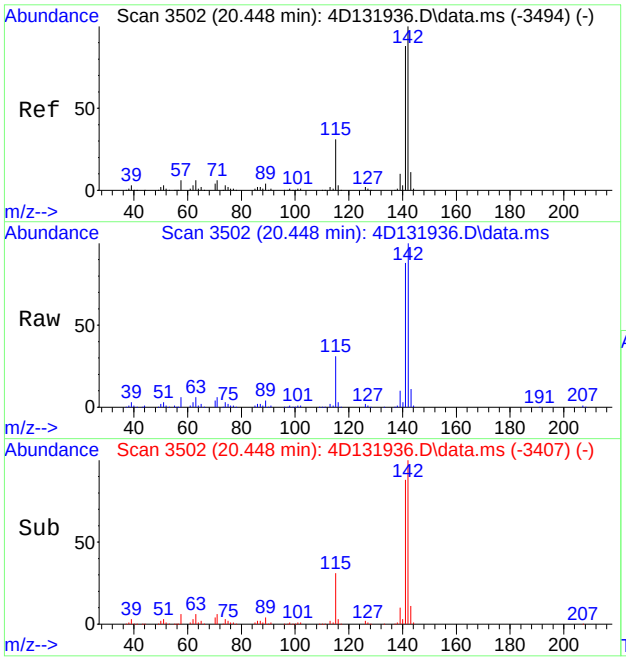


#122
hexachloroethane
Concen: 50.00 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:201 Resp: 86518

Ion	Ratio	Lower	Upper
201	100		
166	56.1	26.1	86.1
199	63.8	33.8	93.8
203	63.7	33.7	93.7

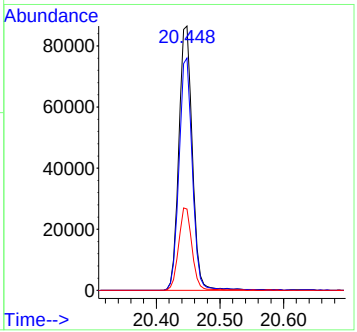




#123
2-methylnaphthalene
Concen: 25.00 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. 0.000 min
Lab File: 4D131936.D
Acq: 6 Oct 2023 7:00 pm

Tgt Ion:142 Resp: 127110

Ion	Ratio	Lower	Upper
142	100		
141	87.9	67.9	107.9
115	30.8	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131937.D
Acq On : 6 Oct 2023 7:29 pm
Operator : nickw
Sample : ic5842-100
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:38:21 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:34:41 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.835	65	421250	500.00	ug/L	0.00
5) pentafluorobenzene	11.299	168	365456	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	609289	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	488398	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	214252	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.299	168	365456	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	214252	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.341	113	195722	50.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.64%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	213012	47.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.04%			
74) toluene-d8 (s)	13.705	98	635413	48.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.88%			
97) 4-bromofluorobenzene (s)	16.128	95	226540	50.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.74%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.966	59	599401	437.11	ug/L	99
3) ethanol	7.335	45	1148262	8736.58	ug/L	100
4) 1,4-dioxane	12.814	88	182149	2108.93	ug/L	99
6) chlorodifluoromethane	4.808	51	513856	101.20	ug/L	100
7) dichlorodifluoromethane	4.735	85	569926	103.25	ug/L	98
8) chloromethane	5.254	50	569126	92.32	ug/L	99
9) vinyl chloride	5.495	62	517921	104.17	ug/L	100
10) 1,3-butadiene	5.594	54	384419	94.92	ug/L	98
11) bromomethane	6.255	94	233896	84.42	ug/L	99
12) chloroethane	6.512	64	281296	96.37	ug/L	99
13) trichlorofluoromethane	7.068	101	624635	106.15	ug/L	99
14) ethyl ether	7.592	74	216345	106.49	ug/L	96
15) acrolein	7.854	56	112648	88.83	ug/L	96
16) freon 113	8.059	151	278257	104.85	ug/L	99
17) 1,1-dichloroethene	8.074	96	301209	98.06	ug/L	97
18) acetone	8.085	58	369219	405.55	ug/L	100
19) acetonitrile	8.567	41	855412	942.61	ug/L	100
20) iodomethane	8.368	142	440289	138.97	ug/L	99
21) carbon disulfide	8.515	76	897959	93.20	ug/L	100
22) methylene chloride	8.892	84	356256	84.96	ug/L	97
23) methyl acetate	8.620	74	97414	103.94	ug/L	96
24) methyl tert butyl ether	9.285	73	1103289	96.14	ug/L	99
25) trans-1,2-dichloroethene	9.327	96	327269	93.63	ug/L	99
26) di-isopropyl ether	9.951	45	1257321	90.77	ug/L	99
27) 2-butanone	10.675	72	329597	399.21	ug/L	92
28) 1,1-dichloroethane	9.972	63	653632	92.11	ug/L	99
29) chloroprene	10.077	53	599685	93.52	ug/L	99
30) acrylonitrile	9.223	53	230971	97.36	ug/L	99
31) hexane	9.726	56	295168	88.52	ug/L	98
32) vinyl acetate	9.904	86	69765	84.64	ug/L	95
33) ethyl tert-butyl ether	10.449	59	1303182	95.65	ug/L	100
34) ethyl acetate	10.691	70	68733	84.45	ug/L	99
35) 2,2-dichloropropane	10.769	77	459746	77.12	ug/L	96
36) cis-1,2-dichloroethene	10.743	96	363625	88.20	ug/L	100
37) methyl acrylate	10.775	55	663881	89.90	ug/L	99
38) propionitrile	10.759	54	966920	898.29	ug/L	90
39) bromochloromethane	11.052	128	188457	92.18	ug/L	99
40) tetrahydrofuran	11.073	72	78203	90.48	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131937.D
Acq On : 6 Oct 2023 7:29 pm
Operator : nickw
Sample : ic5842-100
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:38:21 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:34:41 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	11.147	85	394069	72.19	ug/L		99
42) t-butyl formate	11.173	59	153254	84.24	ug/L		99
44) methacrylonitrile	10.963	67	209319	90.60	ug/L		99
45) 1,1,1-trichloroethane	11.404	97	534994	95.84	ug/L		99
46) cyclohexane	11.509	84	469832	92.39	ug/L	#	87
47) 1,1-dichloropropene	11.571	75	441736	93.30	ug/L		98
48) isobutyl alcohol	11.545	74	40182	927.89	ug/L	#	82
49) carbon tetrachloride	11.598	117	455981	94.26	ug/L		99
50) tert amyl alcohol	11.697	55	185197	445.36	ug/L		95
53) n-butyl alcohol	12.258	56	1397247	4443.18	ug/L		100
54) 2,2,4-trimethylpentane	11.902	57	903870	84.29	ug/L		99
55) benzene	11.818	78	1239585	89.57	ug/L		99
56) tert-amyl methyl ether	11.886	87	242717	92.14	ug/L		99
57) heptane	12.054	71	200038	86.36	ug/L		99
58) isopropyl acetate	11.718	87	99876	96.19	ug/L		99
59) 1,2-dichloroethane	11.844	62	493447	84.76	ug/L		100
60) trichloroethene	12.499	130	366915	97.31	ug/L		99
61) ethyl acrylate	12.479	55	674283	91.99	ug/L		100
63) 2-chloroethyl vinyl ether	13.218	63	986166	465.46	ug/L		100
64) methyl methacrylate	12.725	100	127071	98.02	ug/L		96
65) 1,2-dichloropropane	12.772	63	362440	91.60	ug/L		99
66) dibromomethane	12.872	93	225591	90.45	ug/L		98
67) methylcyclohexane	12.772	83	503764	92.53	ug/L		99
68) bromodichloromethane	13.013	83	458395	90.08	ug/L		99
69) epichlorohydrin	13.307	57	332324	436.17	ug/L		98
70) cis-1,3-dichloropropene	13.422	75	560921	93.39	ug/L		99
71) 4-methyl-2-pentanone	13.511	58	825394	340.18	ug/L		99
75) toluene	13.774	92	759038	91.38	ug/L		99
76) trans-1,3-dichloropropene	13.936	75	499164	91.03	ug/L		99
77) ethyl methacrylate	13.915	69	481479	88.53	ug/L		100
78) 1,1,2-trichloroethane	14.141	83	270174	91.28	ug/L		99
79) tetrachloroethene	14.277	164	261696	90.19	ug/L		99
80) 1,3-dichloropropane	14.303	76	465110	88.13	ug/L		99
81) 2-hexanone	14.277	58	922332	348.96	ug/L		99
82) butyl acetate	14.340	56	305517	80.39	ug/L		97
83) dibromochloromethane	14.534	129	388892	95.31	ug/L		99
84) 1,2-dibromoethane	14.675	107	352267	94.09	ug/L		100
85) n-butyl ether	15.037	57	1469752	93.87	ug/L		99
86) chlorobenzene	15.105	112	846233	92.80	ug/L		99
87) 1,1,1,2-tetrachloroethane	15.163	131	302667	91.61	ug/L		99
88) ethylbenzene	15.152	91	1336730	88.96	ug/L		99
89) m,p-xylene	15.257	106	1028136	177.81	ug/L		99
90) o-xylene	15.624	106	506161	89.50	ug/L		97
91) styrene	15.635	104	842687	88.48	ug/L		99
92) bromoform	15.855	173	284852	98.79	ug/L		100
93) butyl acrylate	15.446	55	789597	88.83	ug/L		99
94) isopropylbenzene	15.939	105	1199181	92.23	ug/L		99
95) cis-1,4-dichloro-2-butene	15.970	88	170085	101.69	ug/L		98
98) bromobenzene	16.301	156	347129	95.05	ug/L		98
99) 1,1,2,2-tetrachloroethane	16.191	83	442916	91.21	ug/L		99
100) trans-1,4-dichloro-2-b...	16.217	53	146990	101.90	ug/L		99
101) 1,2,3-trichloropropane	16.274	110	126213	98.27	ug/L		99
102) n-propylbenzene	16.311	91	1389248	90.14	ug/L		100
103) 2-chlorotoluene	16.442	126	302082	91.31	ug/L		97
104) 4-chlorotoluene	16.542	91	887867	87.49	ug/L		99
105) 1,3,5-trimethylbenzene	16.447	105	980716	90.44	ug/L		100
106) tert-butylbenzene	16.762	134	193583	97.75	ug/L		98
107) 1,2,4-trimethylbenzene	16.809	105	993741	91.10	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131937.D
Acq On : 6 Oct 2023 7:29 pm
Operator : nickw
Sample : ic5842-100
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:38:21 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:34:41 2023
Response via : Initial Calibration

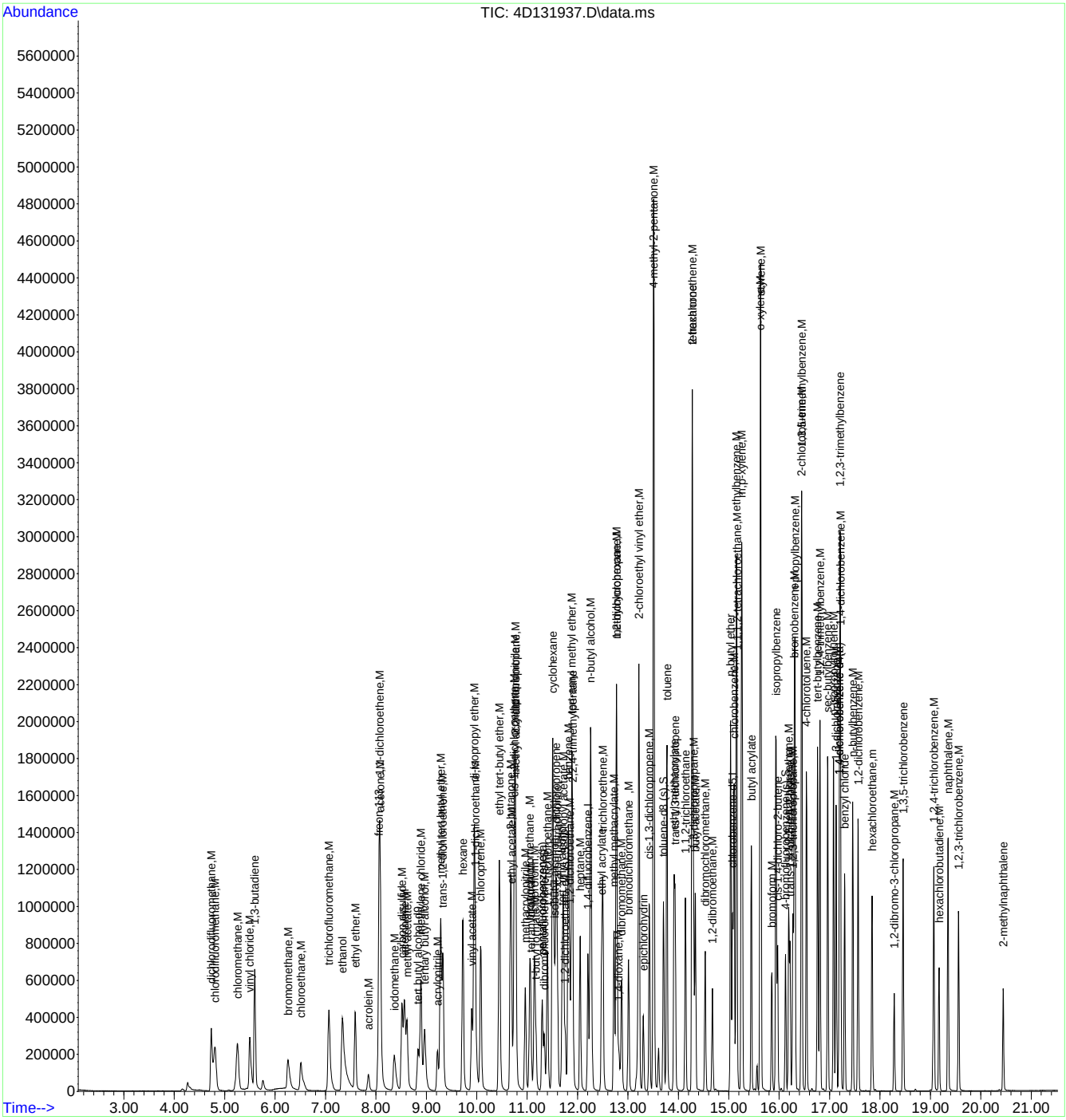
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	16.961	105	1172278	93.61	ug/L	99
109) 1,3-dichlorobenzene	17.129	146	589125	93.24	ug/L	99
110) p-isopropyltoluene	17.082	119	975384	94.17	ug/L	99
111) 1,4-dichlorobenzene	17.218	146	568797	93.13	ug/L	99
112) 1,2,3-trimethylbenzene	17.208	105	958460	91.70	ug/L	99
113) benzyl chloride	17.297	91	760506	91.48	ug/L	99
114) 1,2-dichlorobenzene	17.569	146	576097	97.62	ug/L	99
115) n-butylbenzene	17.459	92	433095	95.09	ug/L	99
116) 1,2-dibromo-3-chloropr...	18.283	157	141311	110.48	ug/L	99
117) 1,3,5-trichlorobenzene	18.461	180	380560	105.62	ug/L	99
118) 1,2,4-trichlorobenzene	19.069	180	332535	106.30	ug/L	99
119) hexachlorobutadiene	19.174	225	130675	105.69	ug/L	99
120) naphthalene	19.352	128	1008132	94.60	ug/L	99
121) 1,2,3-trichlorobenzene	19.562	180	291250	103.74	ug/L	100
122) hexachloroethane	17.842	201	170655	114.77	ug/L	99
123) 2-methylnaphthalene	20.448	142	253403	57.79	ug/L	98

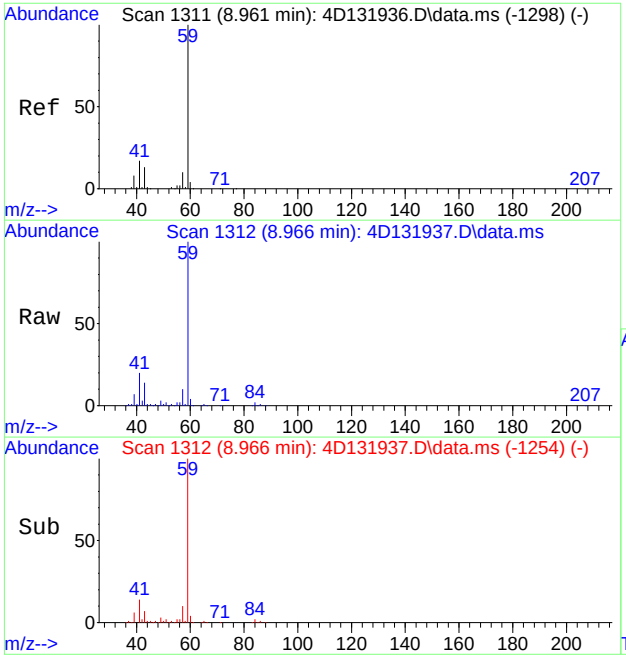
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131937.D
Acq On : 6 Oct 2023 7:29 pm
Operator : nickw
Sample : ic5842-100
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 15:38:21 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:34:41 2023
Response via : Initial Calibration

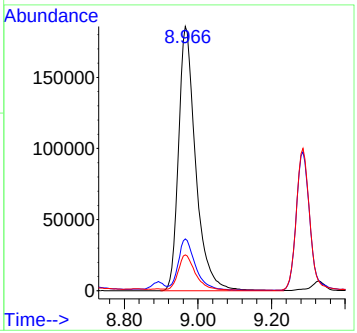


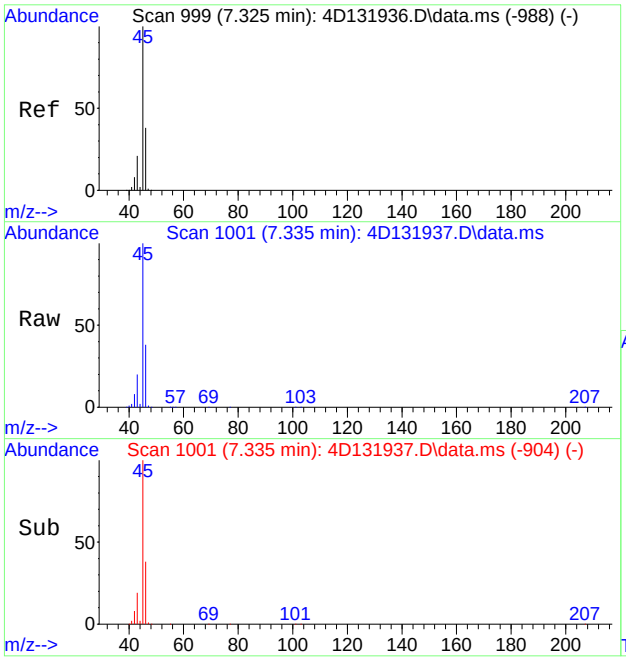


#2
tertiary butyl alcohol
Concen: 437.11 ug/L
RT: 8.966 min Scan# 1312
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 59 Resp: 599401

Ion	Ratio	Lower	Upper
59	100		
41	19.2	0.0	49.8
43	13.1	0.0	43.7

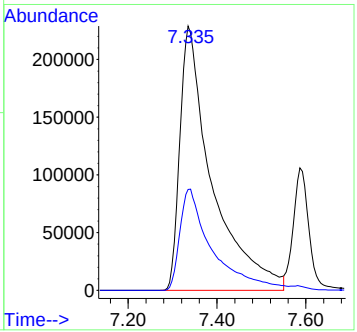


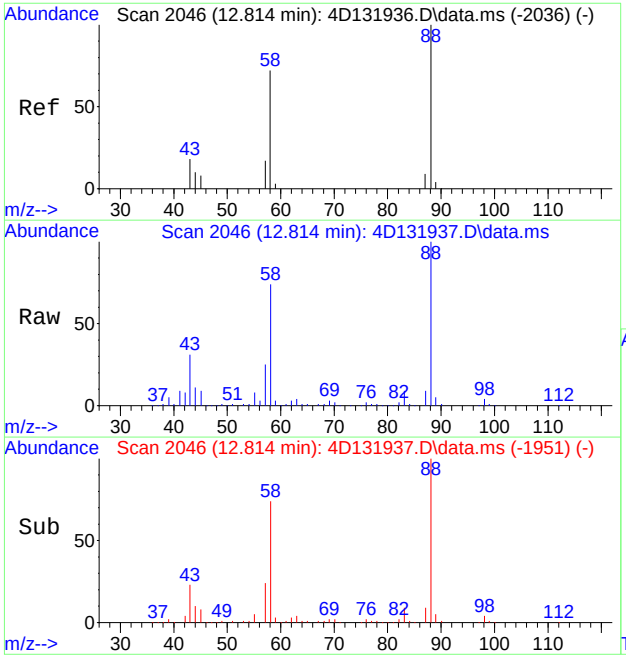


#3
ethanol
Concen: 8736.58 ug/L
RT: 7.335 min Scan# 1001
Delta R.T. 0.010 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 45 Resp: 1148262

Ion	Ratio	Lower	Upper
45	100		
46	38.1	8.2	68.2

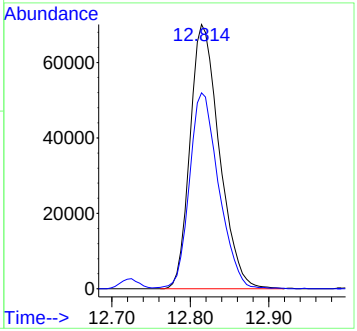


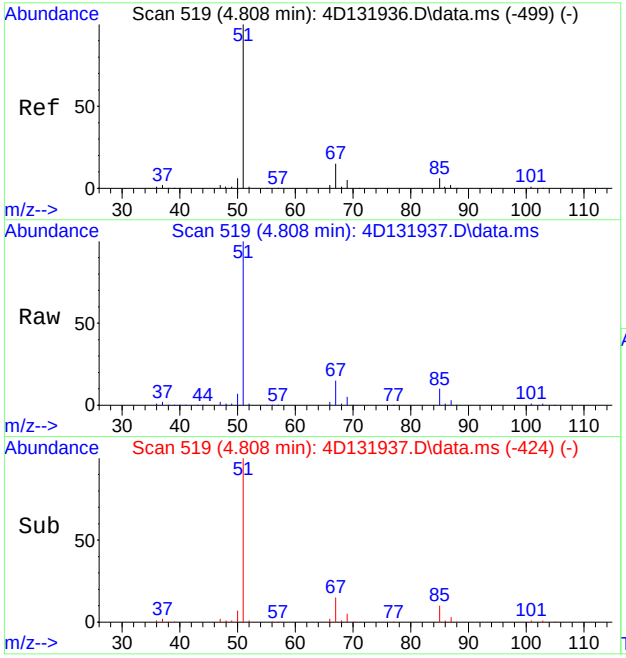


#4
1,4-dioxane
Concen: 2108.93 ug/L
RT: 12.814 min Scan# 2046
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 88 Resp: 182149

Ion	Ratio	Lower	Upper
88	100		
58	73.9	43.1	103.1

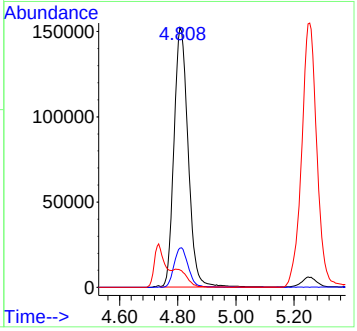


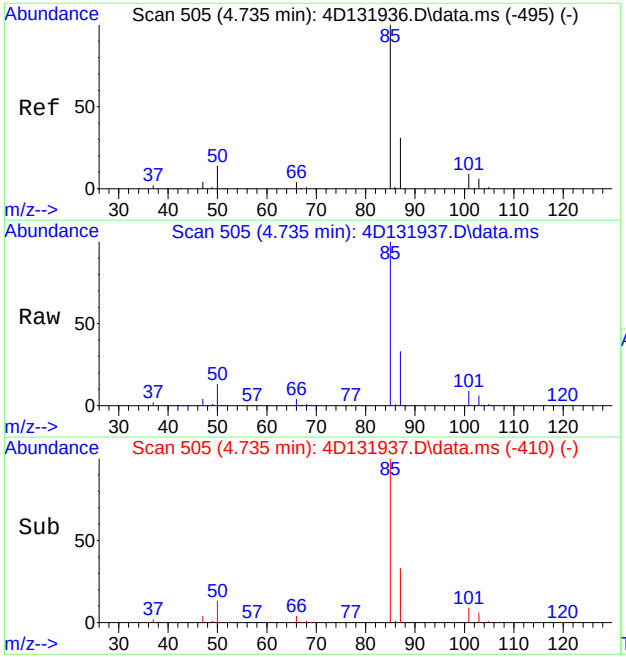


#6
chlorodifluoromethane
Concen: 101.20 ug/L
RT: 4.808 min Scan# 519
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 51 Resp: 513856

Ion	Ratio	Lower	Upper
51	100		
67	15.2	0.0	45.1
50	6.6	0.0	36.9

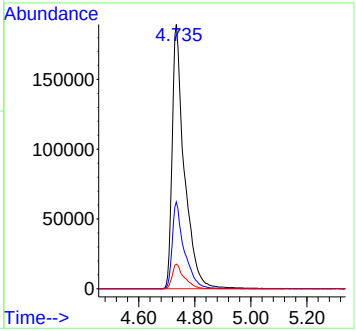


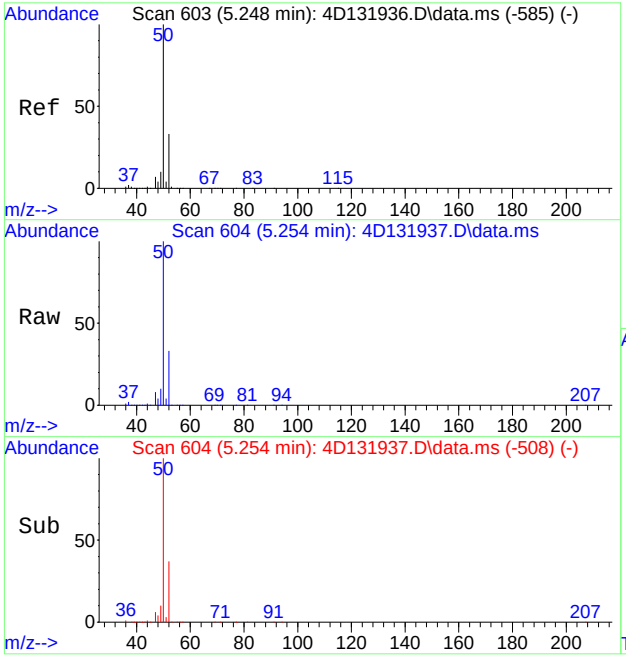


#7
dichlorodifluoromethane
Concen: 103.25 ug/L
RT: 4.735 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 85 Resp: 569926

Ion	Ratio	Lower	Upper
85	100		
87	32.9	1.4	61.4
101	9.3	0.0	39.3

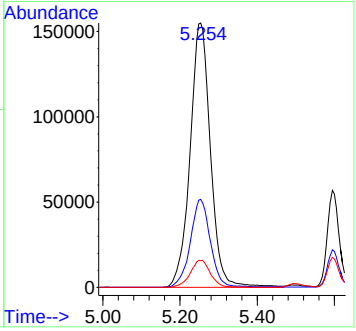


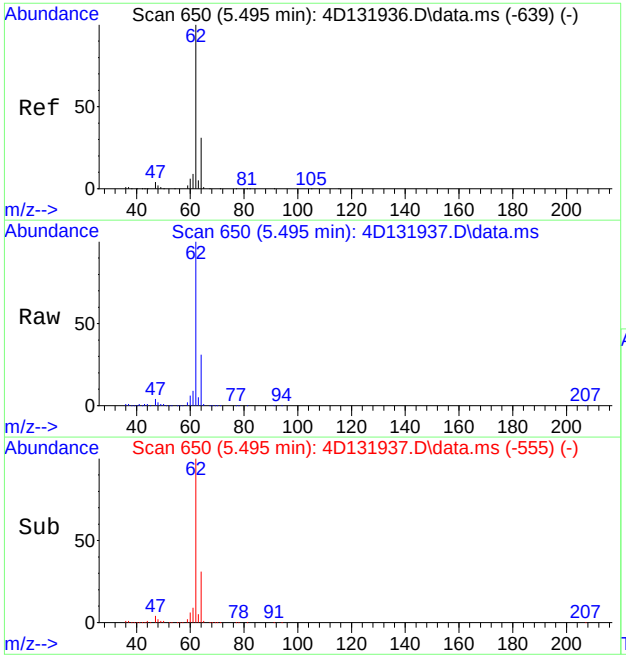


#8
chloromethane
Concen: 92.32 ug/L
RT: 5.254 min Scan# 604
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 50 Resp: 569126

Ion	Ratio	Lower	Upper
50	100		
52	33.3	2.8	62.8
49	10.1	0.0	40.0

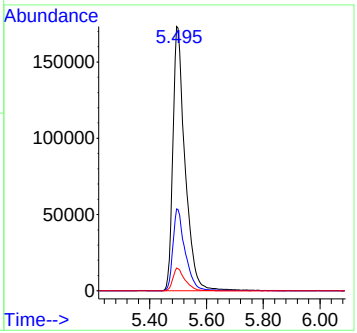


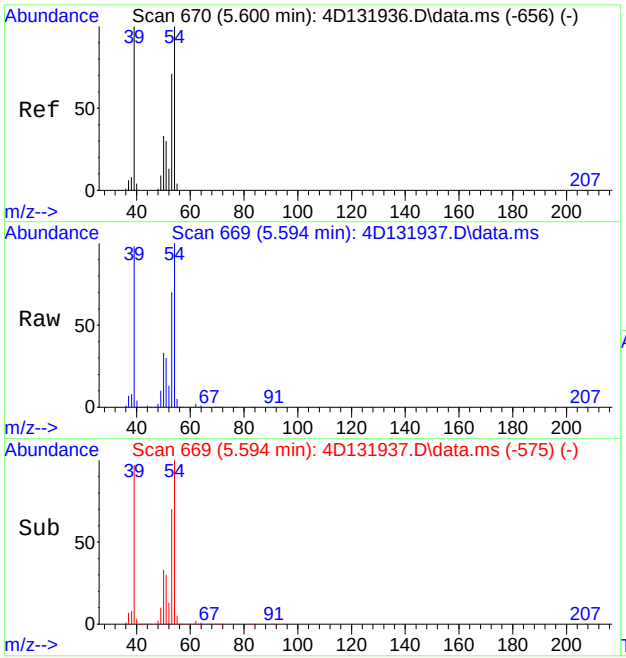


#9
vinyl chloride
Concen: 104.17 ug/L
RT: 5.495 min Scan# 650
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 62 Resp: 517921

Ion	Ratio	Lower	Upper
62	100		
64	31.0	1.2	61.2
61	8.6	0.0	38.7

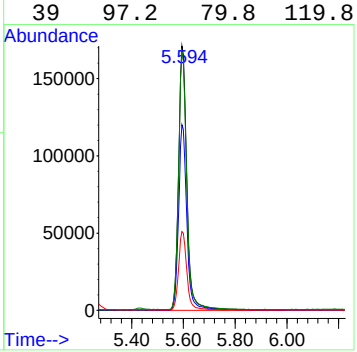


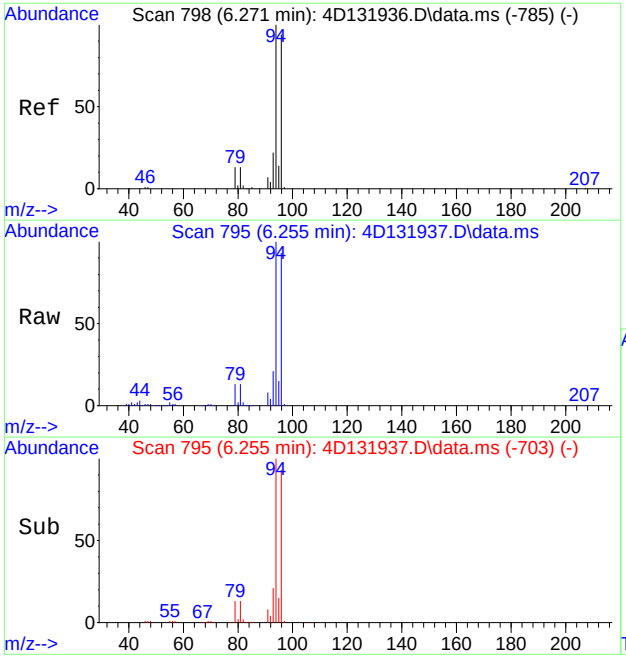


#10
1,3-butadiene
Concen: 94.92 ug/L
RT: 5.594 min Scan# 669
Delta R.T. -0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 54 Resp: 384419

Ion	Ratio	Lower	Upper
54	100		
53	70.0	41.0	101.0
51	29.7	0.0	59.6
39	97.2	79.8	119.8

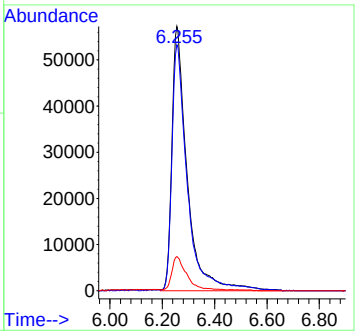


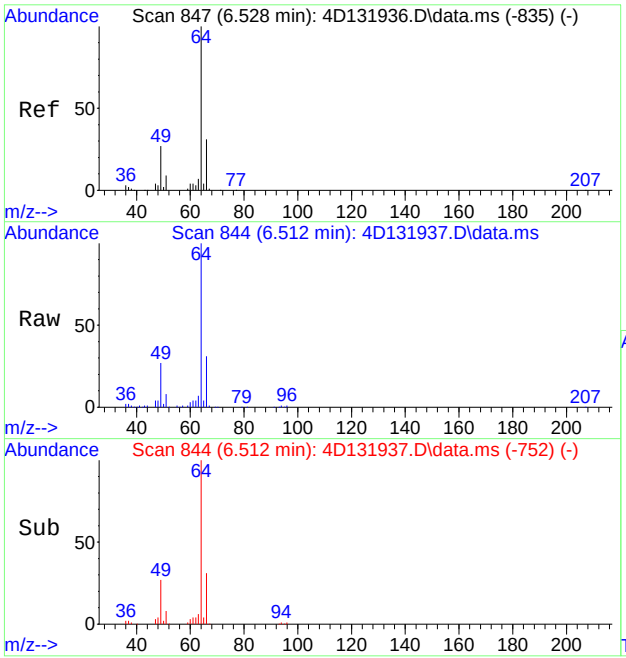


#11
bromomethane
Concen: 84.42 ug/L
RT: 6.255 min Scan# 795
Delta R.T. -0.016 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 94 Resp: 233896

Ion	Ratio	Lower	Upper
94	100		
96	93.1	63.6	123.6
79	12.9	0.0	43.4

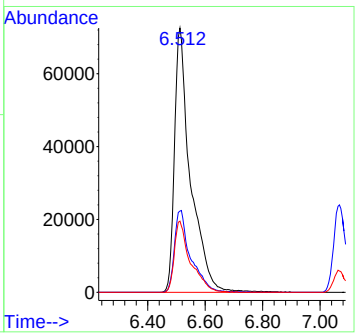


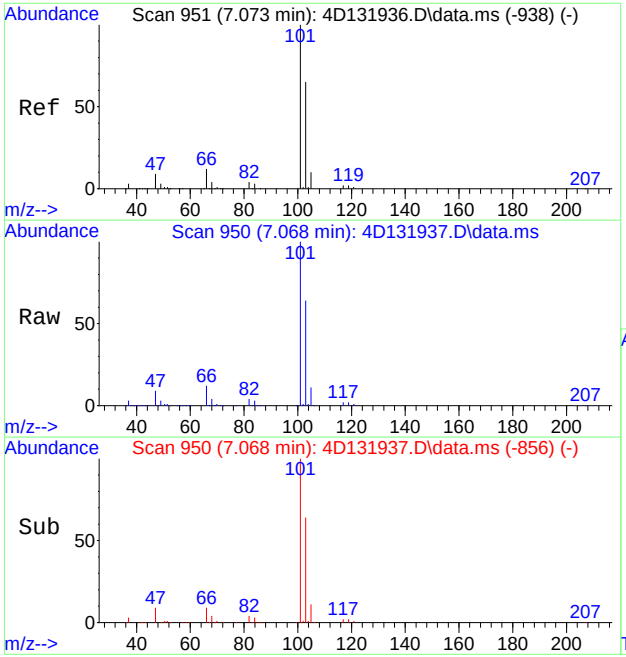


#12
chloroethane
Concen: 96.37 ug/L
RT: 6.512 min Scan# 844
Delta R.T. -0.016 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 64 Resp: 281296

Ion	Ratio	Lower	Upper
64	100		
66	30.8	1.2	61.2
49	26.9	0.0	57.3

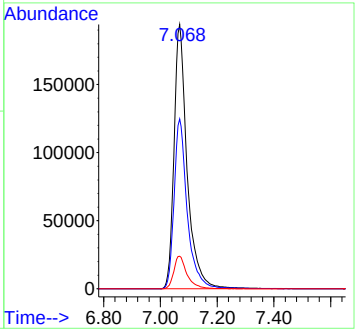


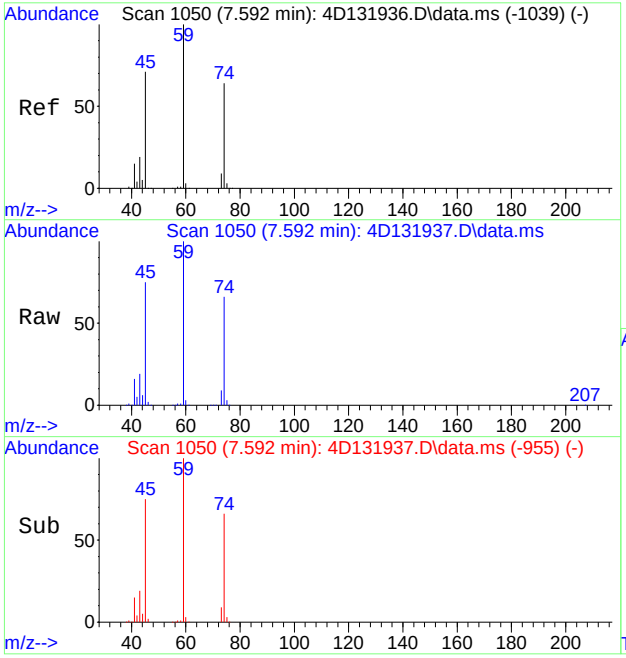


#13
trichlorofluoromethane
Concen: 106.15 ug/L
RT: 7.068 min Scan# 950
Delta R.T. -0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:101 Resp: 624635

Ion	Ratio	Lower	Upper
101	100		
103	64.2	35.1	95.1
66	12.4	0.0	42.2

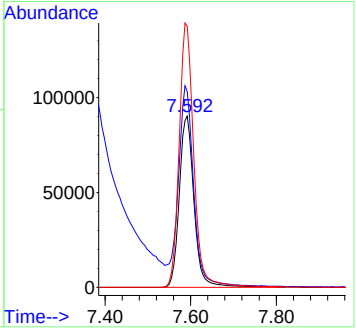


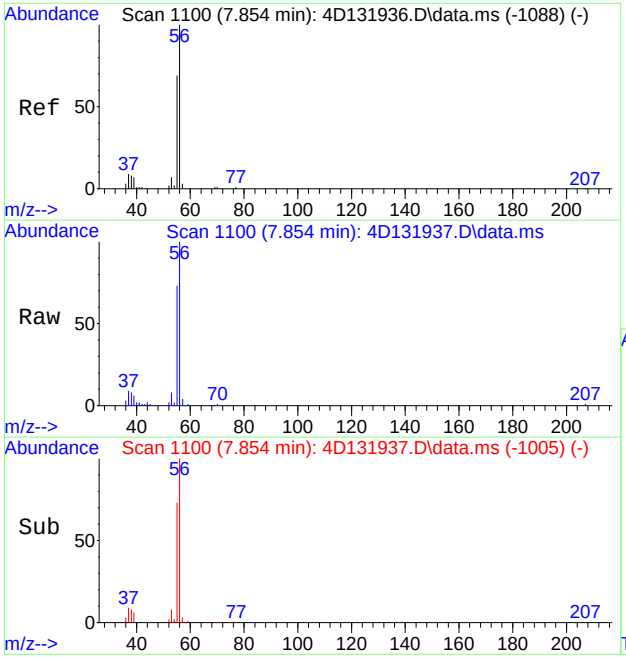


#14
ethyl ether
Concen: 106.49 ug/L
RT: 7.592 min Scan# 1050
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 74 Resp: 216345

Ion	Ratio	Lower	Upper
74	100		
45	113.6	89.0	149.0
59	152.2	125.8	185.8

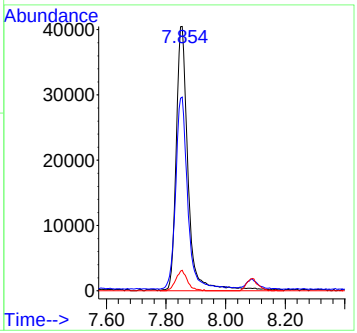


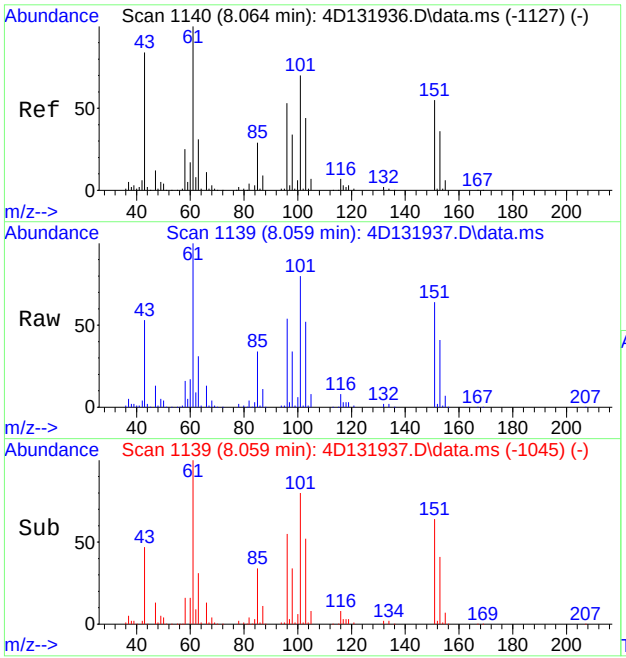


#15
acrolein
Concen: 88.83 ug/L
RT: 7.854 min Scan# 1100
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 56 Resp: 112648

Ion	Ratio	Lower	Upper
56	100		
55	72.6	38.7	98.7
53	7.8	0.0	37.5

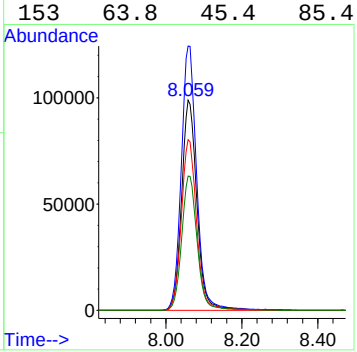


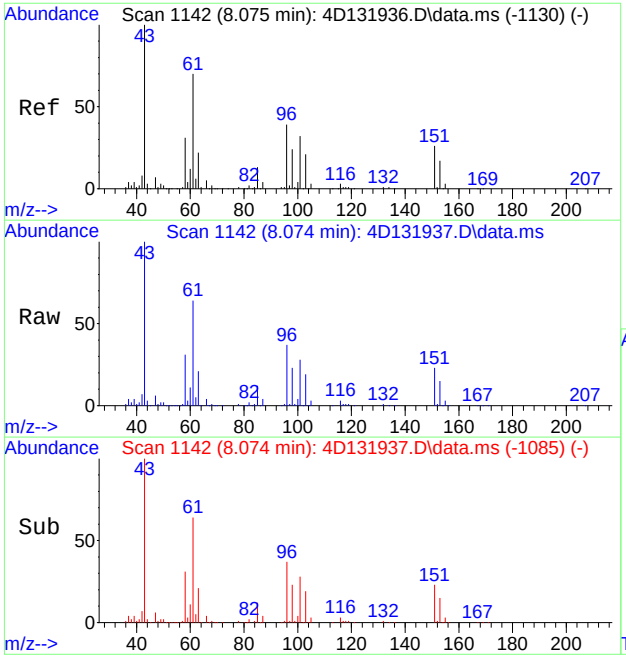


#16
freon 113
Concen: 104.85 ug/L
RT: 8.059 min Scan# 1139
Delta R.T. -0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:151 Resp: 278257

Ion	Ratio	Lower	Upper
151	100		
101	125.8	107.6	147.6
103	81.2	61.2	101.2
153	63.8	45.4	85.4

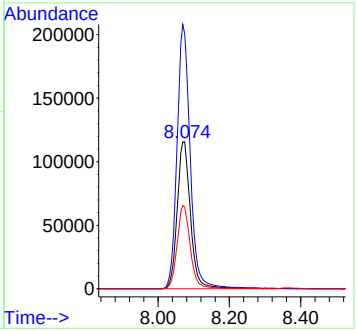


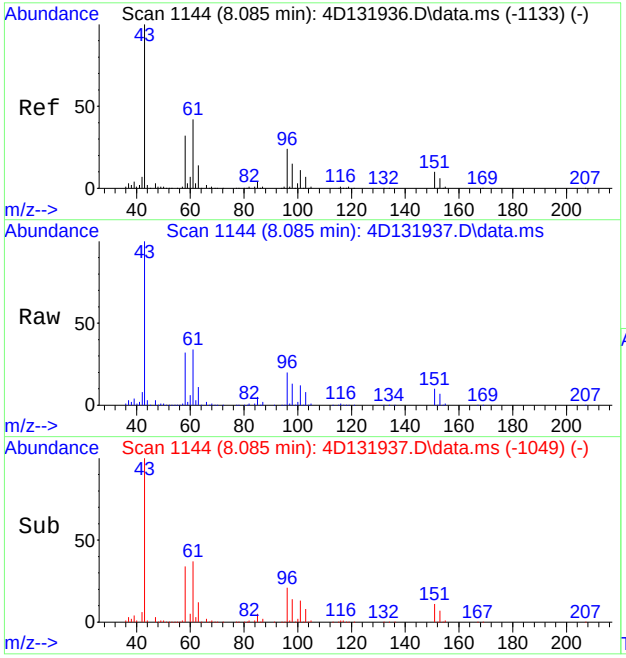


#17
1,1-dichloroethene
Concen: 98.06 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 96 Resp: 301209

Ion	Ratio	Lower	Upper
96	100		
61	173.2	149.0	209.0
63	55.4	26.1	86.1

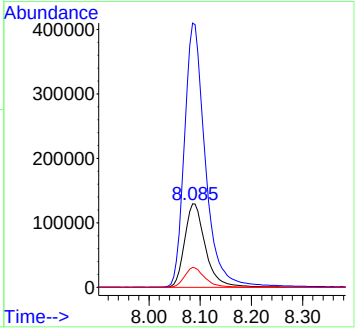


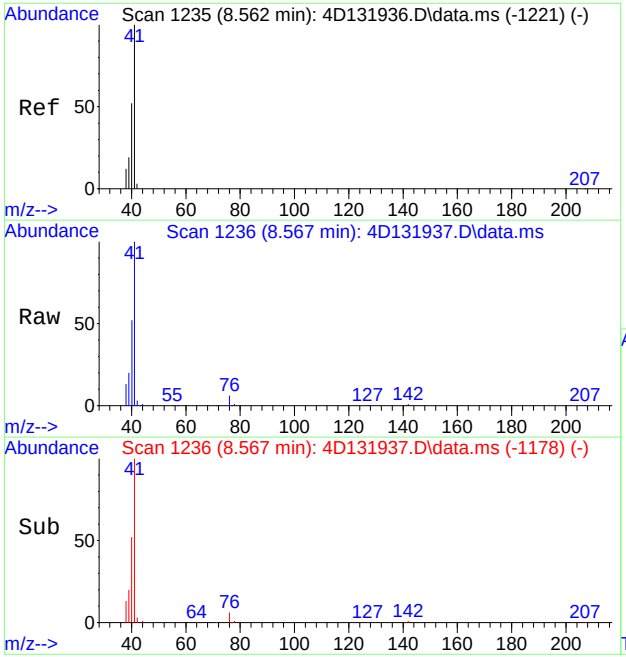


#18
acetone
Concen: 405.55 ug/L
RT: 8.085 min Scan# 1144
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 58 Resp: 369219

Ion	Ratio	Lower	Upper
58	100		
43	315.5	285.1	345.1
42	23.8	0.0	53.5

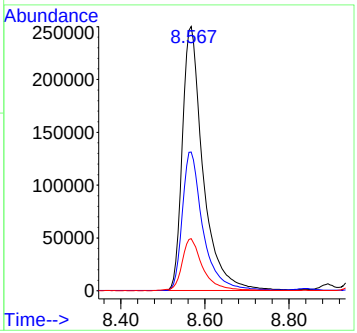


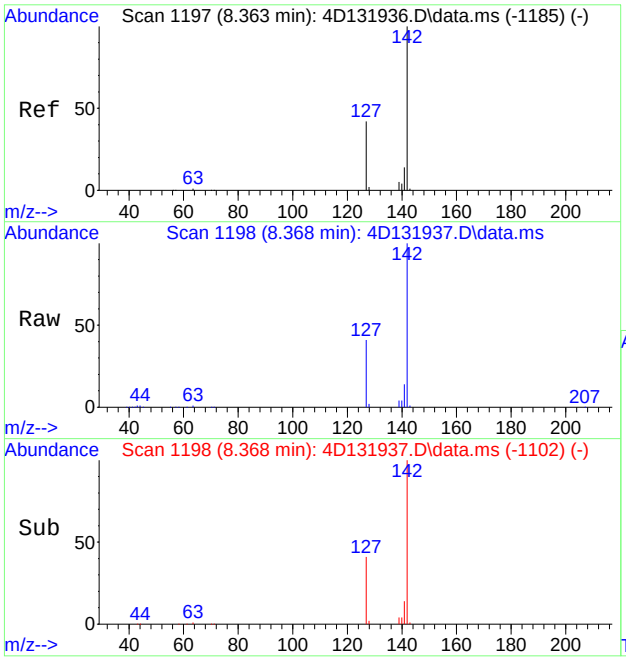


#19
acetonitrile
Concen: 942.61 ug/L
RT: 8.567 min Scan# 1236
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 41 Resp: 855412

Ion	Ratio	Lower	Upper
41	100		
40	52.4	22.4	82.4
39	19.6	0.0	49.2

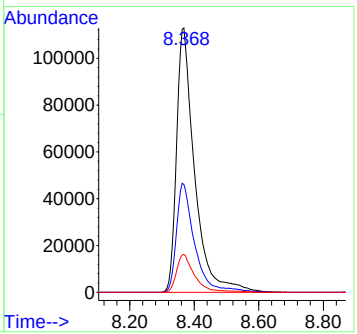


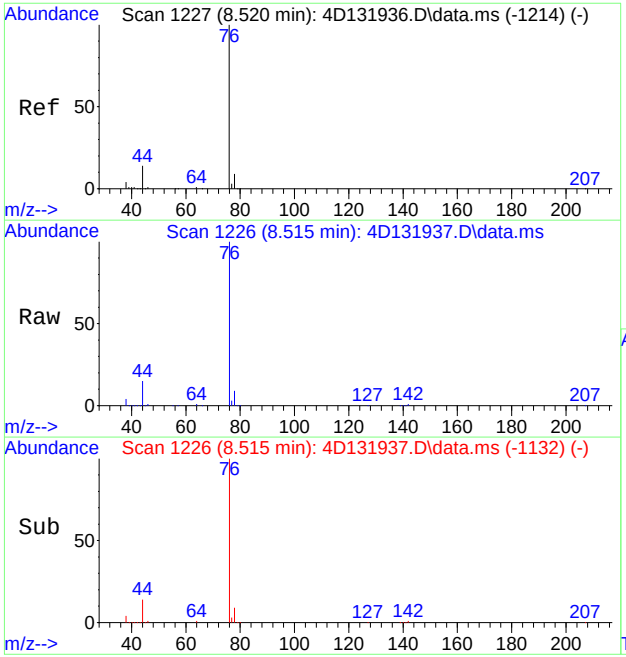


#20
iodomethane
Concen: 138.97 ug/L
RT: 8.368 min Scan# 1198
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:142 Resp: 440289

Ion	Ratio	Lower	Upper
142	100		
127	40.8	11.7	71.7
141	14.3	0.0	44.4

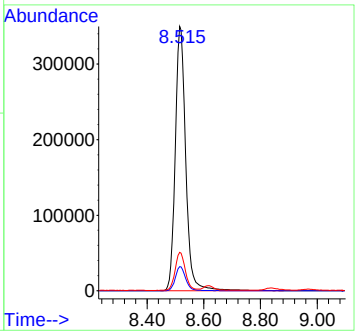


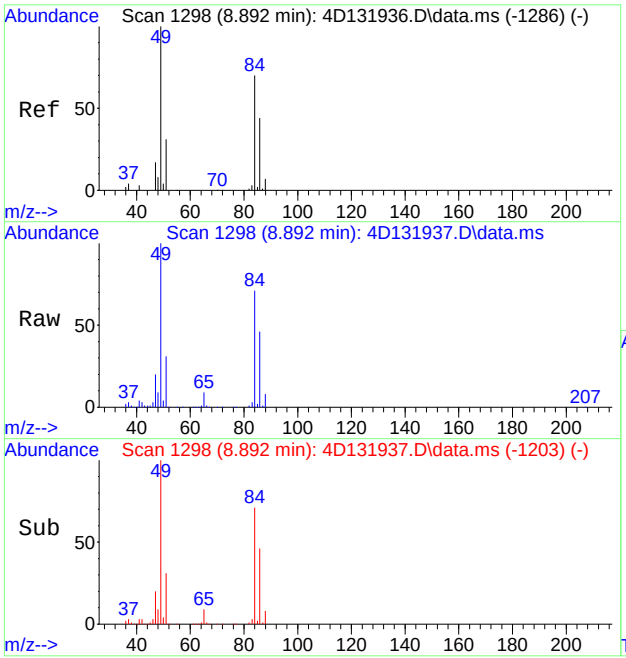


#21
carbon disulfide
Concen: 93.20 ug/L
RT: 8.515 min Scan# 1226
Delta R.T. -0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 76 Resp: 897959

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	39.2
44	14.4	0.0	44.4

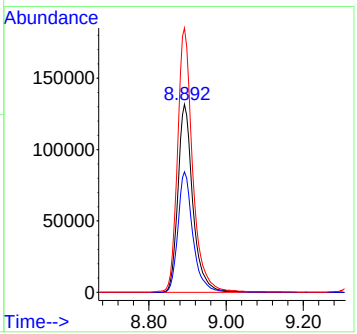


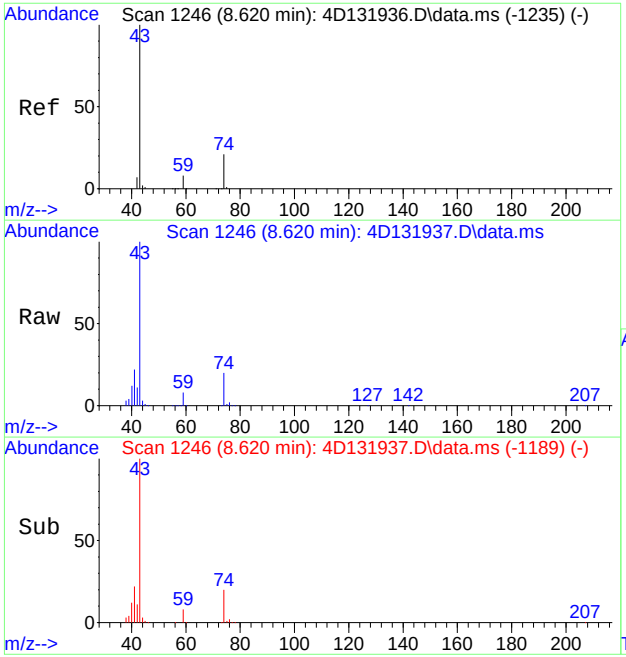


#22
methylene chloride
Concen: 84.96 ug/L
RT: 8.892 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 84 Resp: 356256

Ion	Ratio	Lower	Upper
84	100		
86	64.0	33.7	93.7
49	140.4	114.9	174.9

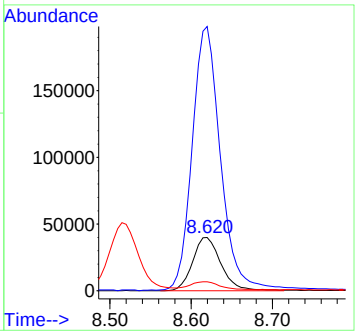


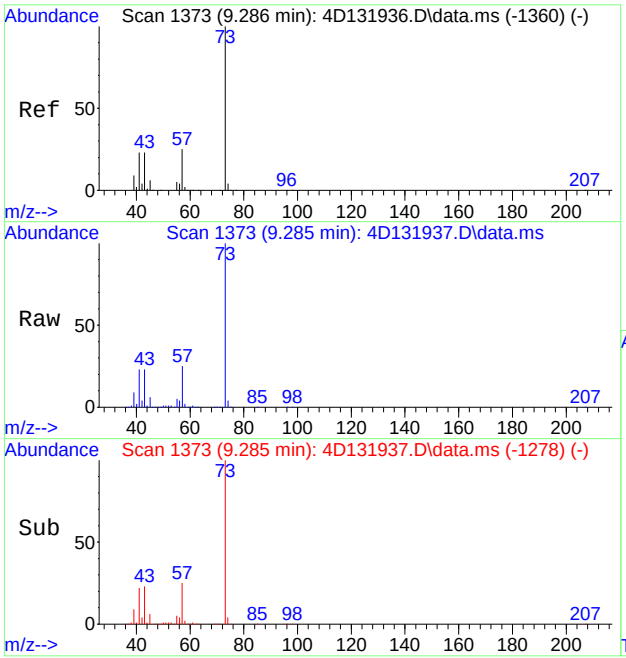


#23
methyl acetate
Concen: 103.94 ug/L
RT: 8.620 min Scan# 1246
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 74 Resp: 97414

Ion	Ratio	Lower	Upper
74	100		
43	493.2	453.1	513.1
44	14.8	0.0	45.1

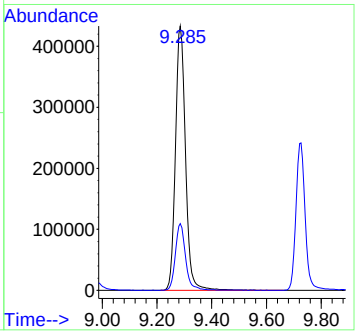


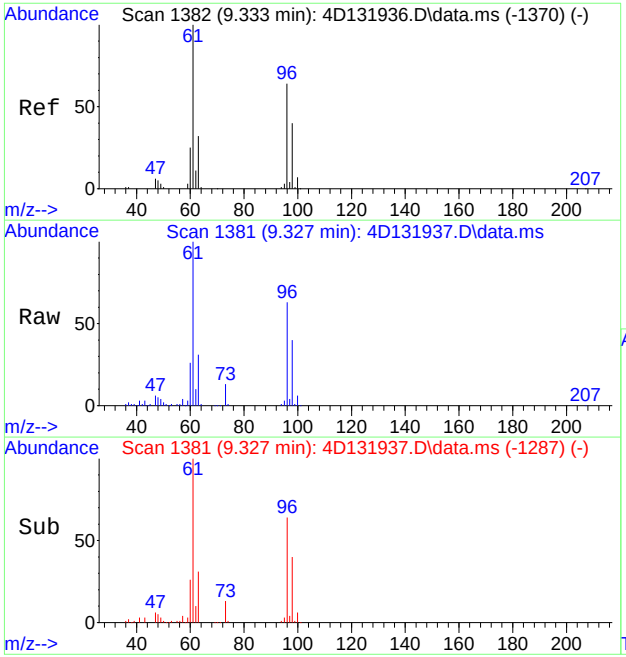


#24
methyl tert butyl ether
Concen: 96.14 ug/L
RT: 9.285 min Scan# 1373
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 73 Resp: 1103289

Ion	Ratio	Lower	Upper
73	100		
57	25.2	0.0	224.6

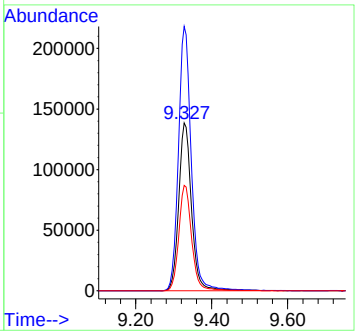


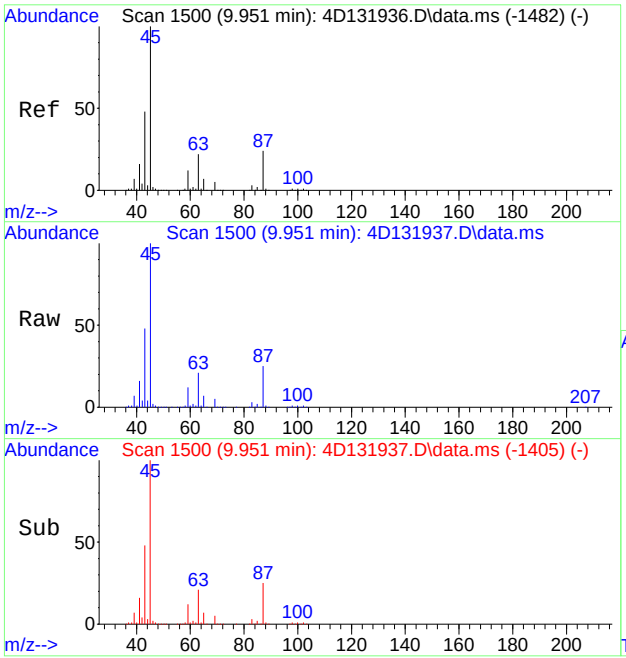


#25
trans-1,2-dichloroethene
Concen: 93.63 ug/L
RT: 9.327 min Scan# 1381
Delta R.T. -0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 96 Resp: 327269

Ion	Ratio	Lower	Upper
96	100		
61	157.6	126.5	186.5
98	62.9	33.3	93.3

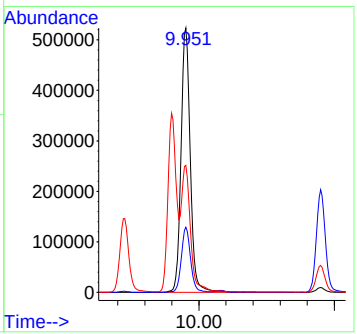


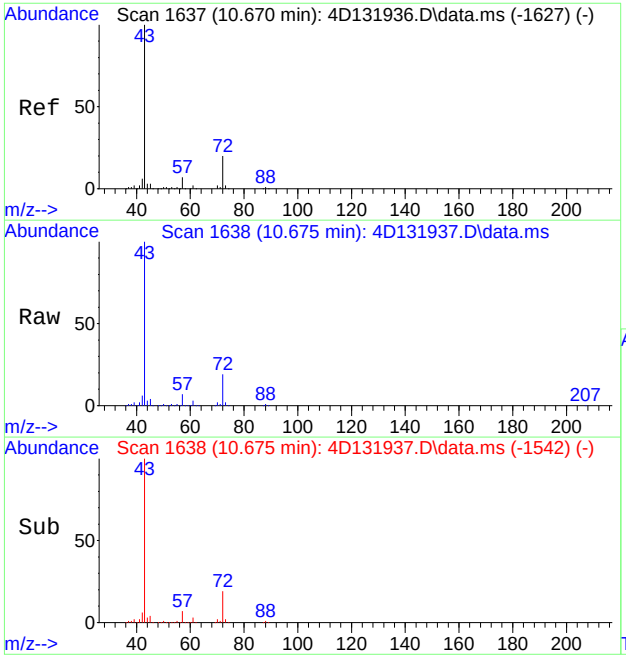


#26
di-isopropyl ether
Concen: 90.77 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 45 Resp: 1257321

Ion	Ratio	Lower	Upper
45	100		
87	24.6	0.0	54.4
43	47.9	18.8	78.8

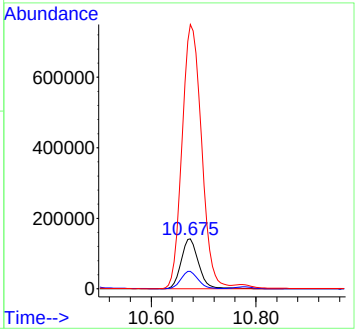


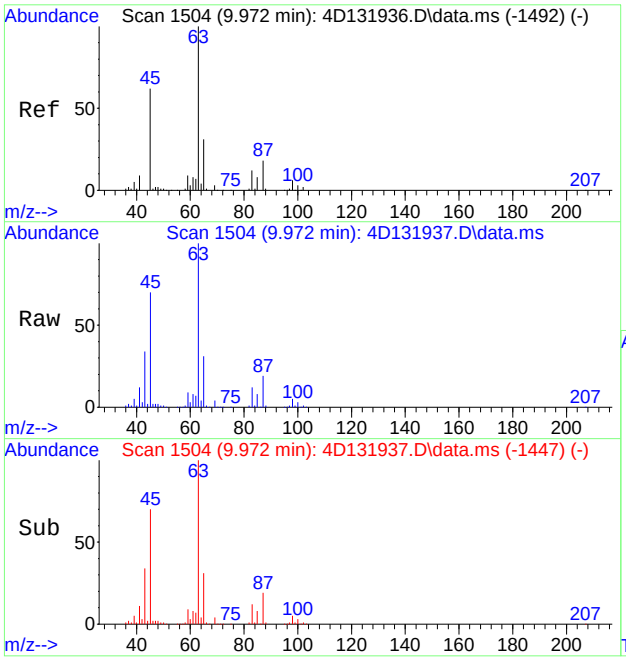


#27
2-butanone
Concen: 399.21 ug/L
RT: 10.675 min Scan# 1638
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 72 Resp: 329597

Ion	Ratio	Lower	Upper
72	100		
57	34.4	3.7	63.7
43	528.8	475.8	535.8

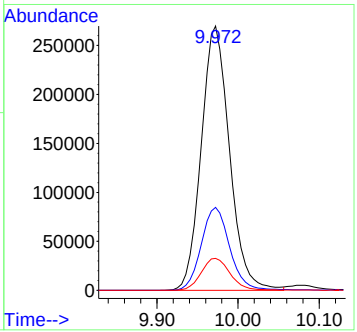


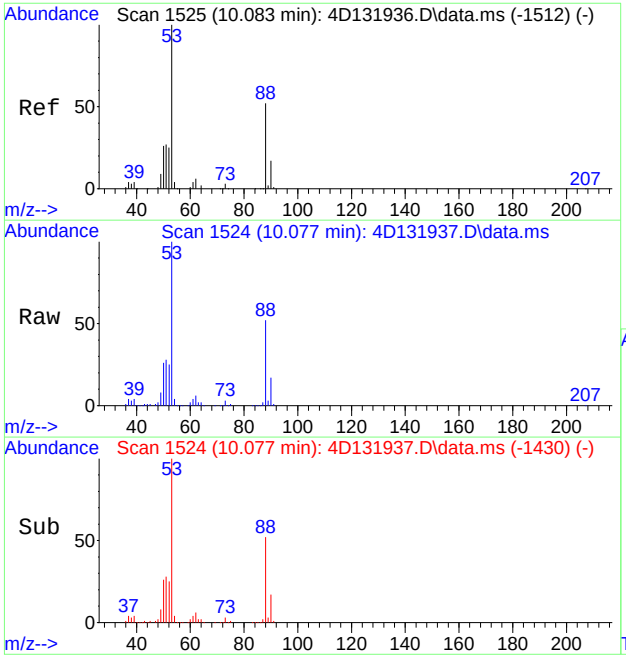


#28
1,1-dichloroethane
Concen: 92.11 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 63 Resp: 653632

Ion	Ratio	Lower	Upper
63	100		
65	31.3	0.9	60.9
83	12.2	0.0	42.3

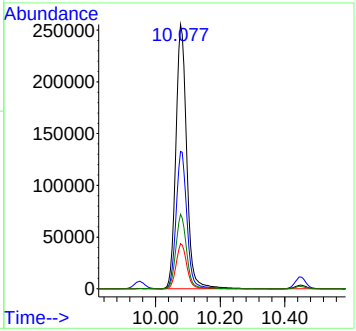


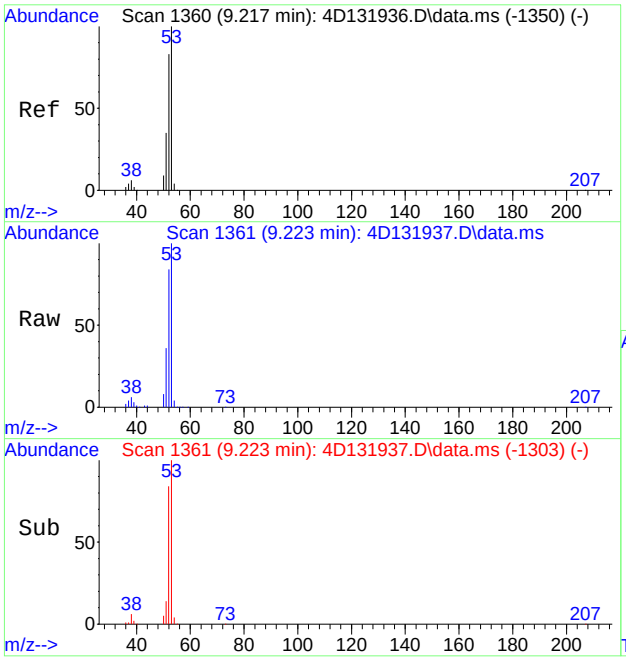


#29
chloroprene
Concen: 93.52 ug/L
RT: 10.077 min Scan# 1524
Delta R.T. -0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 53 Resp: 599685

Ion	Ratio	Lower	Upper
53	100		
88	52.0	21.8	81.8
90	17.1	0.0	47.2
51	28.2	0.0	57.5

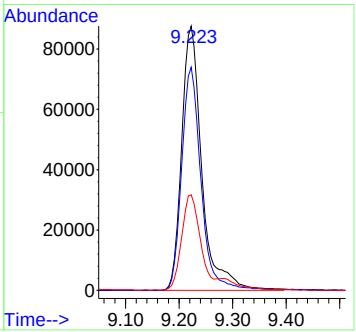


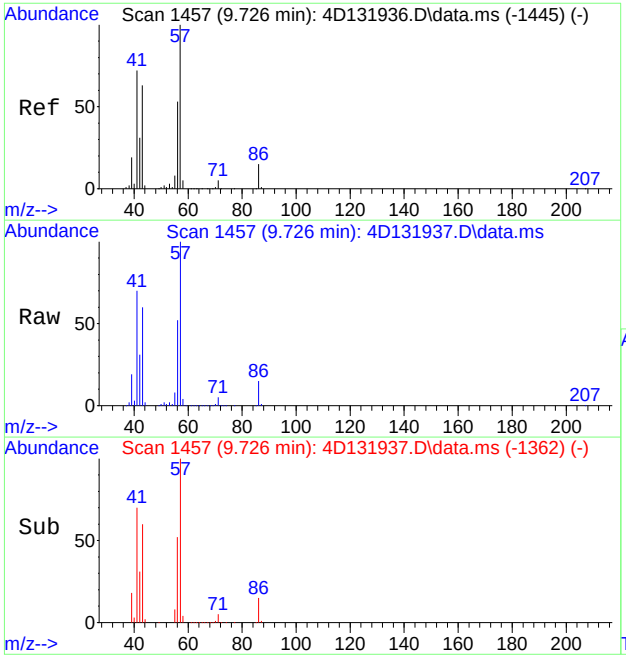


#30
acrylonitrile
Concen: 97.36 ug/L
RT: 9.223 min Scan# 1361
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 53 Resp: 230971

Ion	Ratio	Lower	Upper
53	100		
52	84.4	53.4	113.4
51	36.2	5.0	65.0

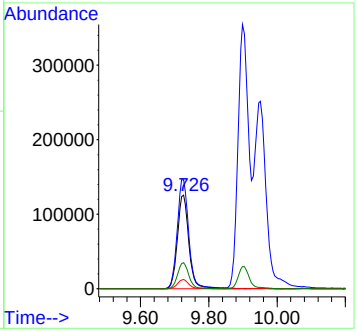


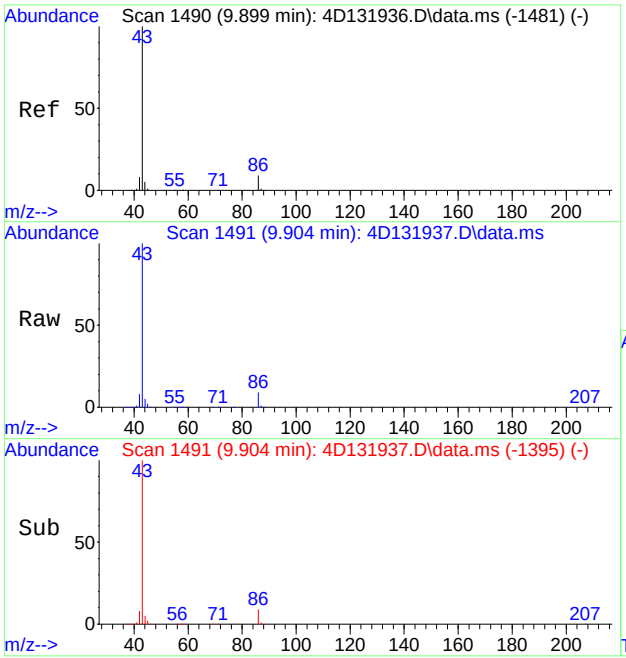


#31
hexane
Concen: 88.52 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 56 Resp: 295168

Ion	Ratio	Lower	Upper
56	100		
43	116.2	98.5	138.5
71	10.0	0.0	30.3
86	28.0	7.7	47.7

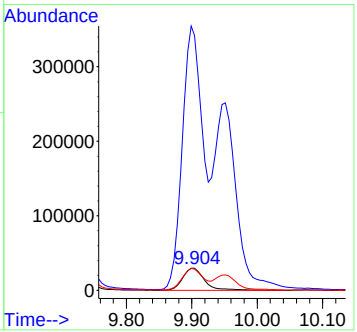


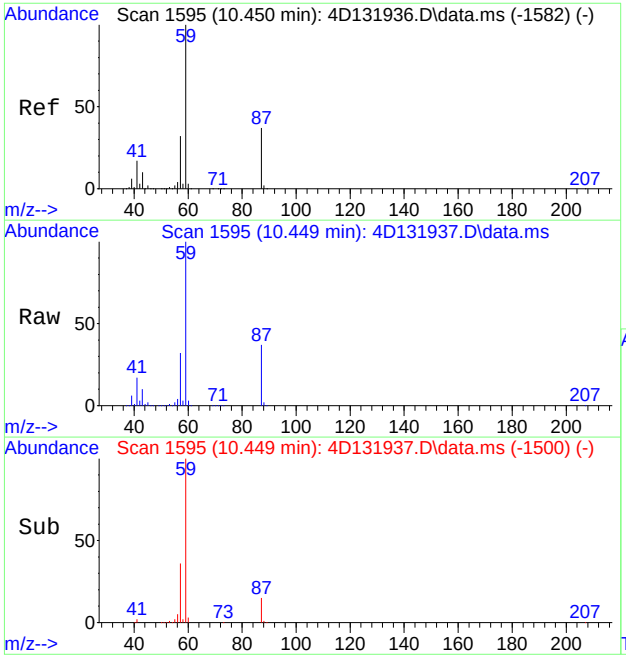


#32
vinyl acetate
Concen: 84.64 ug/L
RT: 9.904 min Scan# 1491
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 86 Resp: 69765

Ion	Ratio	Lower	Upper
86	100		
43	1146.6	1142.7	1202.7
42	94.5	69.4	129.4

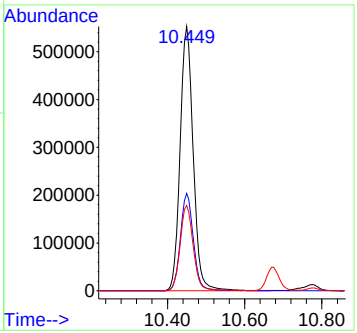


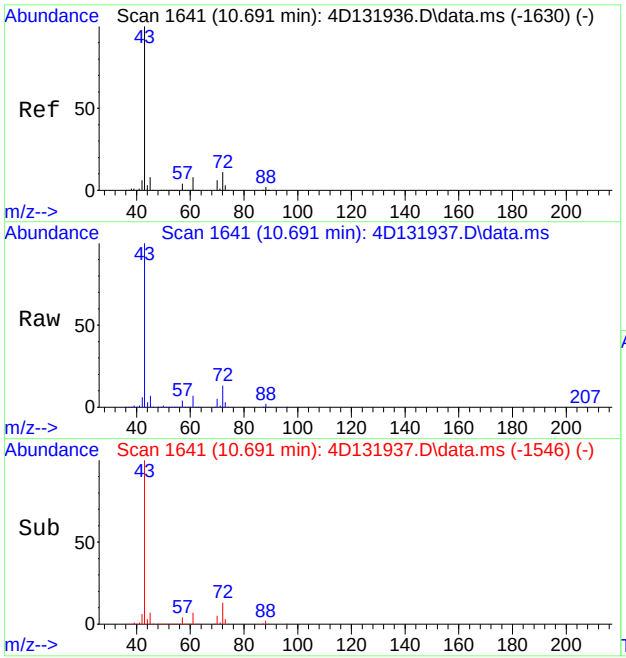


#33
ethyl tert-butyl ether
Concen: 95.65 ug/L
RT: 10.449 min Scan# 1595
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 59 Resp: 1303182

Ion	Ratio	Lower	Upper
59	100		
87	36.8	6.6	66.6
57	32.2	2.2	62.2

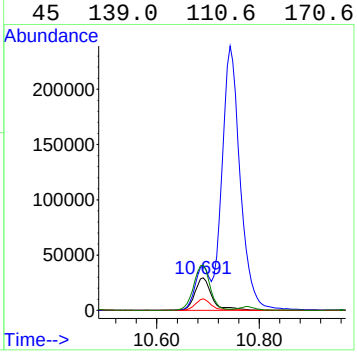


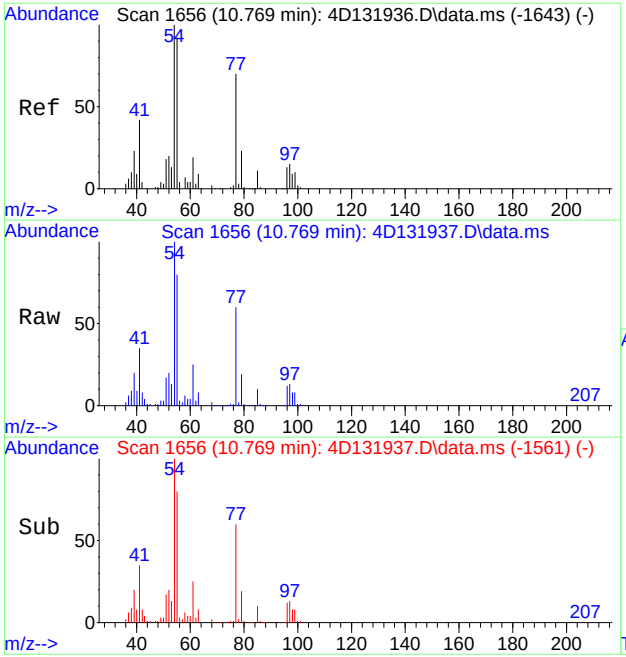


#34
ethyl acetate
Concen: 84.45 ug/L
RT: 10.691 min Scan# 1641
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 70 Resp: 68733

Ion	Ratio	Lower	Upper
70	100		
61	138.5	108.4	168.4
88	35.4	5.9	65.9
45	139.0	110.6	170.6

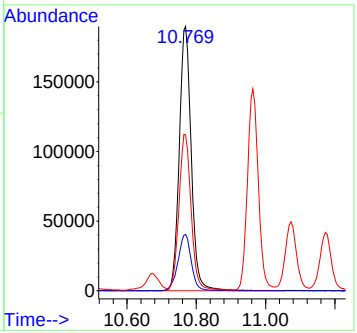


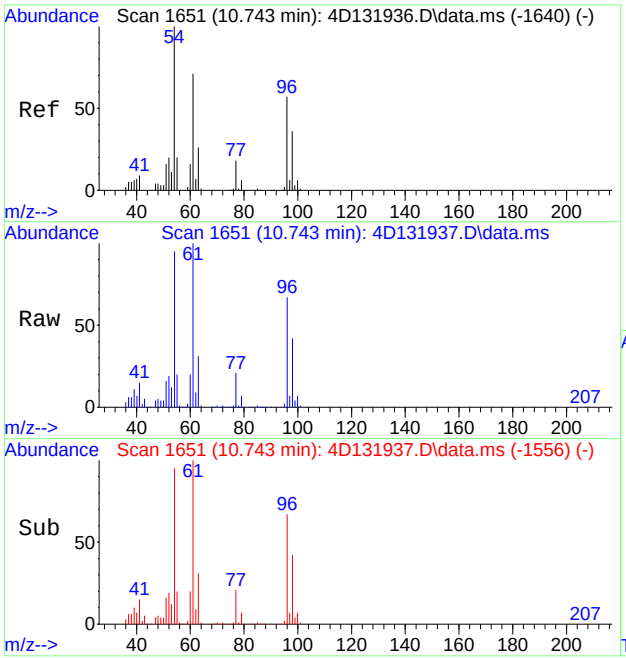


#35
2,2-dichloropropane
Concen: 77.12 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 77 Resp: 459746

Ion	Ratio	Lower	Upper
77	100		
97	21.3	0.0	51.9
41	56.0	29.6	89.6

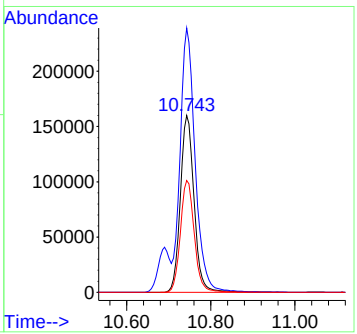


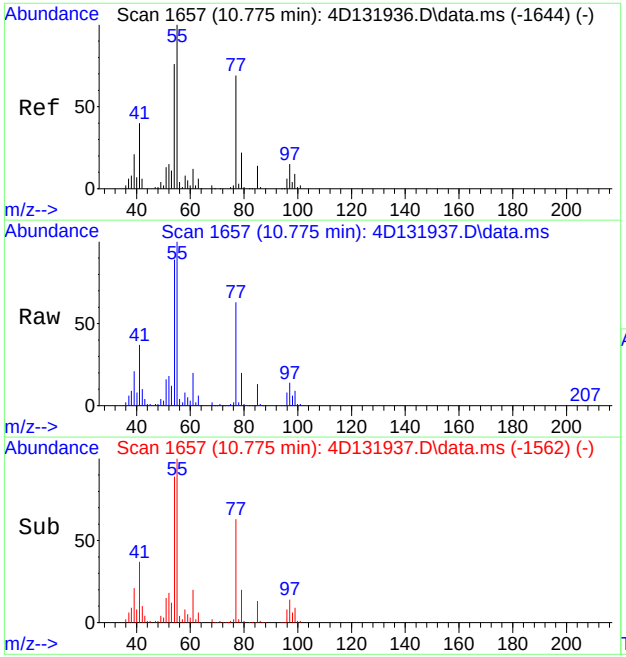


#36
cis-1,2-dichloroethene
Concen: 88.20 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 96 Resp: 363625

Ion	Ratio	Lower	Upper
96	100		
61	149.5	119.6	179.6
98	63.3	34.3	94.3

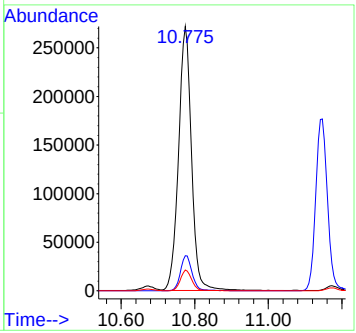


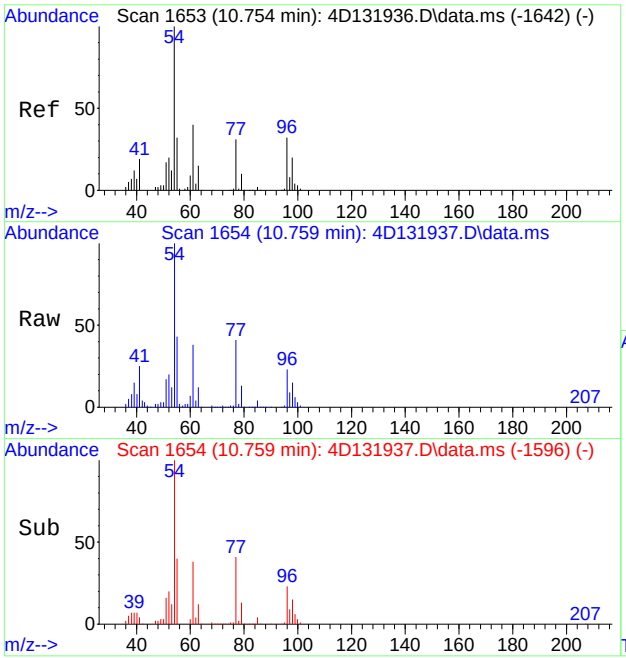


#37
methyl acrylate
Concen: 89.90 ug/L
RT: 10.775 min Scan# 1657
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 55 Resp: 663881

Ion	Ratio	Lower	Upper
55	100		
85	13.3	0.0	43.7
58	7.9	0.0	38.0

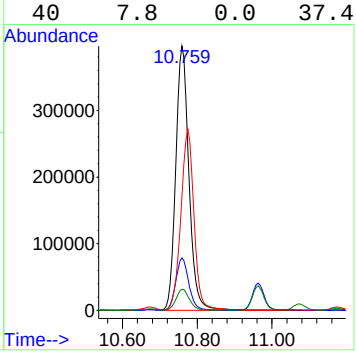


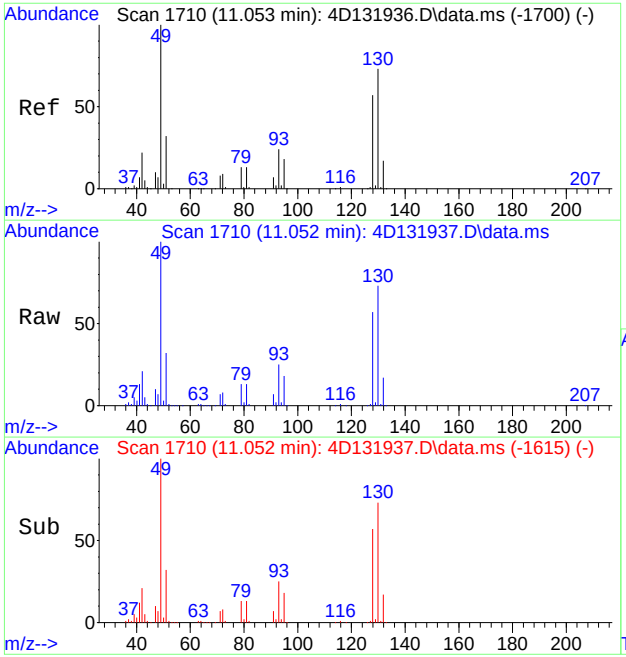


#38
propionitrile
Concen: 898.29 ug/L
RT: 10.759 min Scan# 1654
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 54 Resp: 966920

Ion	Ratio	Lower	Upper
54	100		
52	19.8	0.0	49.8
55	43.0	2.6	62.6
40	7.8	0.0	37.4

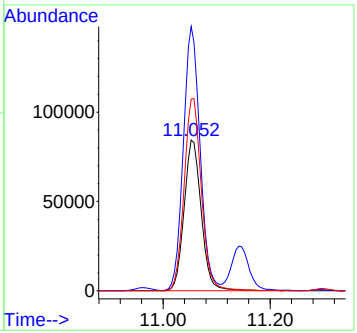


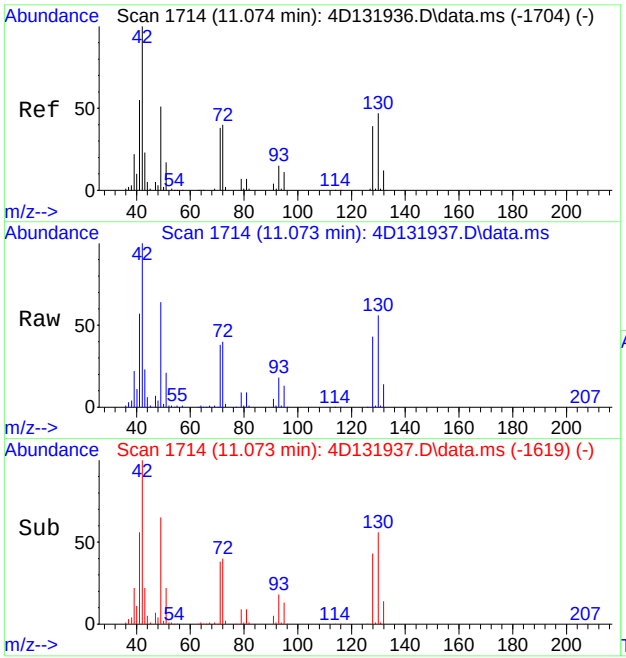


#39
bromochloromethane
Concen: 92.18 ug/L
RT: 11.052 min Scan# 1710
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:128 Resp: 188457

Ion	Ratio	Lower	Upper
128	100		
49	175.1	145.9	205.9
130	127.2	97.8	157.8

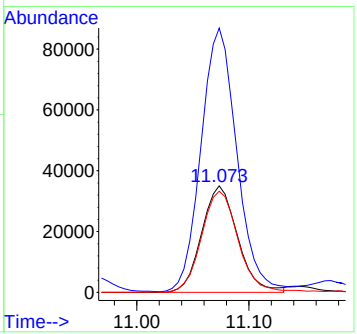


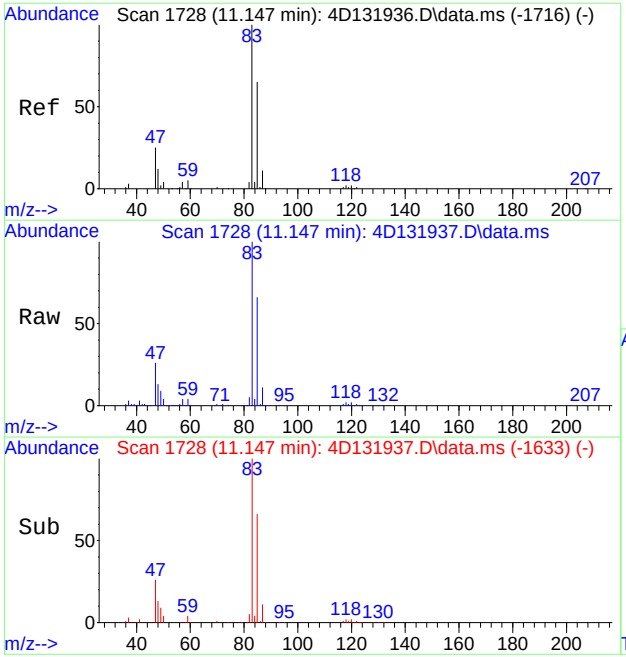


#40
tetrahydrofuran
Concen: 90.48 ug/L
RT: 11.073 min Scan# 1714
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 72 Resp: 78203

Ion	Ratio	Lower	Upper
72	100		
42	247.7	219.9	279.9
71	95.1	66.1	126.1

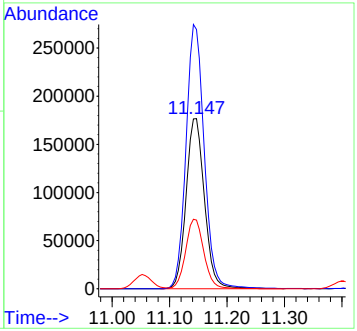


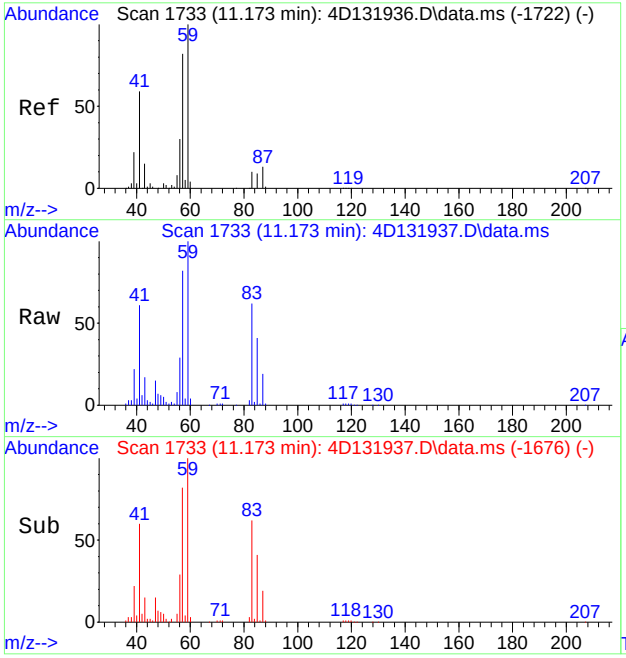


#41
chloroform
Concen: 72.19 ug/L
RT: 11.147 min Scan# 1728
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 85 Resp: 394069

Ion	Ratio	Lower	Upper
85	100		
83	152.2	123.5	183.5
47	40.3	9.8	69.8

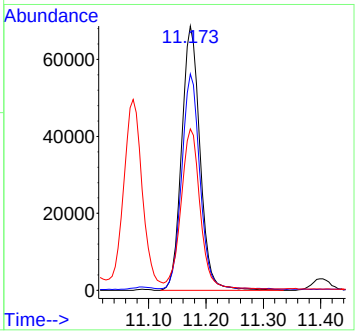


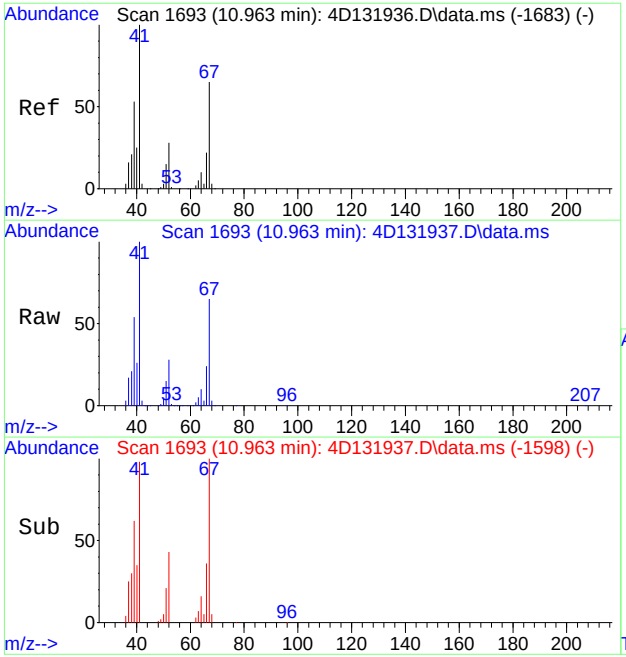


#42
t-butyl formate
Concen: 84.24 ug/L
RT: 11.173 min Scan# 1733
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 59 Resp: 153254

Ion	Ratio	Lower	Upper
59	100		
57	81.4	51.8	111.8
41	60.5	32.4	92.4

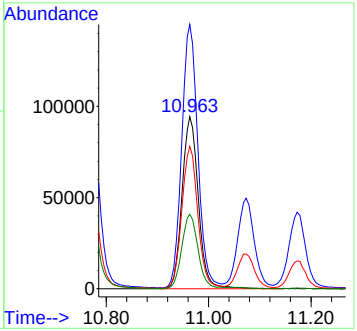


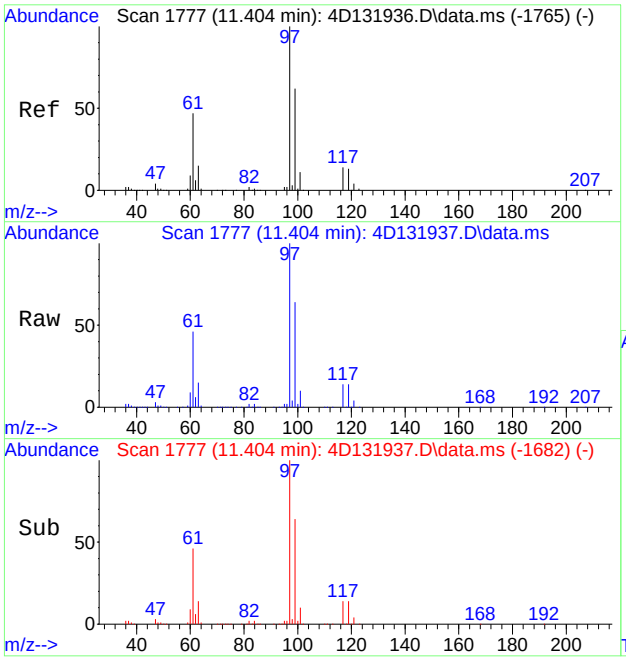


#44
methacrylonitrile
Concen: 90.60 ug/L
RT: 10.963 min Scan# 1693
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 67 Resp: 209319

Ion	Ratio	Lower	Upper
67	100		
41	152.9	123.0	183.0
39	82.4	50.9	110.9
52	43.1	12.9	72.9

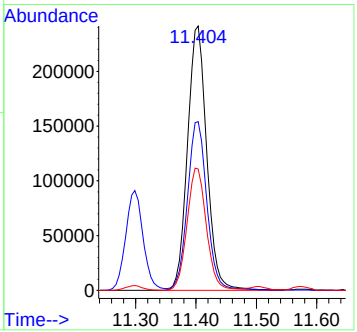


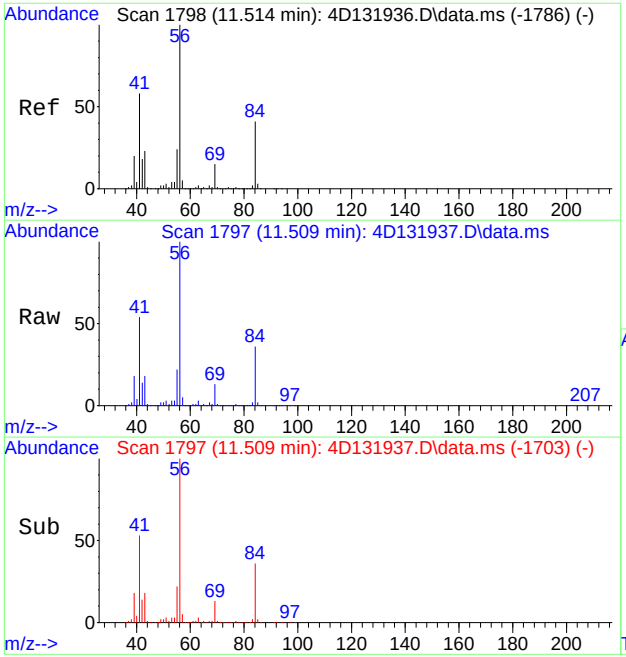


#45
1,1,1-trichloroethane
Concen: 95.84 ug/L
RT: 11.404 min Scan# 1777
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 97 Resp: 534994

Ion	Ratio	Lower	Upper
97	100		
99	63.7	34.4	94.4
61	45.9	16.6	76.6

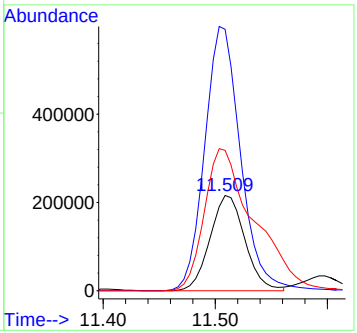


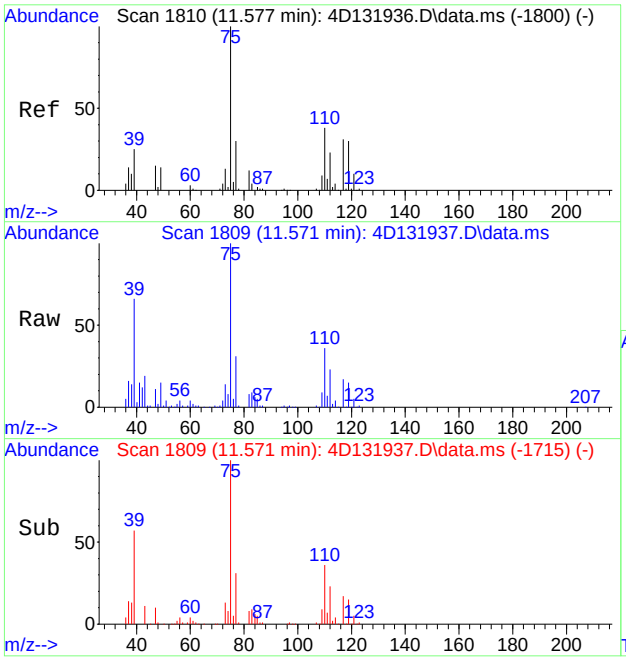


#46
cyclohexane
Concen: 92.39 ug/L
RT: 11.509 min Scan# 1797
Delta R.T. -0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 84 Resp: 469832

Ion	Ratio	Lower	Upper
84	100		
56	274.5	225.3	265.3#
41	147.4	121.5	161.5

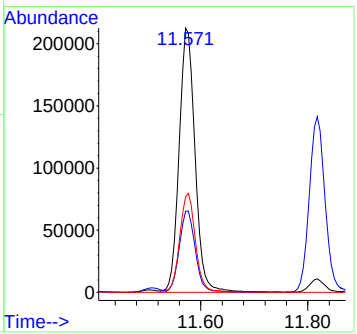


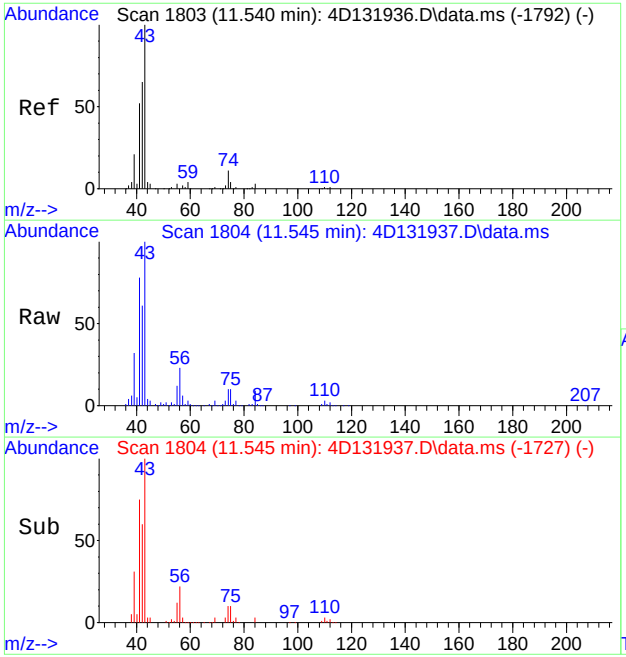


#47
1,1-dichloropropene
Concen: 93.30 ug/L
RT: 11.571 min Scan# 1809
Delta R.T. -0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 75 Resp: 441736

Ion	Ratio	Lower	Upper
75	100		
77	30.6	11.0	51.0
110	36.2	17.6	57.6

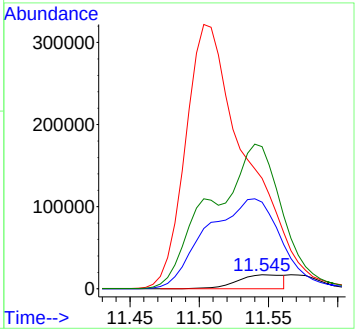


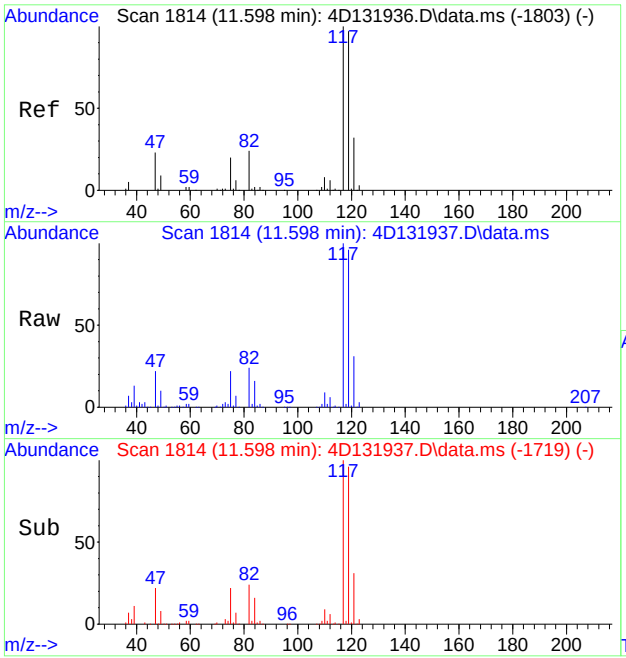


#48
isobutyl alcohol
Concen: 927.89 ug/L
RT: 11.545 min Scan# 1804
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 74 Resp: 40182

Ion	Ratio	Lower	Upper
74	100		
42	599.6	546.1	606.1
41	697.3	593.5	653.5#
43	975.5	856.3	916.3#

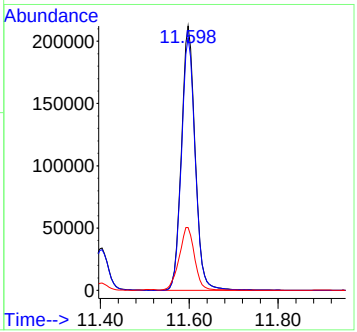


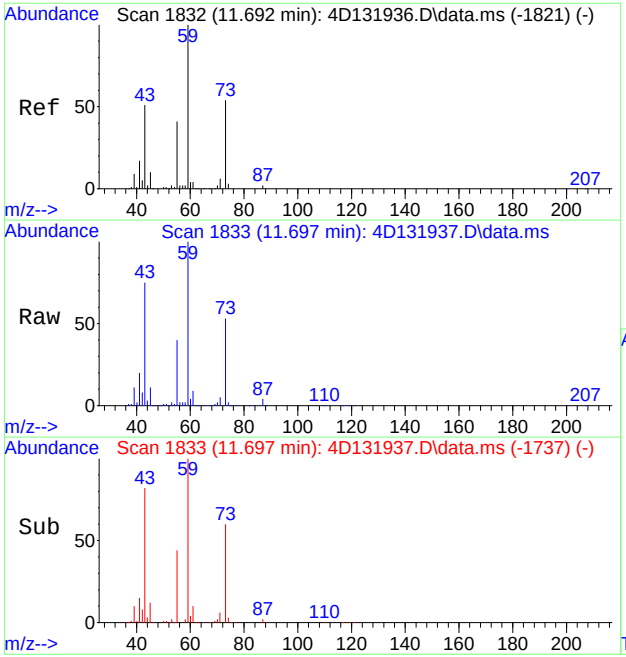


#49
carbon tetrachloride
Concen: 94.26 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:117 Resp: 455981

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.2	117.2
82	23.8	4.2	44.2

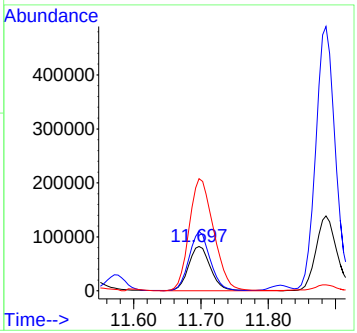


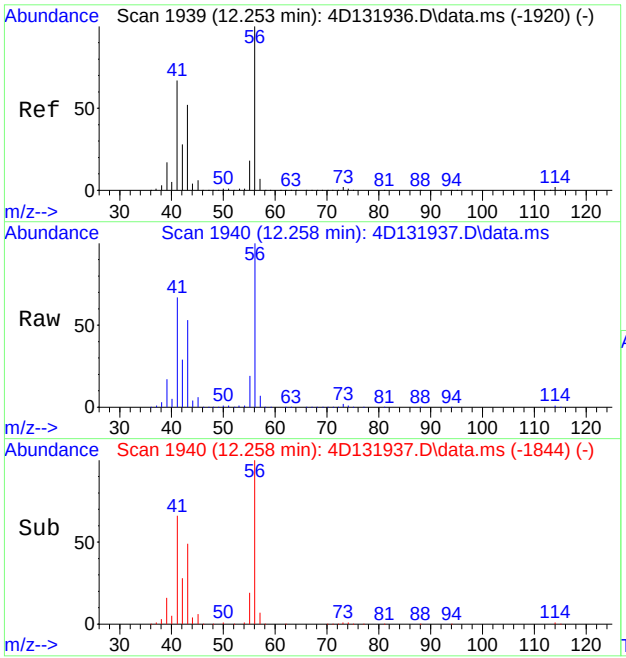


#50
tert amyl alcohol
Concen: 445.36 ug/L
RT: 11.697 min Scan# 1833
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 55 Resp: 185197

Ion	Ratio	Lower	Upper
55	100		
73	133.9	100.3	160.3
59	253.5	213.3	273.3

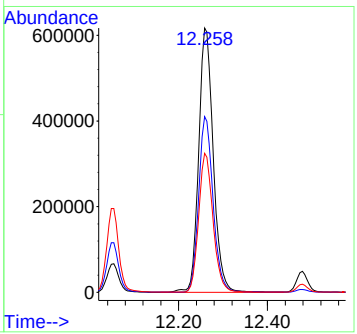


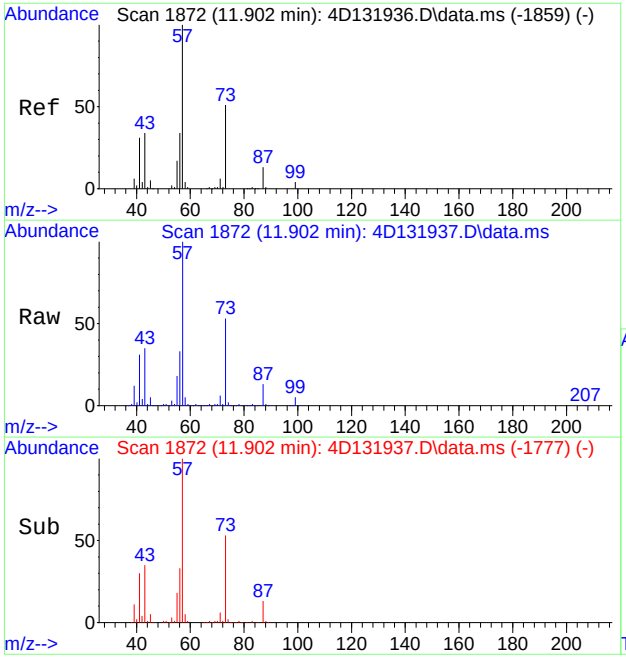


#53
n-butyl alcohol
Concen: 4443.18 ug/L
RT: 12.258 min Scan# 1940
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 56 Resp: 1397247

Ion	Ratio	Lower	Upper
56	100		
41	66.4	36.6	96.6
43	52.5	22.4	82.4

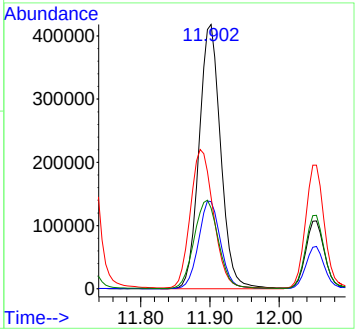


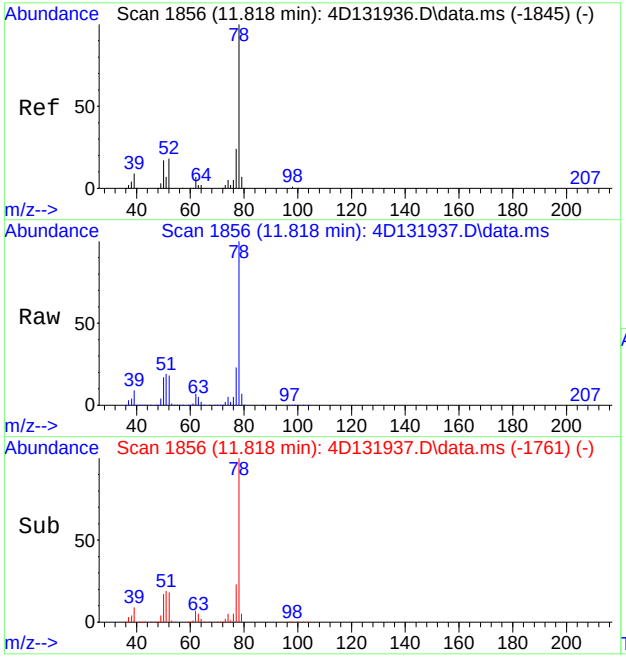


#54
2,2,4-trimethylpentane
Concen: 84.29 ug/L
RT: 11.902 min Scan# 1872
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 57 Resp: 903870

Ion	Ratio	Lower	Upper
57	100		
56	32.9	3.6	63.6
43	34.4	4.6	64.6
41	30.4	0.9	60.9

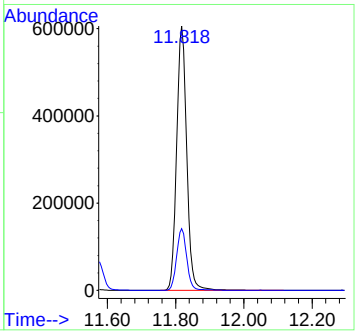


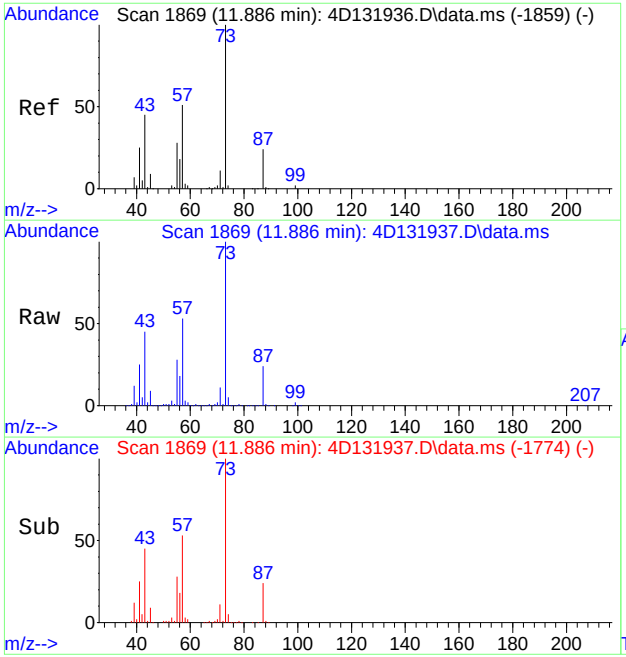


#55
benzene
Concen: 89.57 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 78 Resp: 1239585

Ion	Ratio	Lower	Upper
78	100		
77	23.3	0.0	53.7

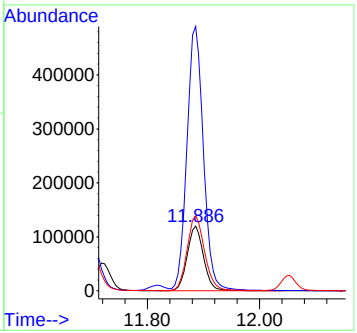


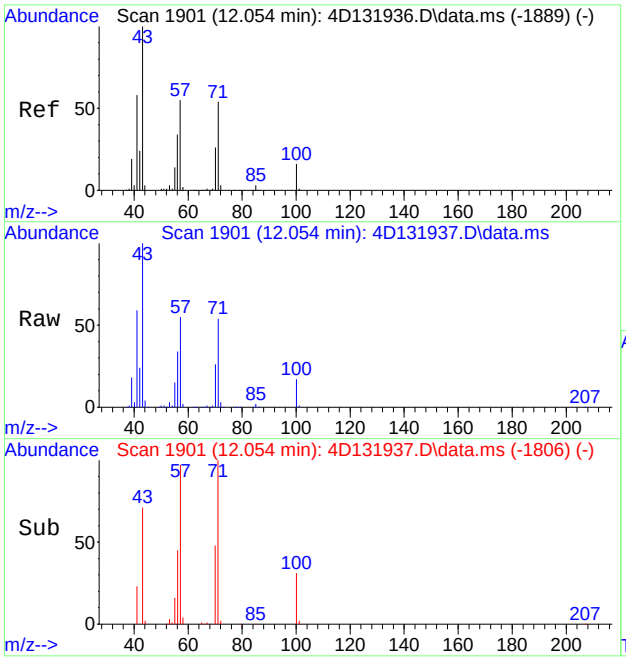


#56
tert-amyl methyl ether
Concen: 92.14 ug/L
RT: 11.886 min Scan# 1869
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 87 Resp: 242717

Ion	Ratio	Lower	Upper
87	100		
73	408.2	382.6	442.6
55	115.4	85.4	145.4

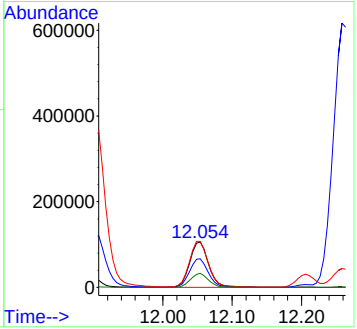


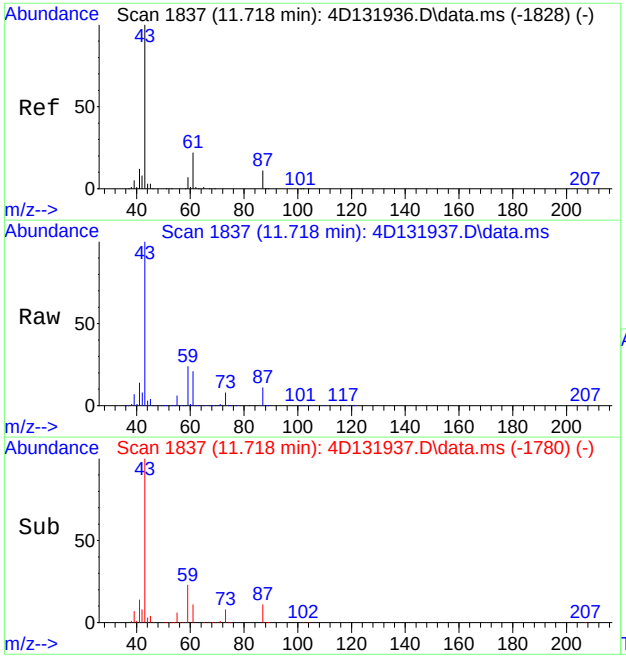


#57
heptane
Concen: 86.36 ug/L
RT: 12.054 min Scan# 1901
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 71 Resp: 200038

Ion	Ratio	Lower	Upper
71	100		
56	62.9	33.0	93.0
57	100.3	72.2	132.2
100	31.0	0.3	60.3

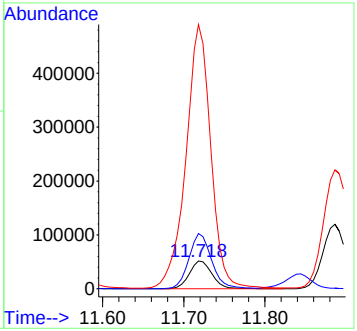


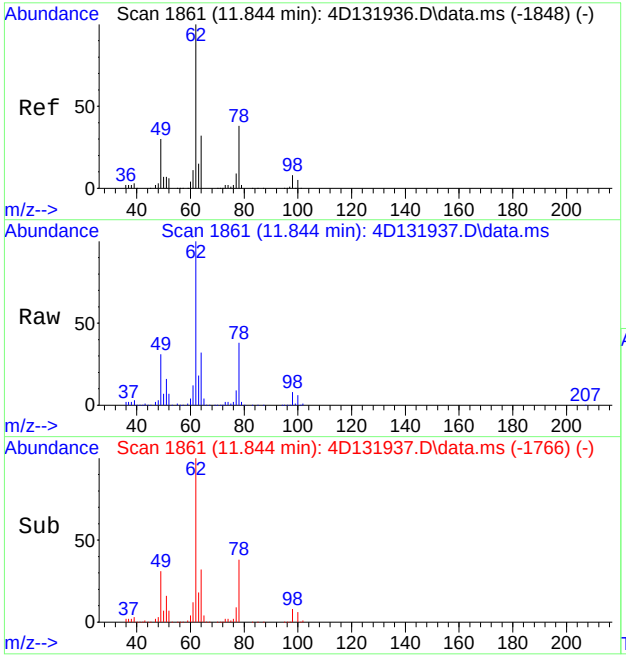


#58
isopropyl acetate
Concen: 96.19 ug/L
RT: 11.718 min Scan# 1837
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 87 Resp: 99876

Ion	Ratio	Lower	Upper
87	100		
61	197.9	170.1	230.1
43	945.9	919.0	979.0

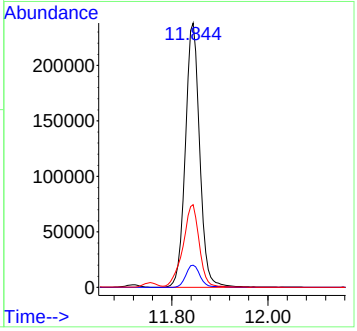


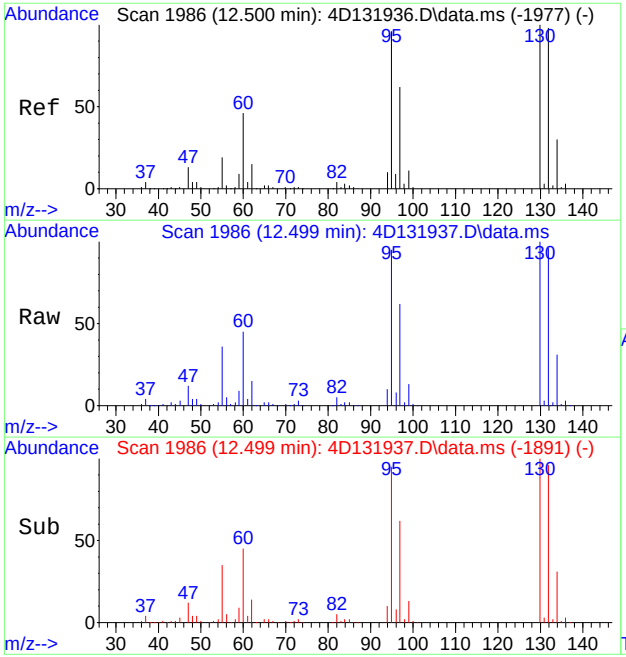


#59
1,2-dichloroethane
Concen: 84.76 ug/L
RT: 11.844 min Scan# 1861
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 62 Resp: 493447

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	38.5
49	31.2	1.1	61.1

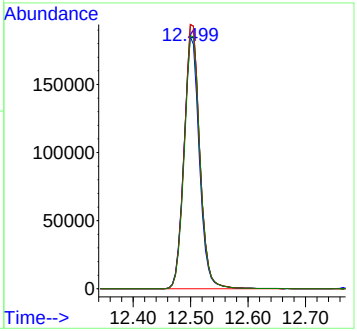


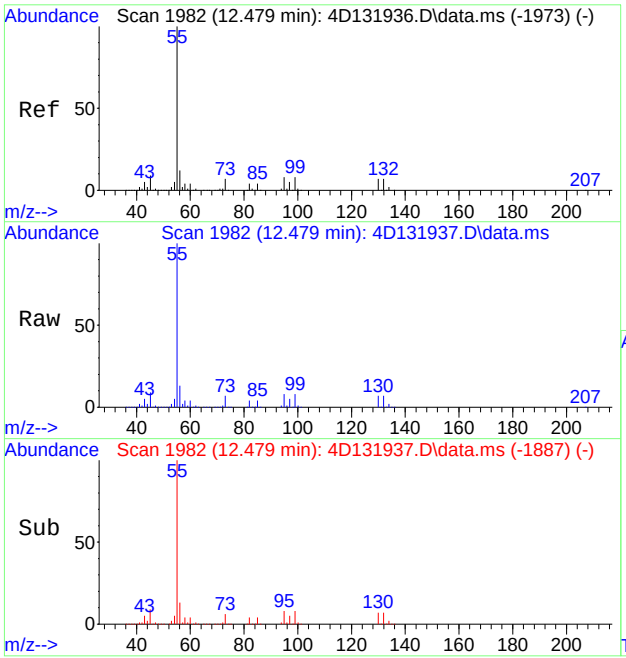


#60
trichloroethene
Concen: 97.31 ug/L
RT: 12.499 min Scan# 1986
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:130 Resp: 366915

Ion	Ratio	Lower	Upper
130	100		
95	95.3	65.8	125.8
130	100.0	70.0	130.0
132	95.7	67.8	127.8

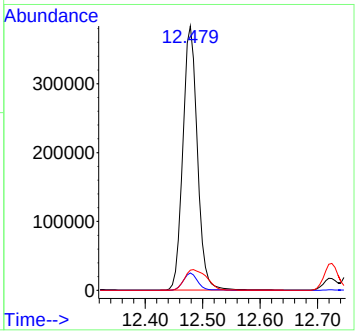


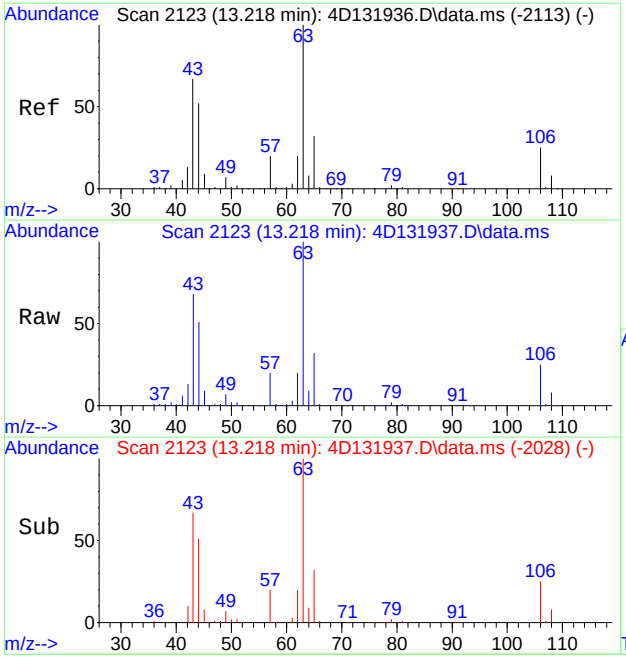


#61
ethyl acrylate
Concen: 91.99 ug/L
RT: 12.479 min Scan# 1982
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 55 Resp: 674283

Ion	Ratio	Lower	Upper
55	100		
73	6.6	0.0	26.5
99	7.7	0.0	27.5

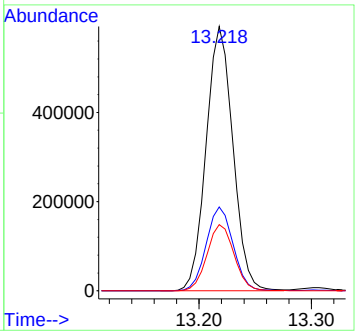


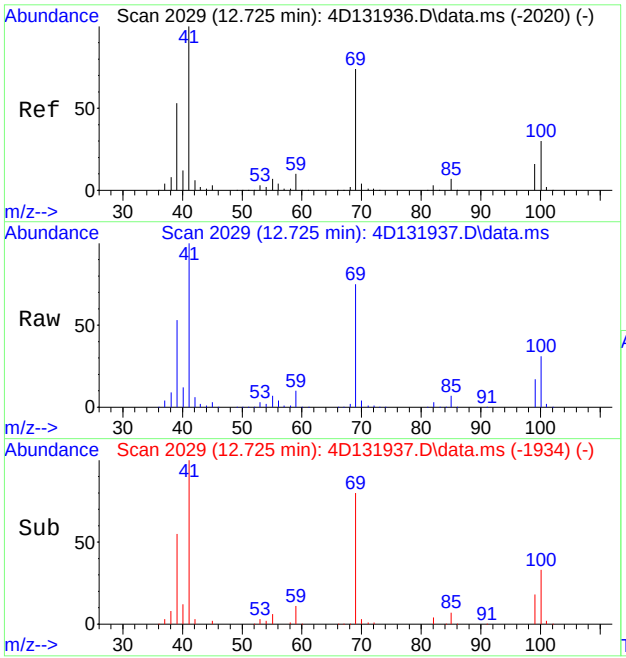


#63
2-chloroethyl vinyl ether
Concen: 465.46 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 63 Resp: 986166

Ion	Ratio	Lower	Upper
63	100		
65	31.7	1.7	61.7
106	25.0	0.0	55.3

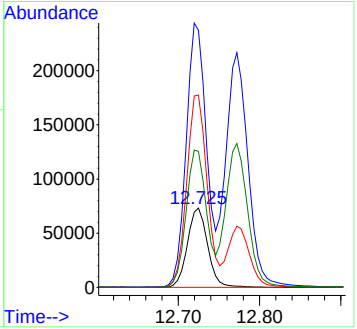


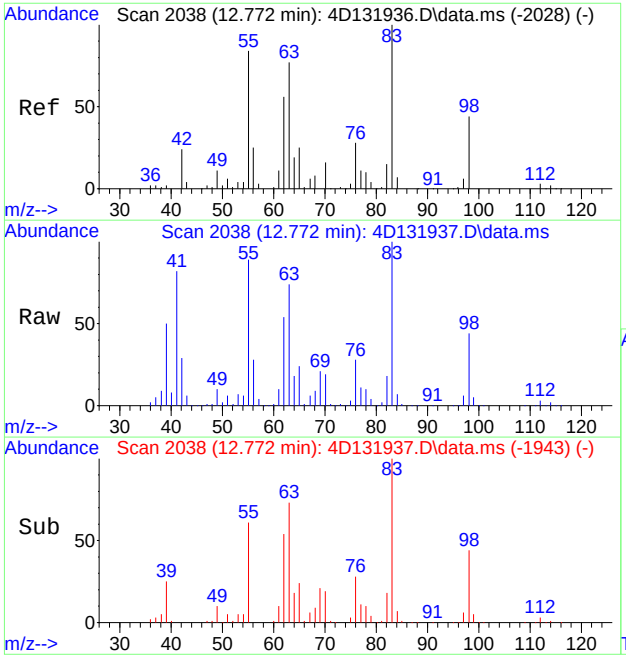


#64
methyl methacrylate
Concen: 98.02 ug/L
RT: 12.725 min Scan# 2029
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:100 Resp: 127071

Ion	Ratio	Lower	Upper
100	100		
41	323.5	304.3	364.3
69	242.5	217.8	277.8
39	171.4	148.5	208.5

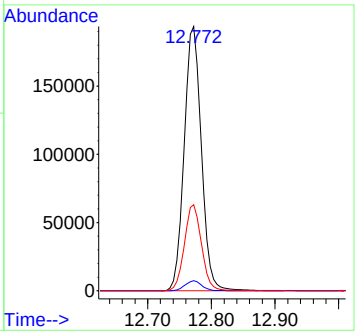


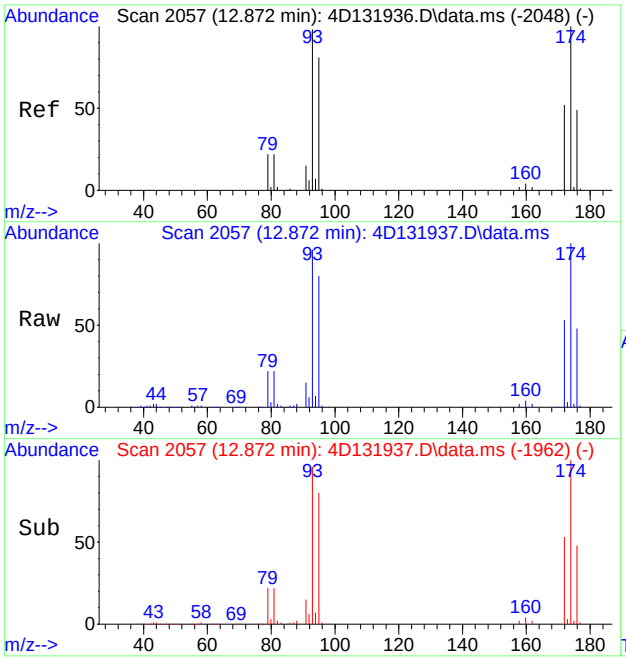


#65
1,2-dichloropropane
Concen: 91.60 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 63 Resp: 362440

Ion	Ratio	Lower	Upper
63	100		
112	3.8	0.0	33.7
65	32.6	1.9	61.9

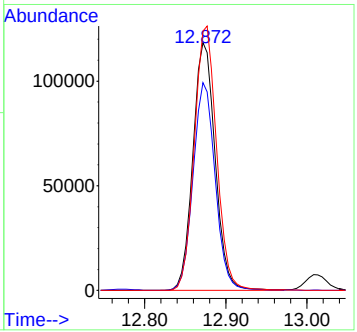


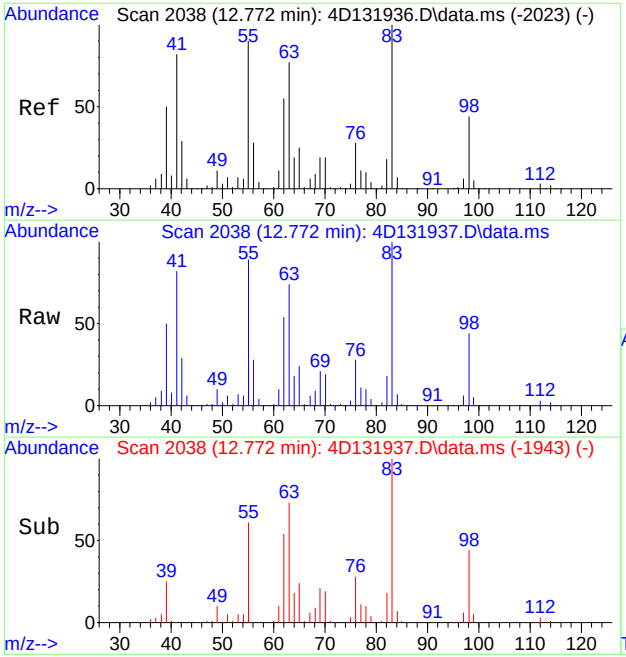


#66
dibromomethane
Concen: 90.45 ug/L
RT: 12.872 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 93 Resp: 225591

Ion	Ratio	Lower	Upper
93	100		
95	83.7	52.6	112.6
174	104.6	72.4	132.4

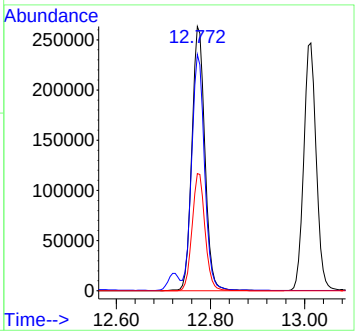


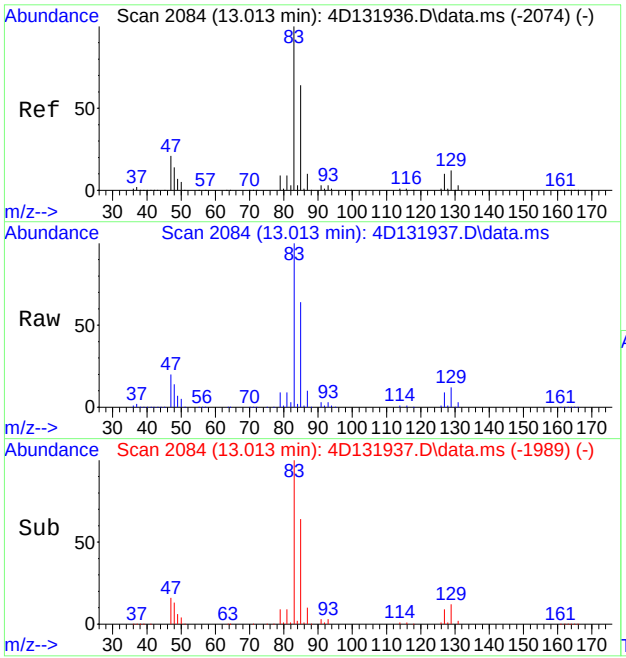


#67
methylcyclohexane
Concen: 92.53 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 83 Resp: 503764

Ion	Ratio	Lower	Upper
83	100		
55	89.2	60.5	120.5
98	44.4	14.1	74.1

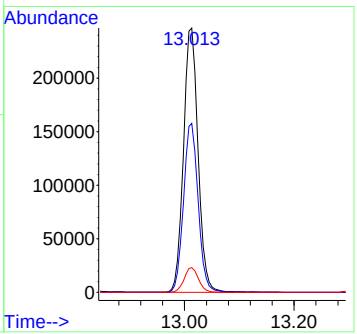


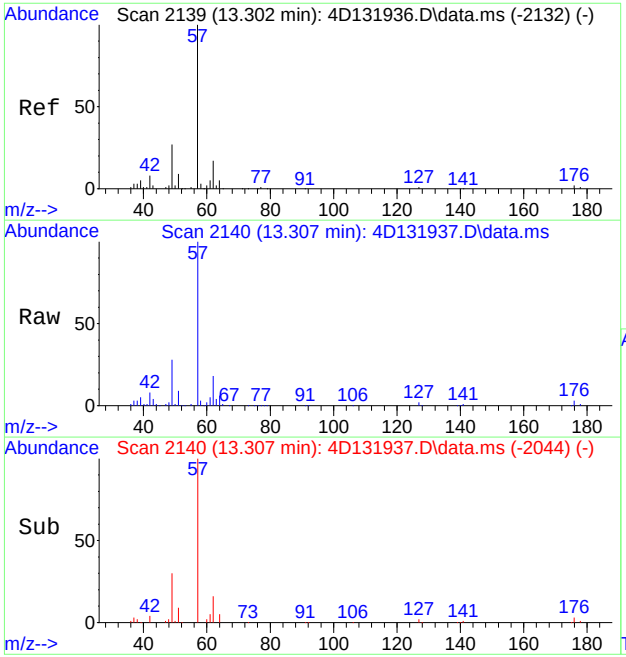


#68
bromodichloromethane
Concen: 90.08 ug/L
RT: 13.013 min Scan# 2084
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 83 Resp: 458395

Ion	Ratio	Lower	Upper
83	100		
85	63.9	34.4	94.4
127	9.4	0.0	39.7

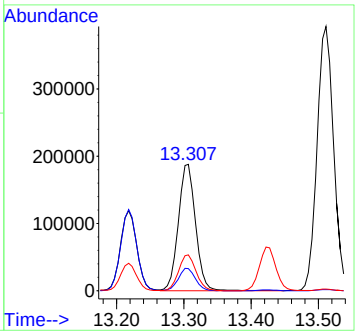


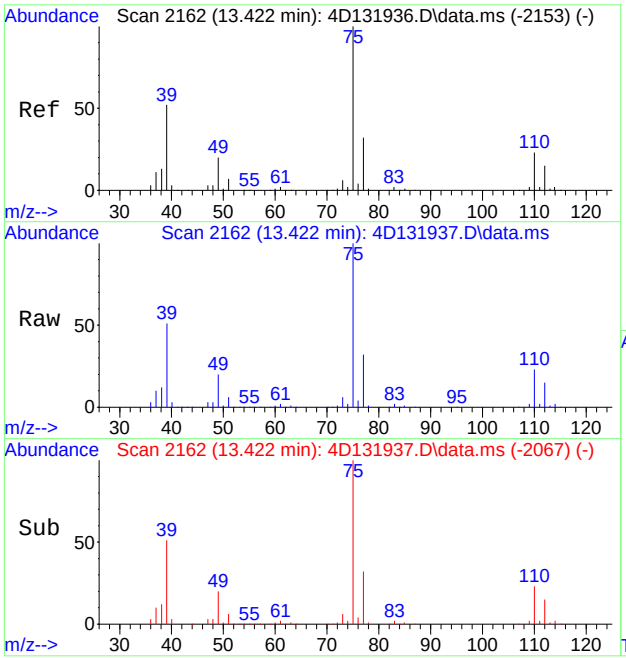


#69
epichlorohydrin
Concen: 436.17 ug/L
RT: 13.307 min Scan# 2140
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 57 Resp: 332324

Ion	Ratio	Lower	Upper
57	100		
62	17.5	0.0	37.4
49	28.3	6.8	46.8

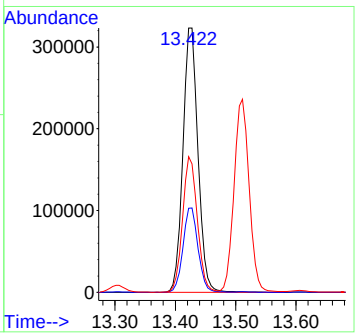


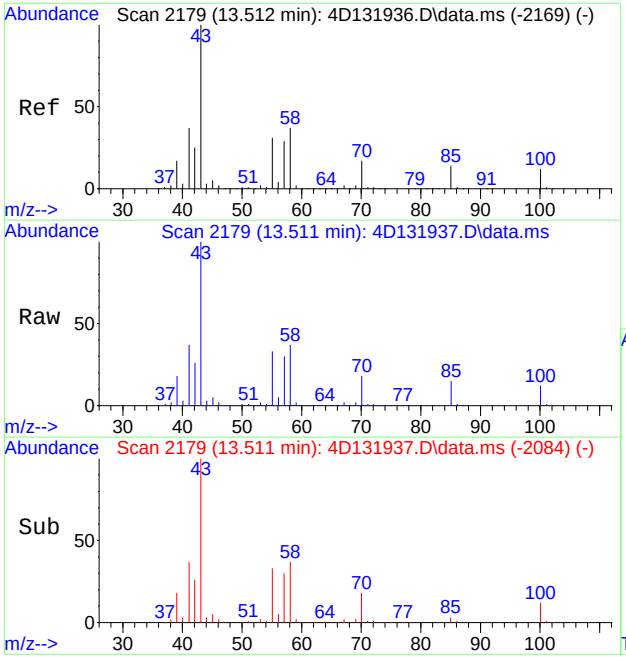


#70
cis-1,3-dichloropropene
Concen: 93.39 ug/L
RT: 13.422 min Scan# 2162
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 75 Resp: 560921

Ion	Ratio	Lower	Upper
75	100		
77	31.8	1.9	61.9
39	51.2	22.1	82.1

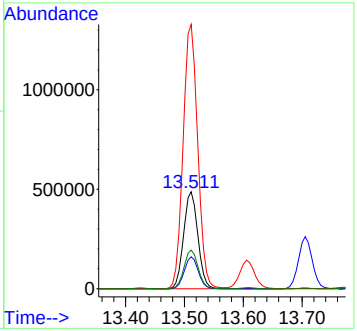


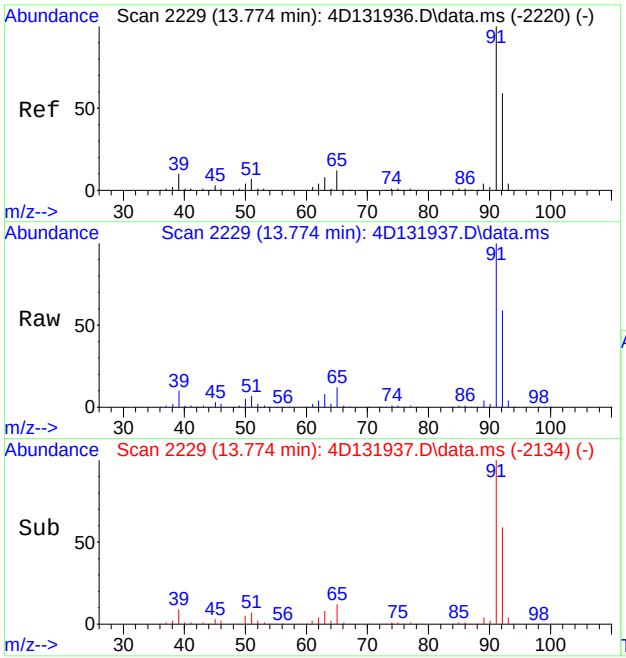


#71
4-methyl-2-pentanone
Concen: 340.18 ug/L
RT: 13.511 min Scan# 2179
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 58 Resp: 825394

Ion	Ratio	Lower	Upper
58	100		
100	33.1	2.6	62.6
43	272.6	244.0	304.0
85	39.8	8.9	68.9

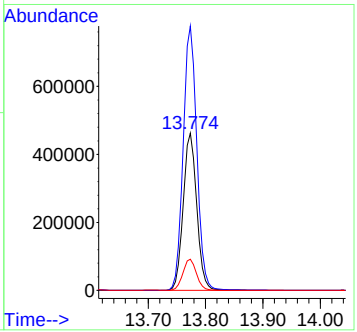


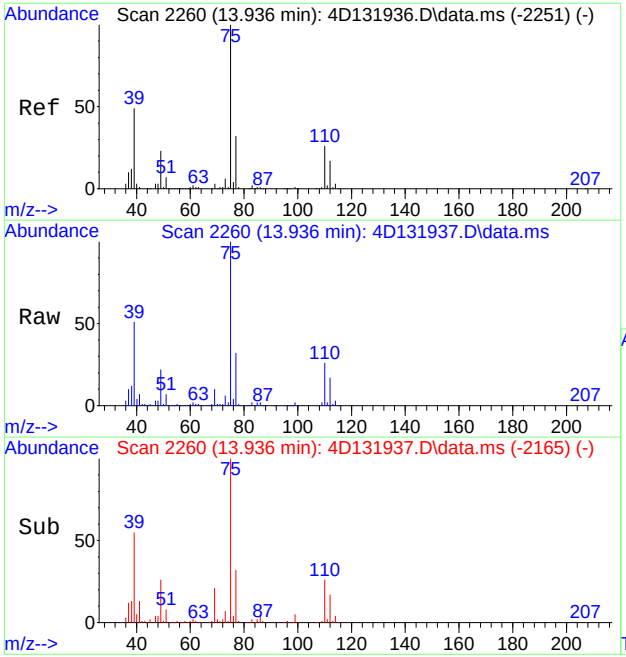


#75
toluene
Concen: 91.38 ug/L
RT: 13.774 min Scan# 2229
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 92 Resp: 759038

Ion	Ratio	Lower	Upper
92	100		
91	168.3	150.1	190.1
65	19.8	0.0	39.8

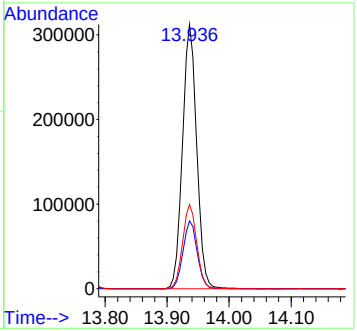


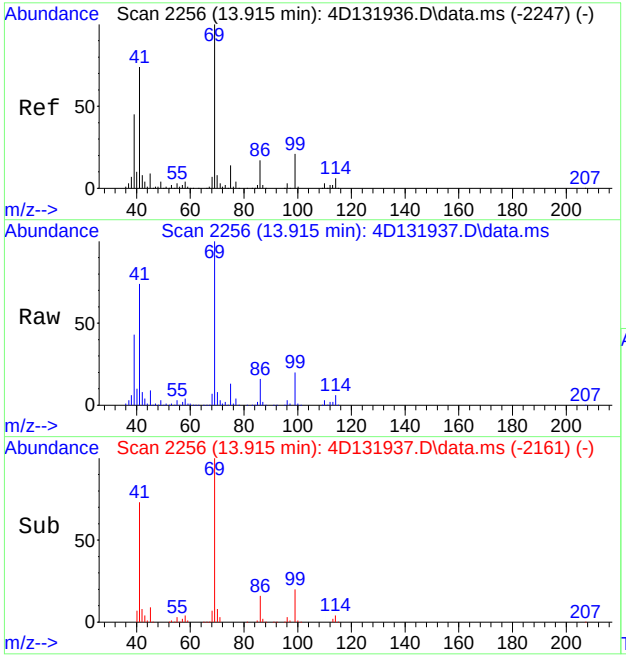


#76
trans-1,3-dichloropropene
Concen: 91.03 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 75 Resp: 499164

Ion	Ratio	Lower	Upper
75	100		
110	25.7	5.6	45.6
77	31.8	12.5	52.5

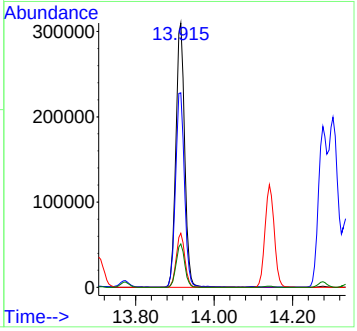


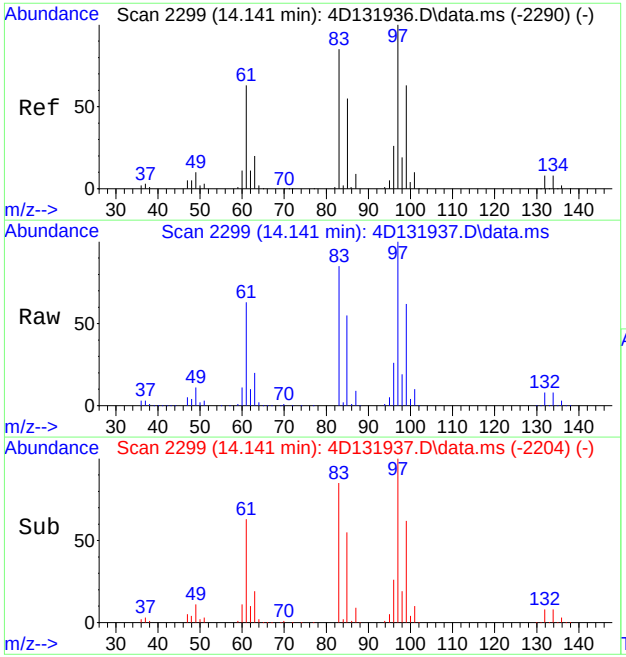


#77
ethyl methacrylate
Concen: 88.53 ug/L
RT: 13.915 min Scan# 2256
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 69 Resp: 481479

Ion	Ratio	Lower	Upper
69	100		
41	73.4	53.7	93.7
99	20.4	0.5	40.5
86	16.5	0.0	36.5

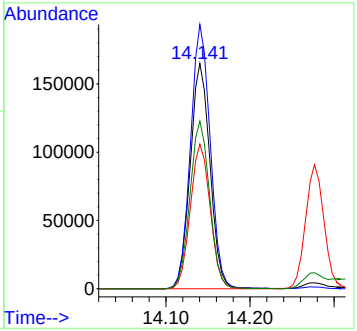


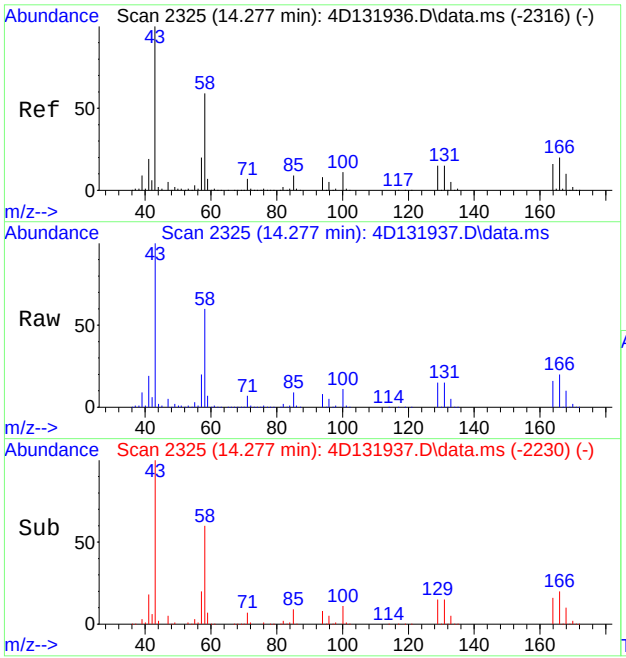


#78
1,1,2-trichloroethane
Concen: 91.28 ug/L
RT: 14.141 min Scan# 2299
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 83 Resp: 270174

Ion	Ratio	Lower	Upper
83	100		
97	117.3	98.0	138.0
85	64.2	44.8	84.8
61	74.4	54.1	94.1

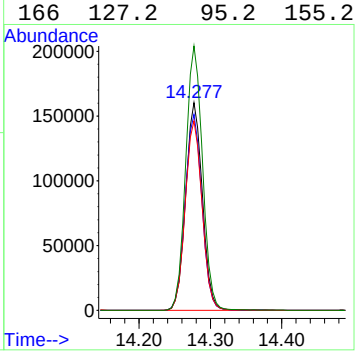


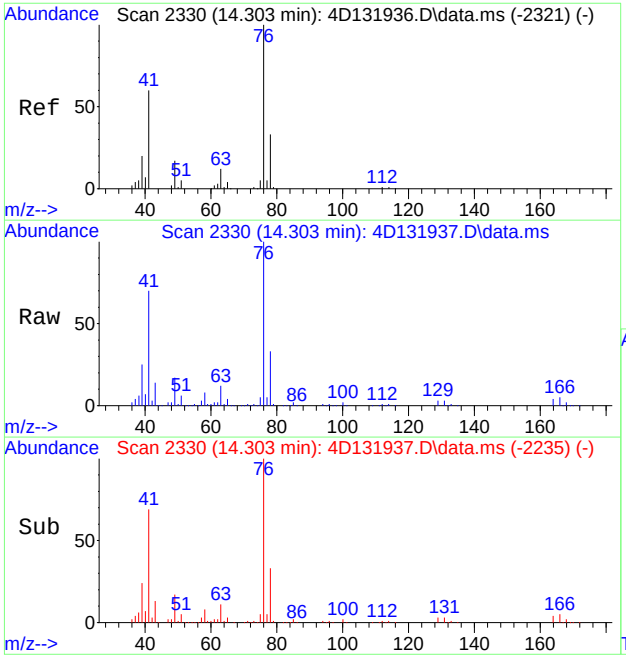


#79
tetrachloroethene
Concen: 90.19 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:164 Resp: 261696

Ion	Ratio	Lower	Upper
164	100		
129	94.3	63.3	123.3
131	91.2	59.8	119.8
166	127.2	95.2	155.2

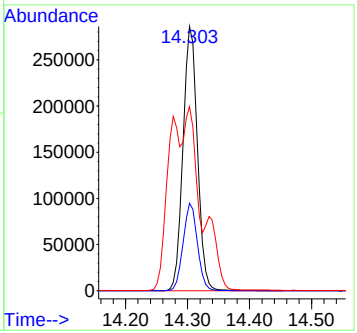


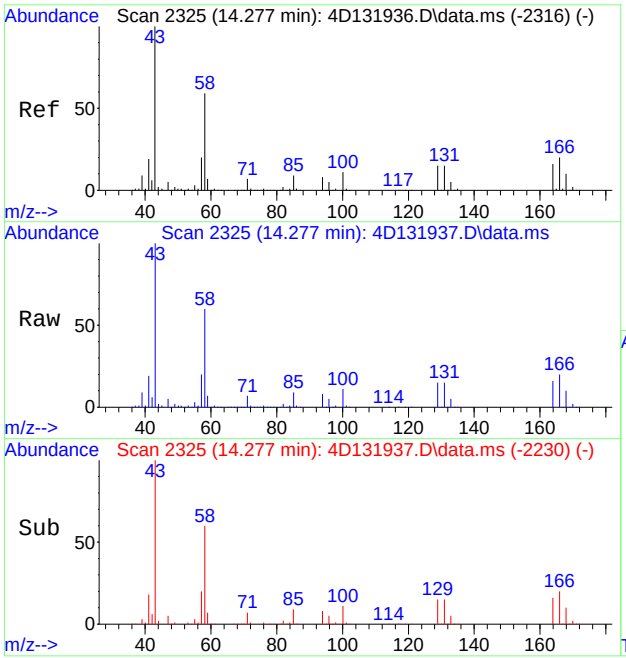


#80
1,3-dichloropropane
Concen: 88.13 ug/L
RT: 14.303 min Scan# 2330
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 76 Resp: 465110

Ion	Ratio	Lower	Upper
76	100		
78	33.1	2.5	62.5
41	69.5	40.0	100.0

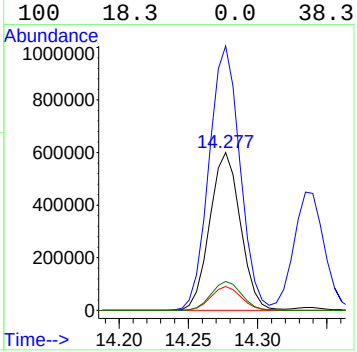


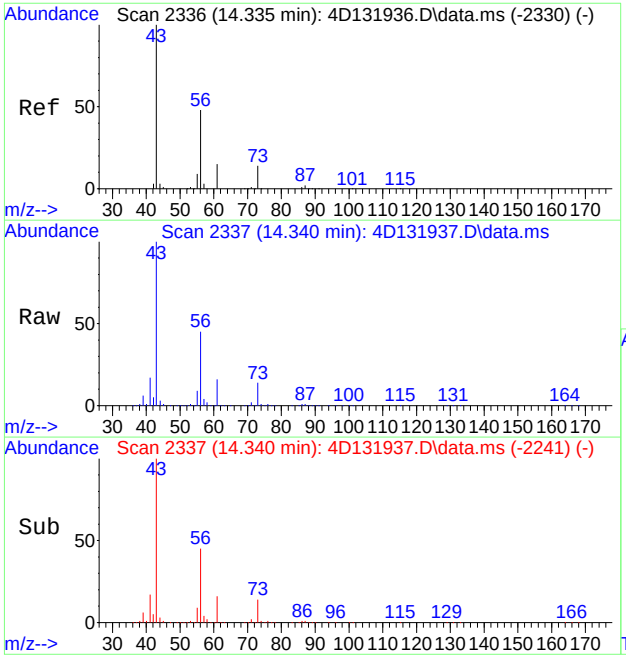


#81
2-hexanone
Concen: 348.96 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 58 Resp: 922332

Ion	Ratio	Lower	Upper
58	100		
43	167.6	149.1	189.1
85	15.1	0.0	34.7
100	18.3	0.0	38.3

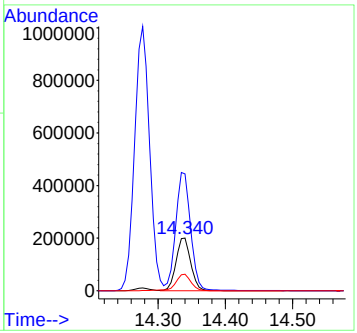


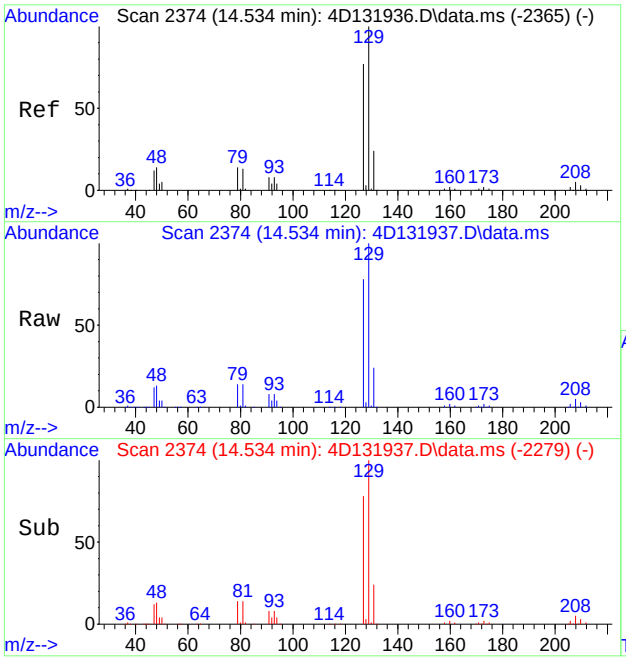


#82
butyl acetate
Concen: 80.39 ug/L
RT: 14.340 min Scan# 2337
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 56 Resp: 305517

Ion	Ratio	Lower	Upper
56	100		
43	222.0	196.2	256.2
73	31.4	0.0	59.9

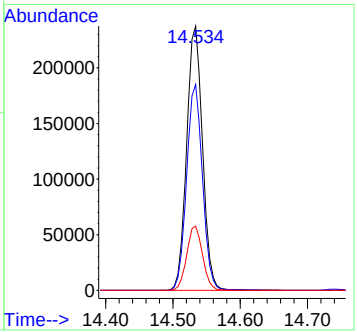


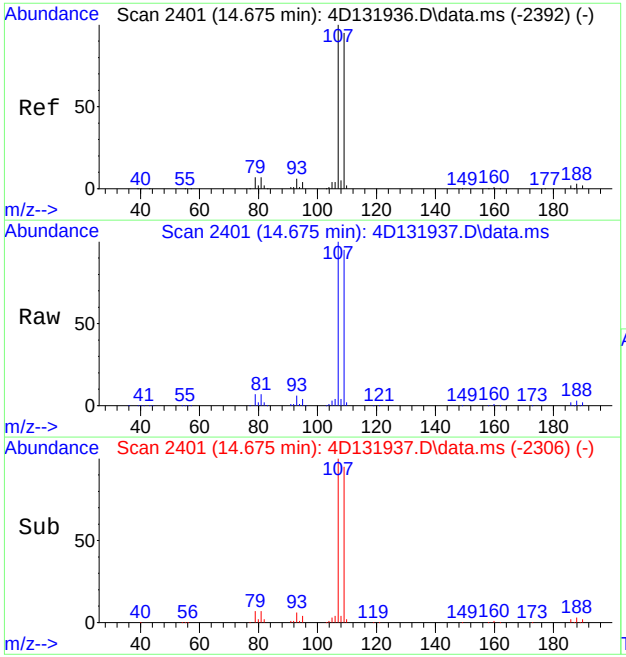


#83
dibromochloromethane
Concen: 95.31 ug/L
RT: 14.534 min Scan# 2374
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:129 Resp: 388892

Ion	Ratio	Lower	Upper
129	100		
127	77.8	47.2	107.2
131	24.3	0.0	54.4

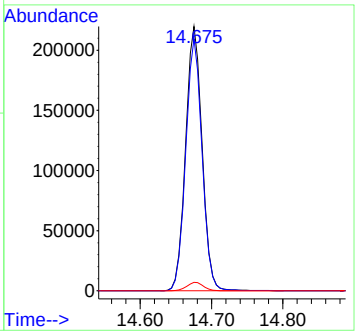


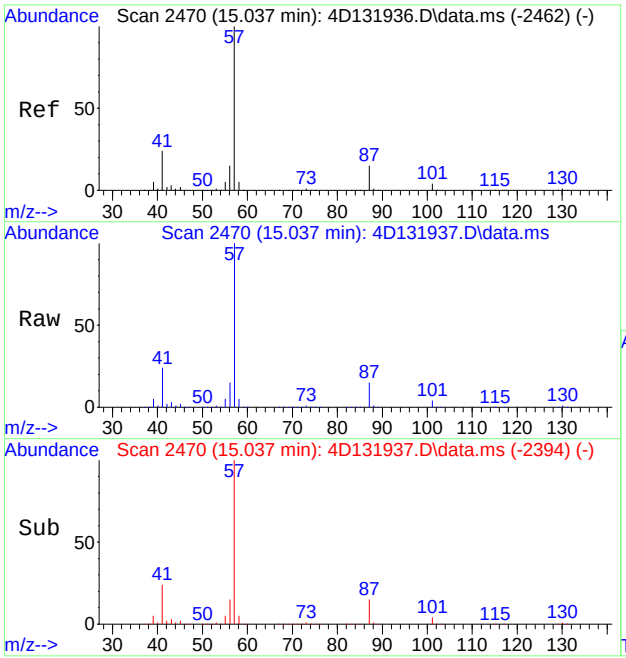


#84
1,2-dibromoethane
Concen: 94.09 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:107 Resp: 352267

Ion	Ratio	Lower	Upper
107	100		
109	95.3	65.1	125.1
188	3.2	0.0	33.2

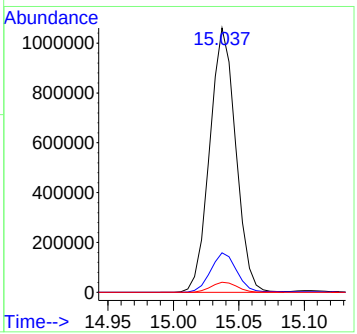


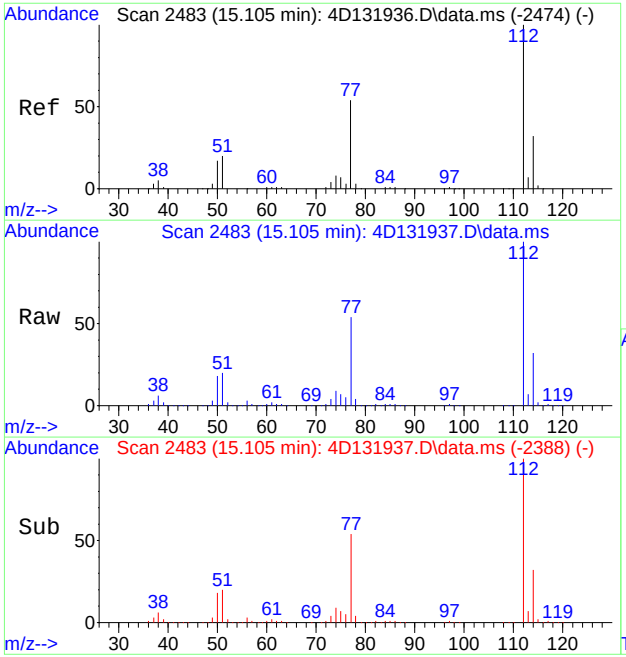


#85
n-butyl ether
Concen: 93.87 ug/L
RT: 15.037 min Scan# 2470
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 57 Resp: 1469752

Ion	Ratio	Lower	Upper
57	100		
87	15.0	0.0	44.7
101	3.8	0.0	33.8

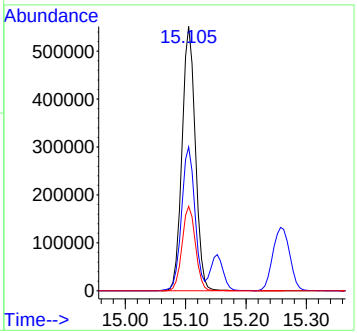


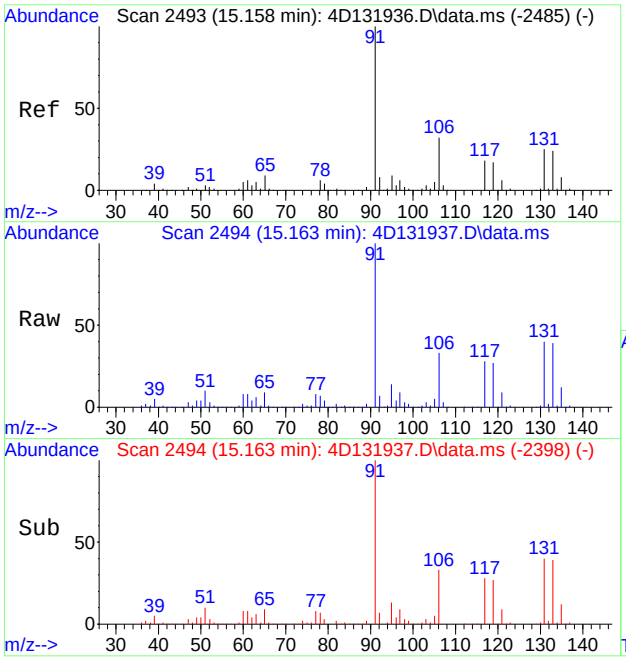


#86
chlorobenzene
Concen: 92.80 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:112 Resp: 846233

Ion	Ratio	Lower	Upper
112	100		
77	54.3	23.8	83.8
114	31.9	2.2	62.2

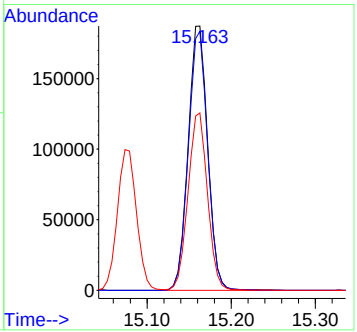


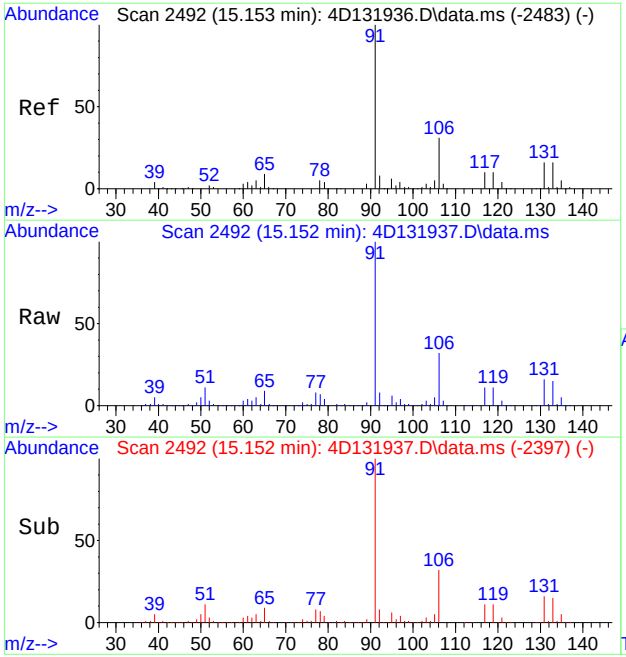


#87
1,1,1,2-tetrachloroethane
Concen: 91.61 ug/L
RT: 15.163 min Scan# 2494
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:131 Resp: 302667

Ion	Ratio	Lower	Upper
131	100		
133	97.9	66.4	126.4
119	67.1	37.8	97.8

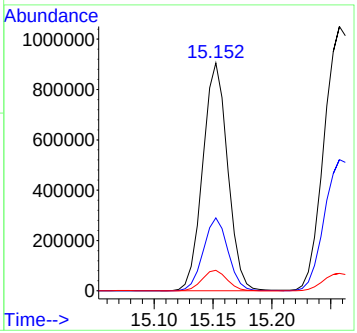


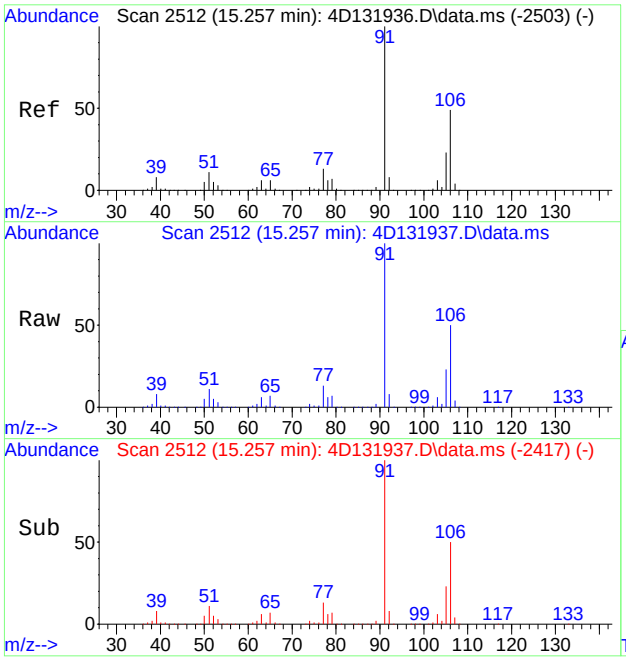


#88
ethylbenzene
Concen: 88.96 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 91 Resp: 1336730

Ion	Ratio	Lower	Upper
91	100		
106	32.0	1.3	61.3
65	9.0	0.0	39.1

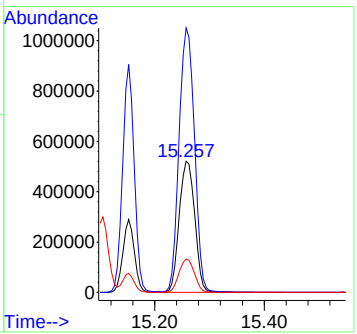


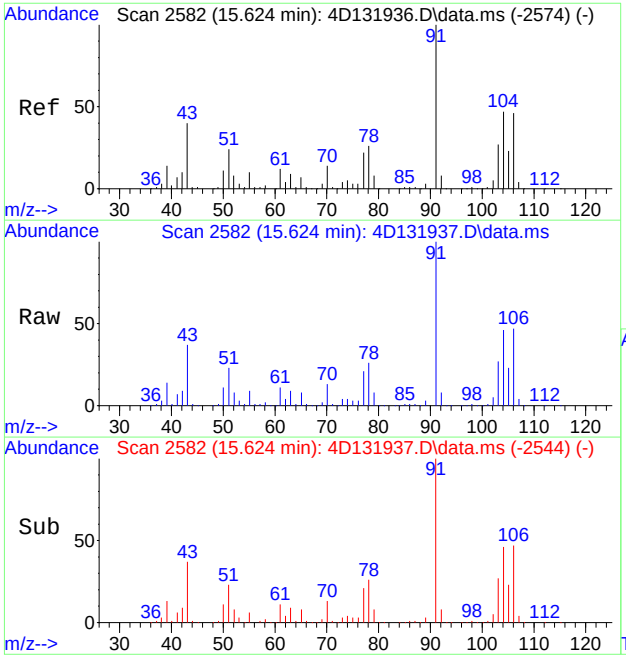


#89
m,p-xylene
Concen: 177.81 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:106 Resp: 1028136

Ion	Ratio	Lower	Upper
106	100		
91	201.5	173.6	233.6
77	25.4	5.6	45.6

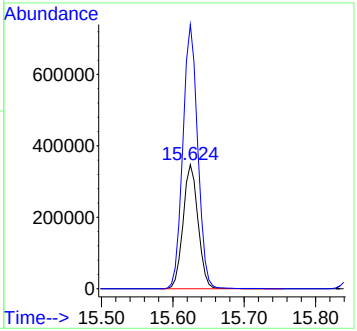


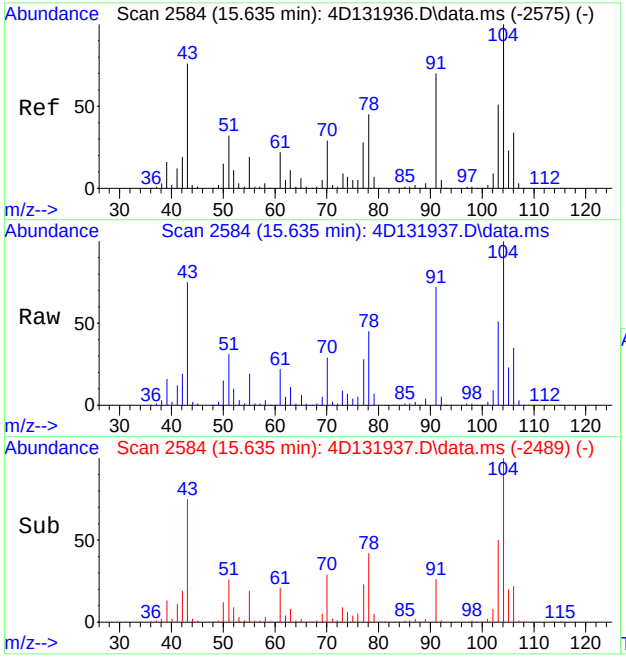


#90
o-xylene
Concen: 89.50 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:106 Resp: 506161

Ion	Ratio	Lower	Upper
106	100		
91	212.8	188.2	248.2

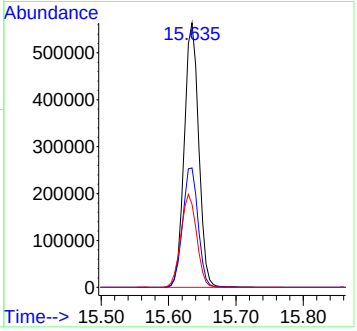


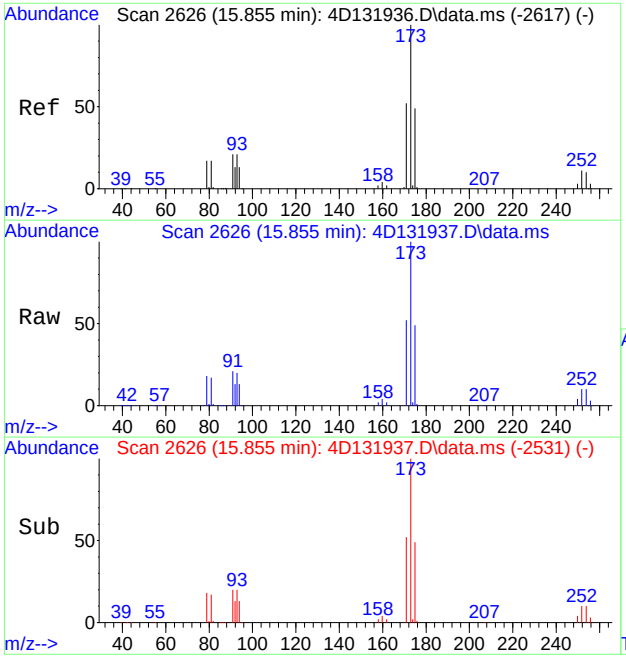


#91
styrene
Concen: 88.48 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:104 Resp: 842687

Ion	Ratio	Lower	Upper
104	100		
78	45.2	14.9	74.9
51	31.4	2.1	62.1

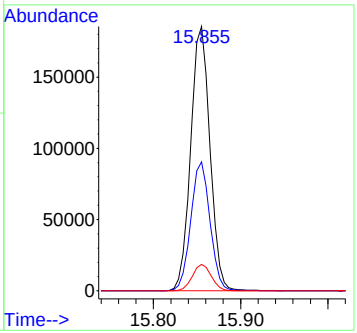


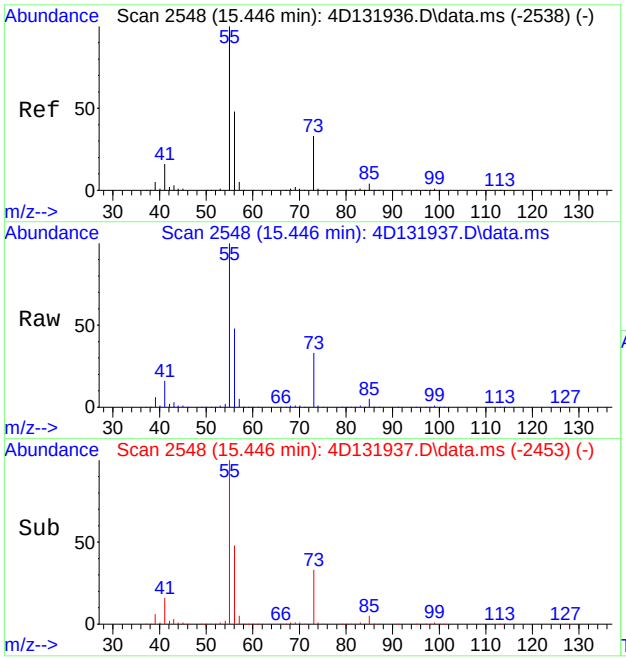


#92
bromoform
Concen: 98.79 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:173 Resp: 284852

Ion	Ratio	Lower	Upper
173	100		
175	48.8	18.7	78.7
254	9.9	0.0	40.1

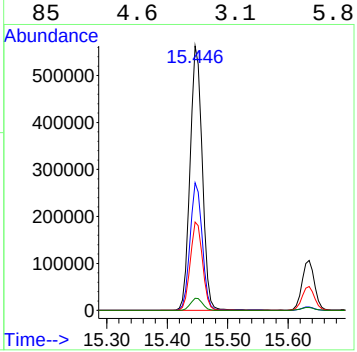


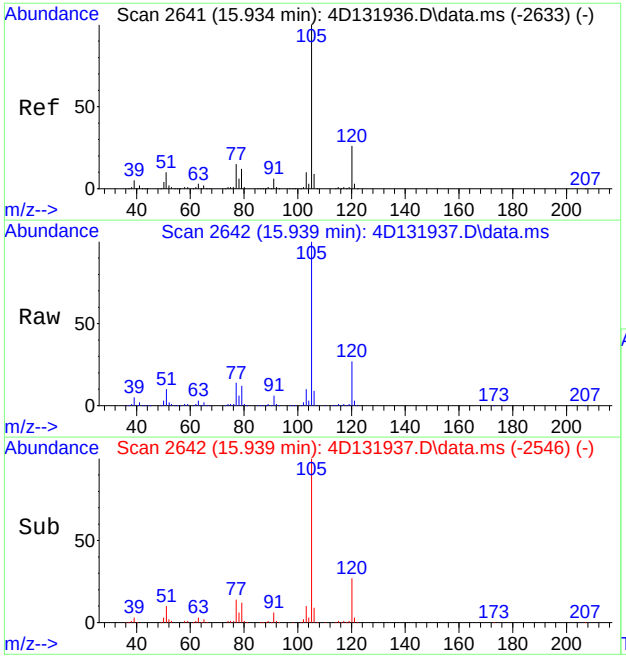


#93
butyl acrylate
Concen: 88.83 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 55 Resp: 789597

Ion	Ratio	Lower	Upper
55	100		
56	48.2	33.5	62.1
73	33.4	23.2	43.2
85	4.6	3.1	5.8

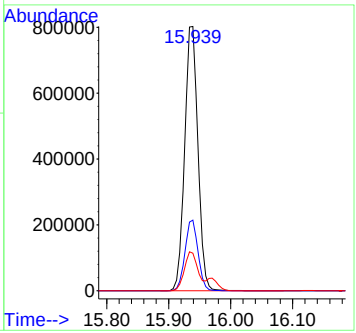


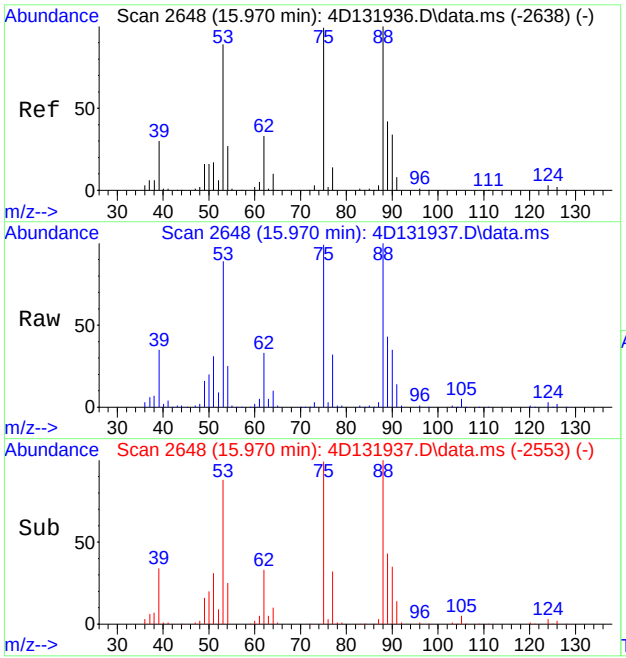


#94
isopropylbenzene
Concen: 92.23 ug/L
RT: 15.939 min Scan# 2642
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:105 Resp: 1199181

Ion	Ratio	Lower	Upper
105	100		
120	26.7	5.9	45.9
77	14.2	0.0	34.7

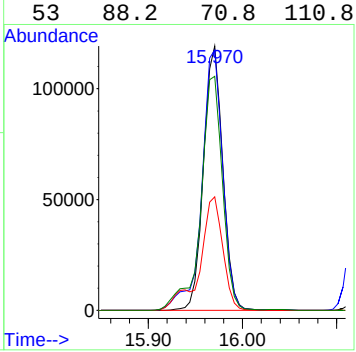


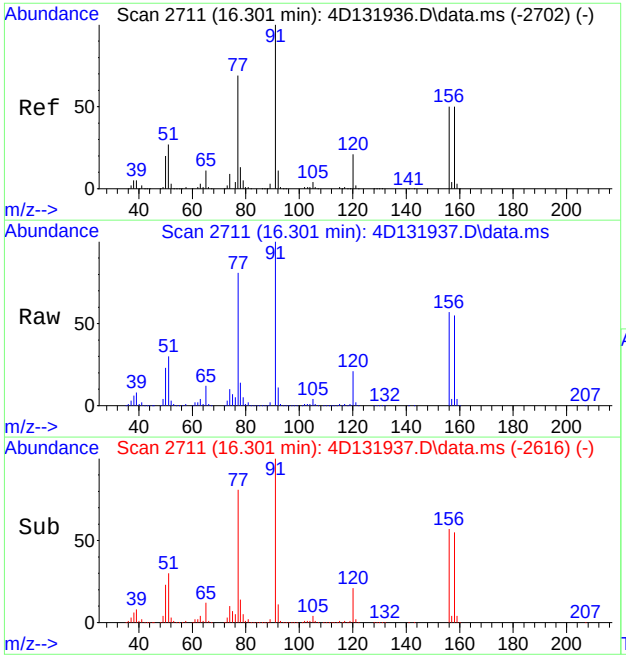


#95
cis-1,4-dichloro-2-butene
Concen: 101.69 ug/L
RT: 15.970 min Scan# 2648
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 88 Resp: 170085

Ion	Ratio	Lower	Upper
88	100		
75	98.2	80.4	120.4
89	43.0	23.8	63.8
53	88.2	70.8	110.8

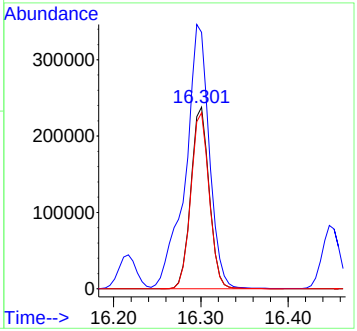


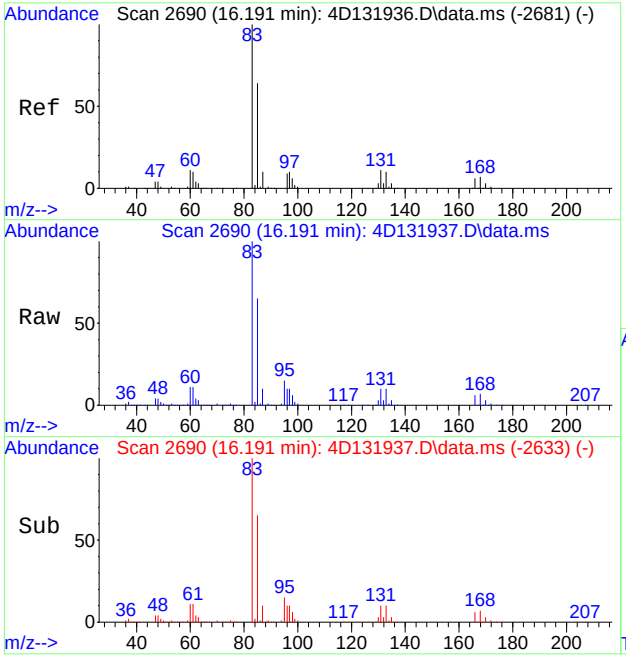


#98
bromobenzene
Concen: 95.05 ug/L
RT: 16.301 min Scan# 2711
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:156 Resp: 347129

Ion	Ratio	Lower	Upper
156	100		
77	141.0	114.1	174.1
158	96.9	69.3	129.3

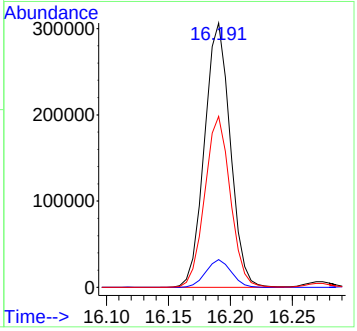


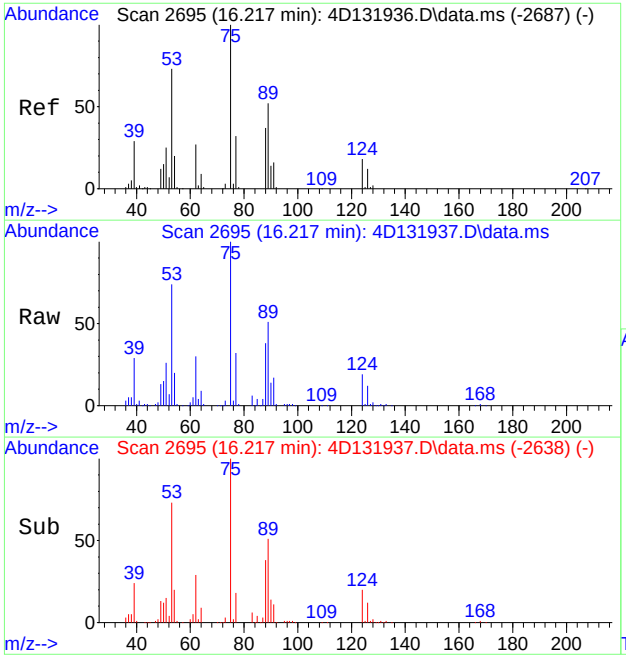


#99
1,1,2,2-tetrachloroethane
Concen: 91.21 ug/L
RT: 16.191 min Scan# 2690
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 83 Resp: 442916

Ion	Ratio	Lower	Upper
83	100		
131	10.5	0.0	40.7
85	64.7	33.7	93.7

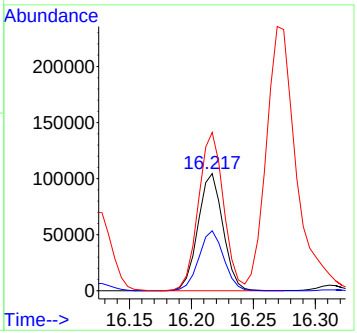


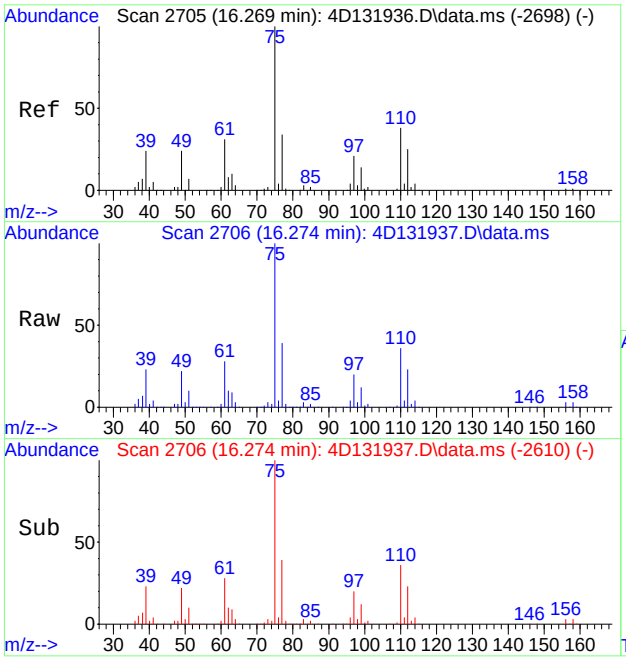


#100
trans-1,4-dichloro-2-butene
Concen: 101.90 ug/L
RT: 16.217 min Scan# 2695
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 53 Resp: 146990

Ion	Ratio	Lower	Upper
53	100		
88	51.4	20.8	80.8
75	135.0	106.5	166.5

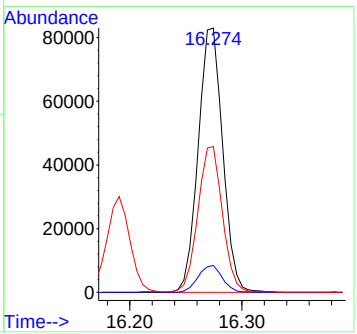


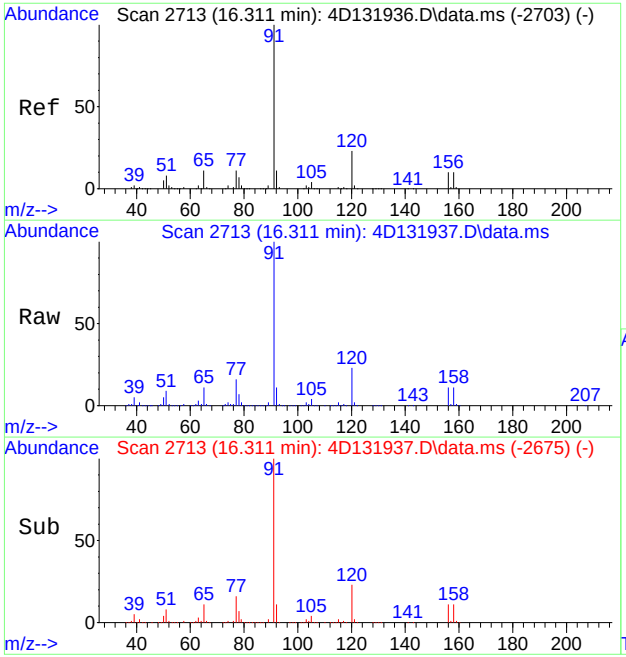


#101
1,2,3-trichloropropane
Concen: 98.27 ug/L
RT: 16.274 min Scan# 2706
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:110 Resp: 126213

Ion	Ratio	Lower	Upper
110	100		
111	10.2	0.0	40.4
97	55.1	25.6	85.6

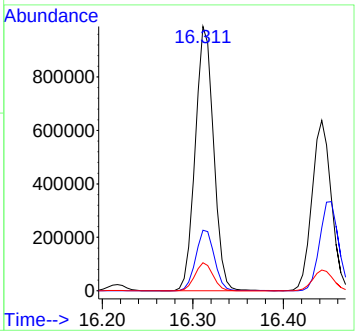


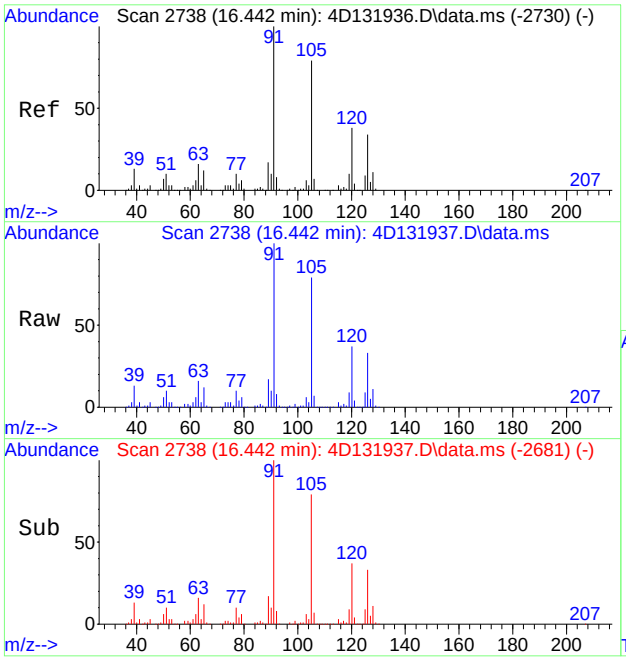


#102
n-propylbenzene
Concen: 90.14 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 91 Resp: 1389248

Ion	Ratio	Lower	Upper
91	100		
120	22.9	0.0	53.1
65	10.6	0.0	40.8

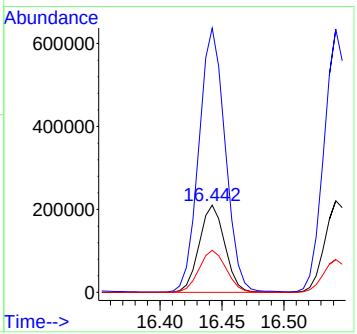


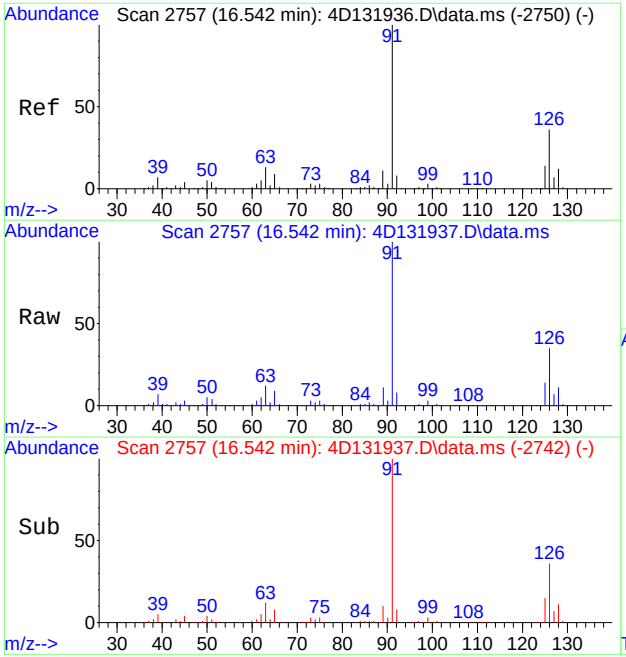


#103
2-chlorotoluene
Concen: 91.31 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:126 Resp: 302082

Ion	Ratio	Lower	Upper
126	100		
91	303.1	265.9	325.9
63	48.4	18.3	78.3

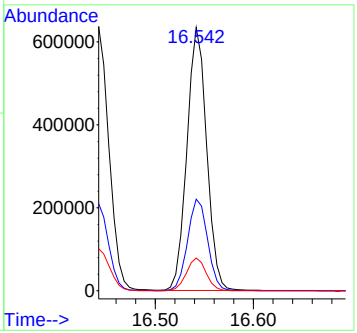


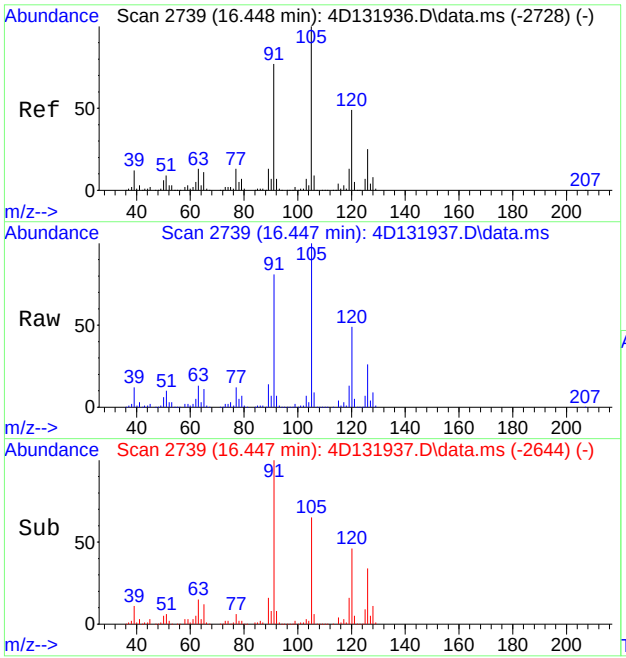


#104
4-chlorotoluene
Concen: 87.49 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 91 Resp: 887867

Ion	Ratio	Lower	Upper
91	100		
126	34.8	5.5	65.5
63	12.5	0.0	42.5

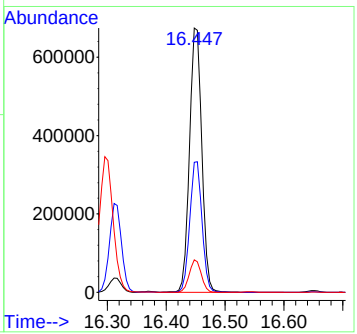


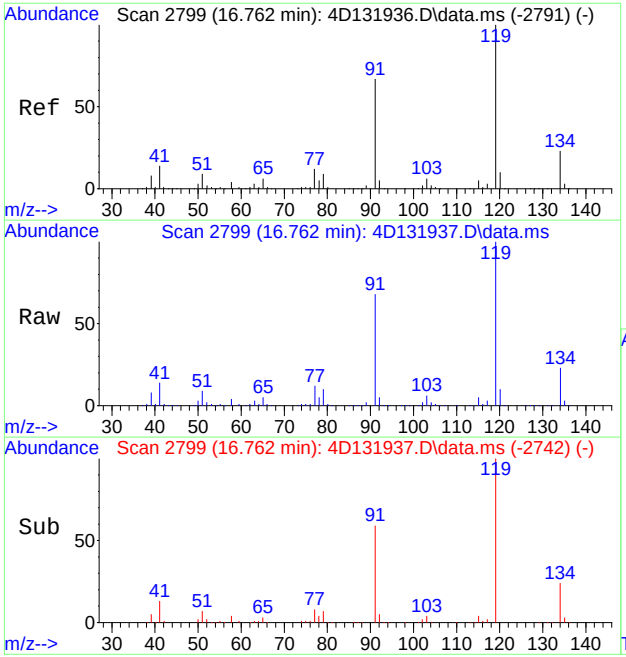


#105
1,3,5-trimethylbenzene
Concen: 90.44 ug/L
RT: 16.447 min Scan# 2739
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:105 Resp: 980716

Ion	Ratio	Lower	Upper
105	100		
120	49.2	19.3	79.3
77	12.3	0.0	42.7

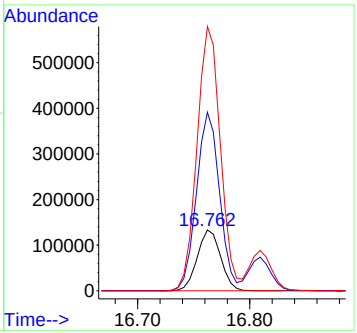


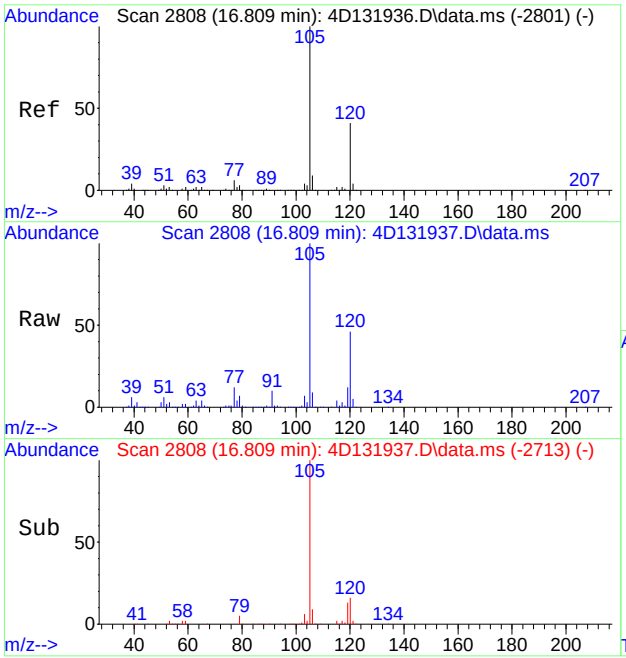


#106
tert-butylbenzene
Concen: 97.75 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:134 Resp: 193583

Ion	Ratio	Lower	Upper
134	100		
91	292.9	266.0	326.0
119	434.1	410.0	470.0

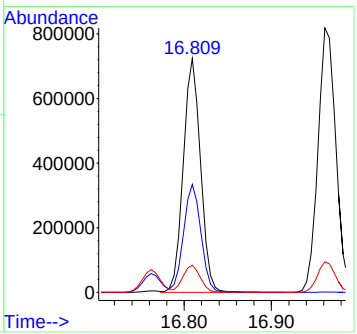


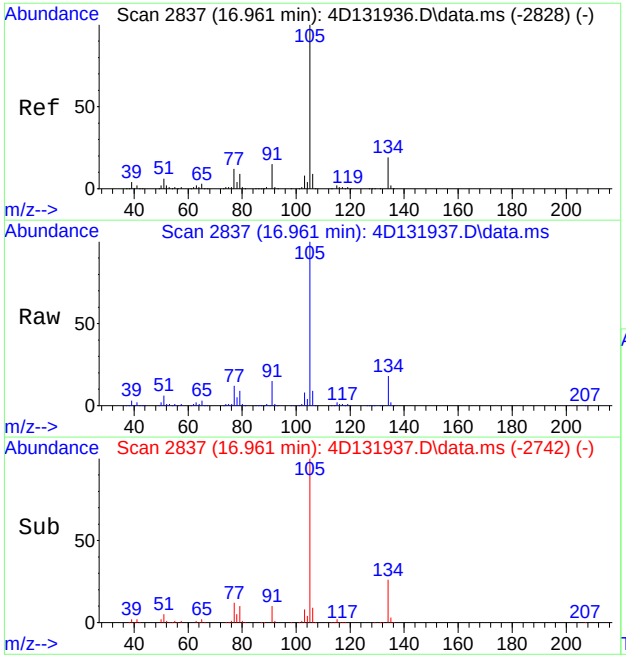


#107
1,2,4-trimethylbenzene
Concen: 91.10 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:105 Resp: 993741

Ion	Ratio	Lower	Upper
105	100		
120	46.1	15.8	75.8
77	11.6	0.0	41.4

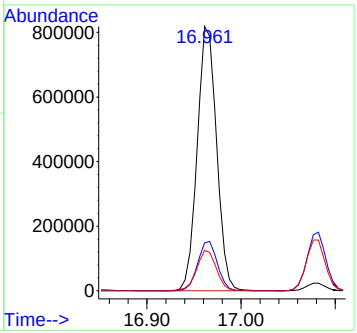


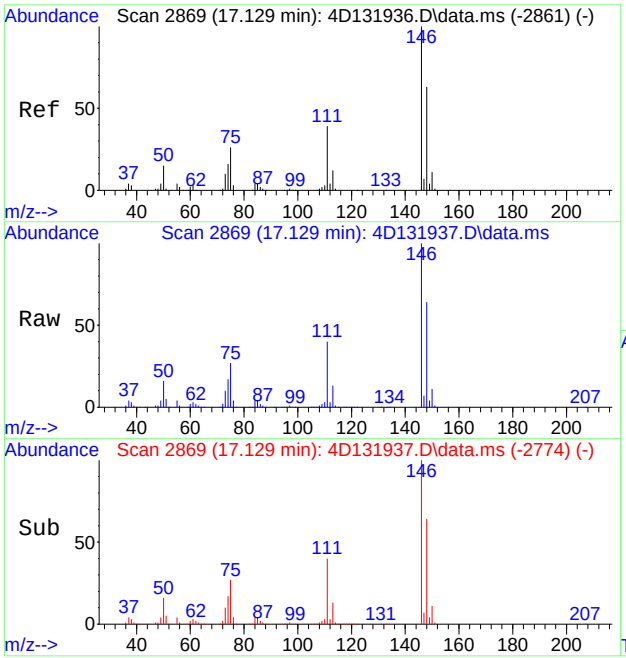


#108
sec-butylbenzene
Concen: 93.61 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:105 Resp: 1172278

Ion	Ratio	Lower	Upper
105	100		
134	18.2	0.0	48.6
91	15.3	0.0	45.4

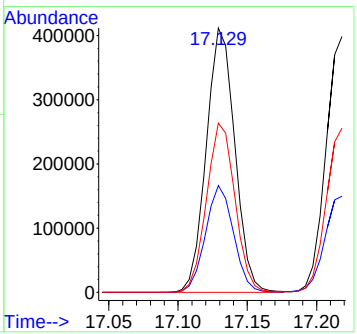


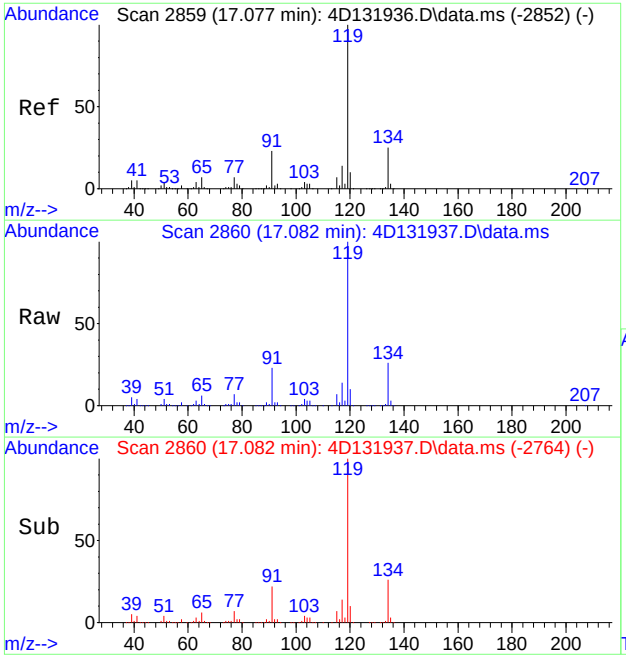


#109
1,3-dichlorobenzene
Concen: 93.24 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:146 Resp: 589125

Ion	Ratio	Lower	Upper
146	100		
111	40.4	9.4	69.4
148	64.1	33.3	93.3

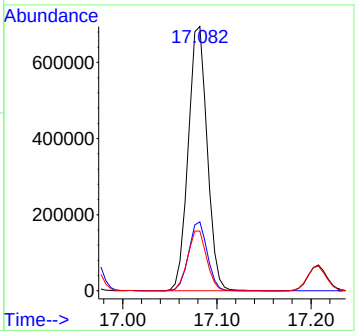


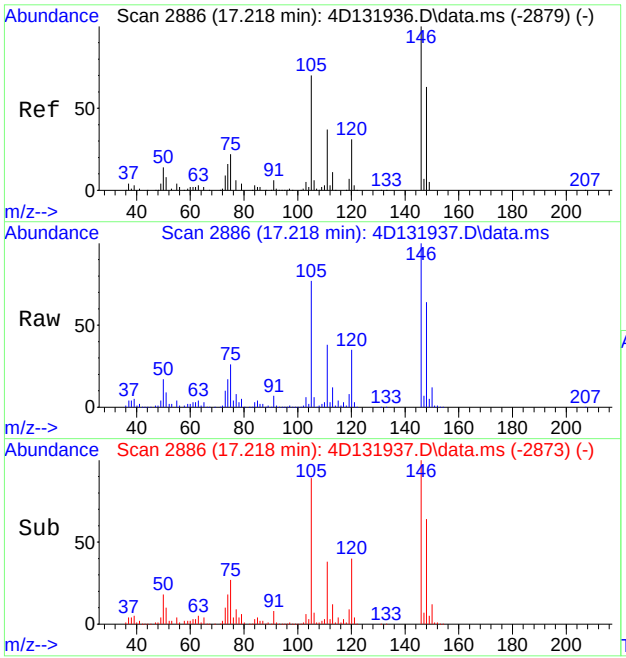


#110
p-isopropyltoluene
Concen: 94.17 ug/L
RT: 17.082 min Scan# 2860
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:119 Resp: 975384

Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	55.5
91	22.6	0.0	53.2

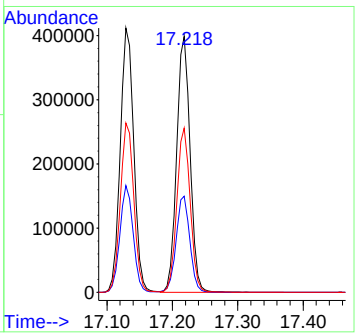


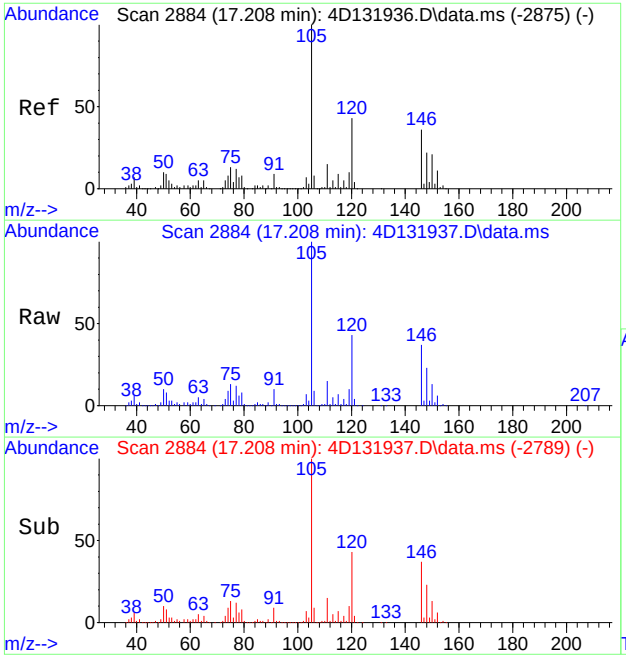


#111
1,4-dichlorobenzene
Concen: 93.13 ug/L
RT: 17.218 min Scan# 2886
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:146 Resp: 568797

Ion	Ratio	Lower	Upper
146	100		
111	37.5	7.6	67.6
148	64.2	33.6	93.6

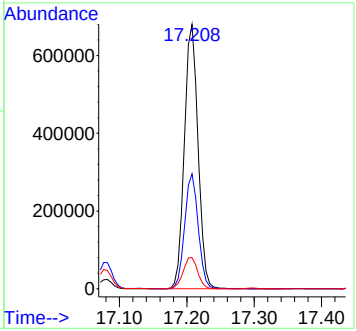


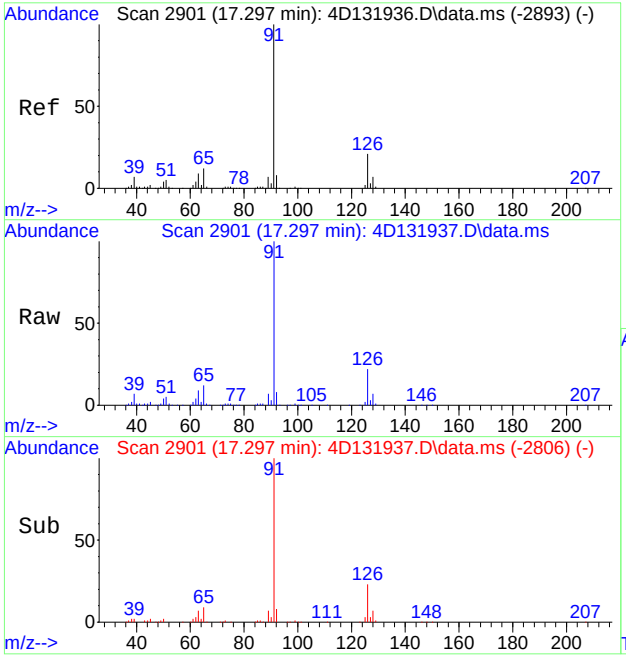


#112
1,2,3-trimethylbenzene
Concen: 91.70 ug/L
RT: 17.208 min Scan# 2884
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:105 Resp: 958460

Ion	Ratio	Lower	Upper
105	100		
120	43.5	12.6	72.6
77	11.8	0.0	42.2

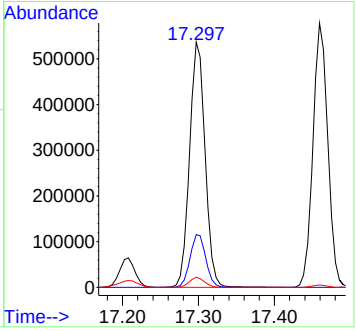


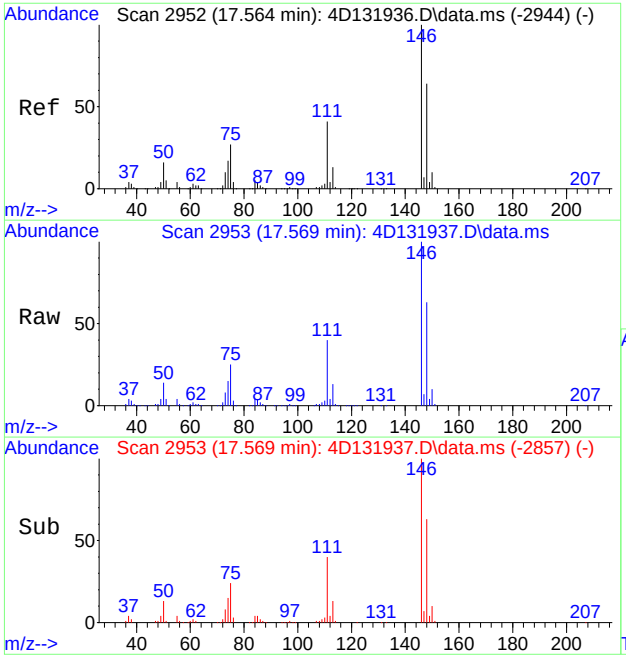


#113
benzyl chloride
Concen: 91.48 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 91 Resp: 760506

Ion	Ratio	Lower	Upper
91	100		
126	21.5	0.0	51.2
62	4.1	0.0	34.2

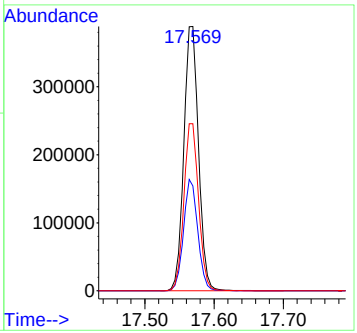


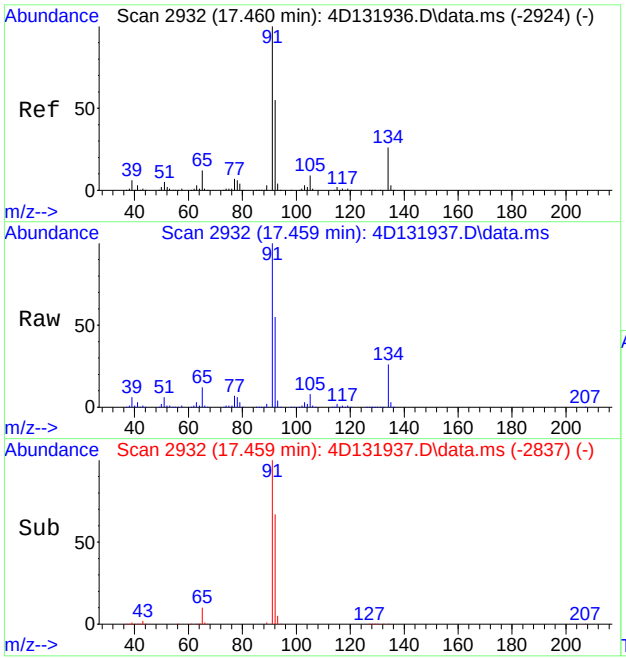


#114
1,2-dichlorobenzene
Concen: 97.62 ug/L
RT: 17.569 min Scan# 2953
Delta R.T. 0.005 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:146 Resp: 576097

Ion	Ratio	Lower	Upper
146	100		
111	39.7	11.4	71.4
148	63.2	33.6	93.6

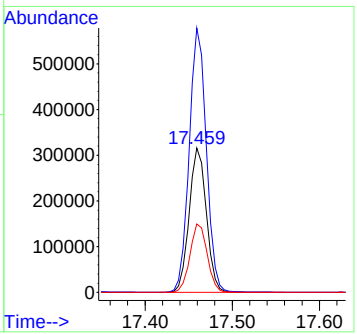


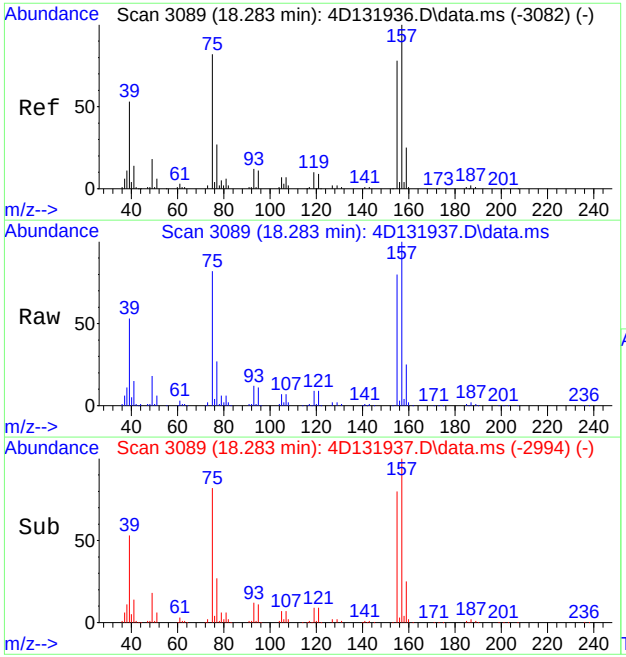


#115
n-butylbenzene
Concen: 95.09 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion: 92 Resp: 433095

Ion	Ratio	Lower	Upper
92	100		
91	182.9	151.4	211.4
134	47.4	16.5	76.5

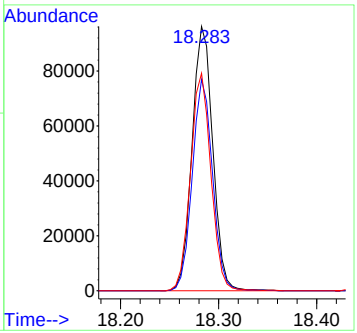


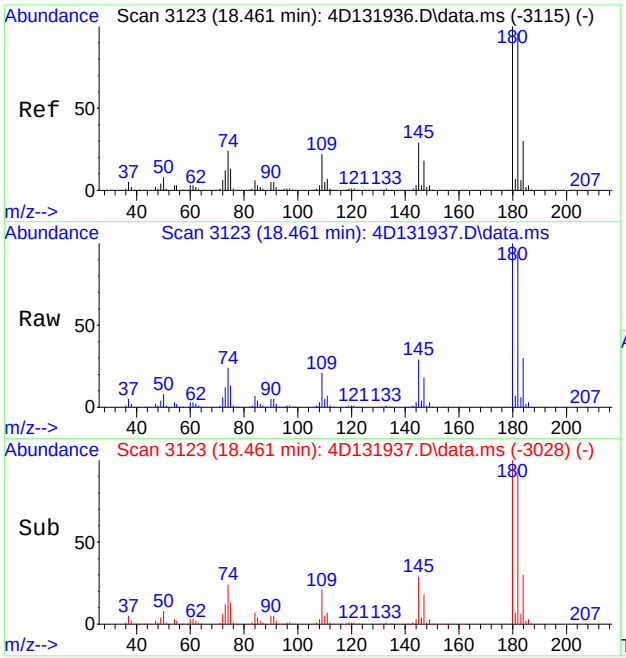


#116
1,2-dibromo-3-chloropropane
Concen: 110.48 ug/L
RT: 18.283 min Scan# 3089
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:157 Resp: 141311

Ion	Ratio	Lower	Upper
157	100		
155	80.0	48.1	108.1
75	82.2	52.3	112.3

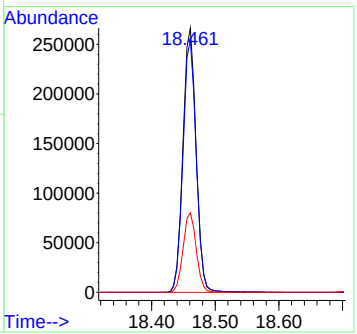


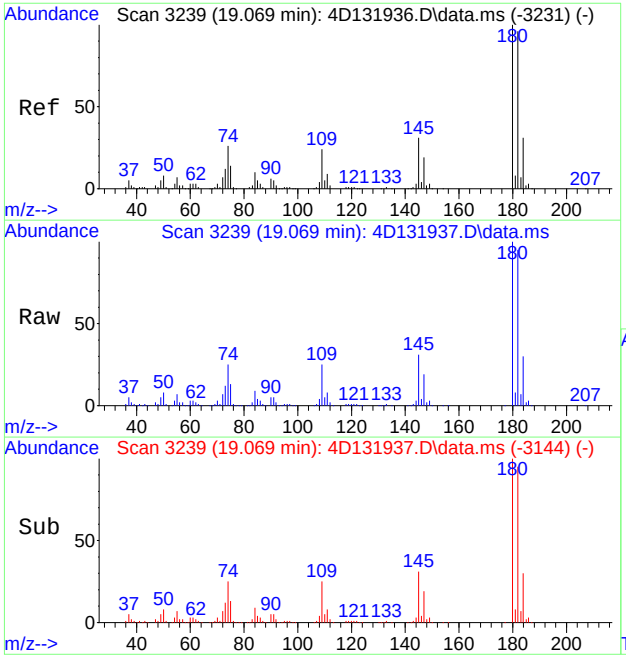


#117
1,3,5-trichlorobenzene
Concen: 105.62 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:180 Resp: 380560

Ion	Ratio	Lower	Upper
180	100		
182	95.4	66.1	126.1
184	30.1	0.3	60.3

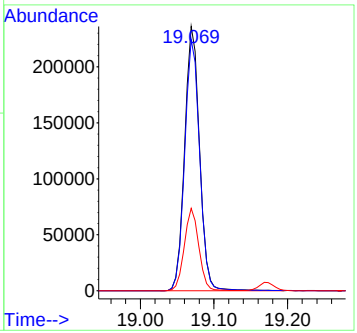


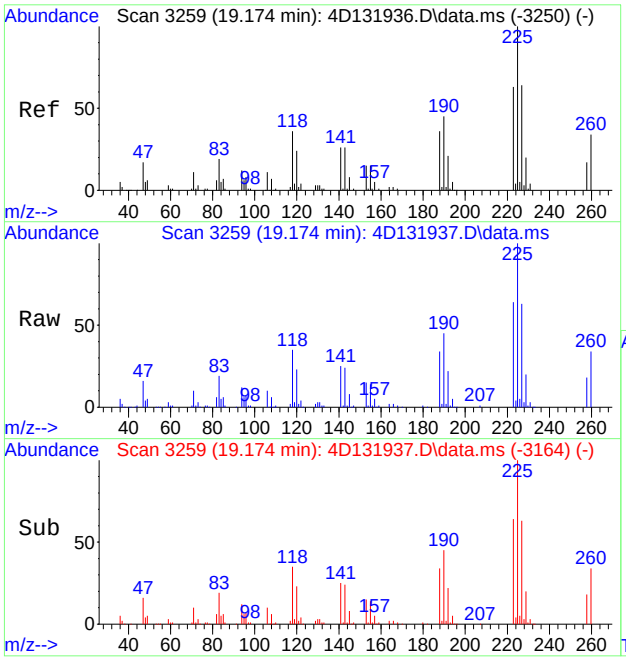


#118
1,2,4-trichlorobenzene
Concen: 106.30 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:180 Resp: 332535

Ion	Ratio	Lower	Upper
180	100		
182	95.0	65.6	125.6
145	31.2	0.8	60.8

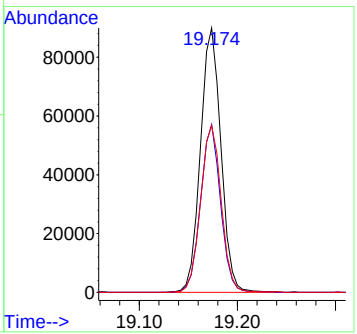


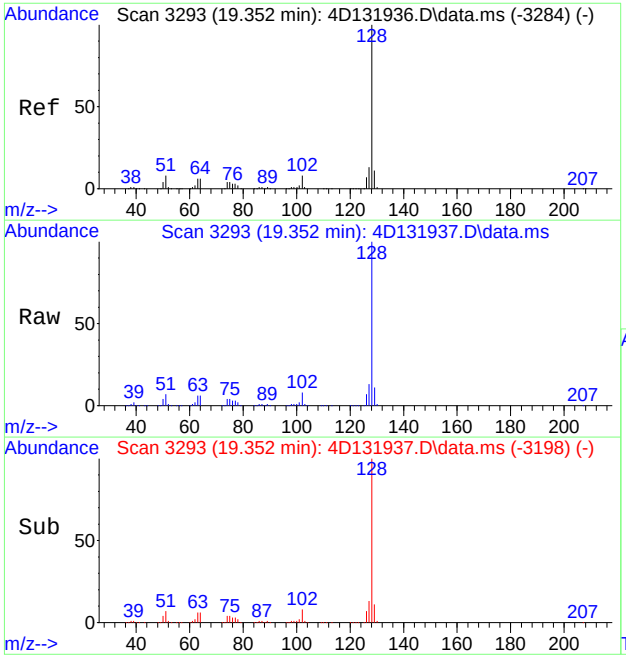


#119
hexachlorobutadiene
Concen: 105.69 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:225 Resp: 130675

Ion	Ratio	Lower	Upper
225	100		
223	63.6	33.3	93.3
227	63.1	33.8	93.8

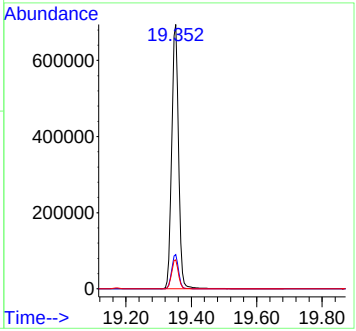


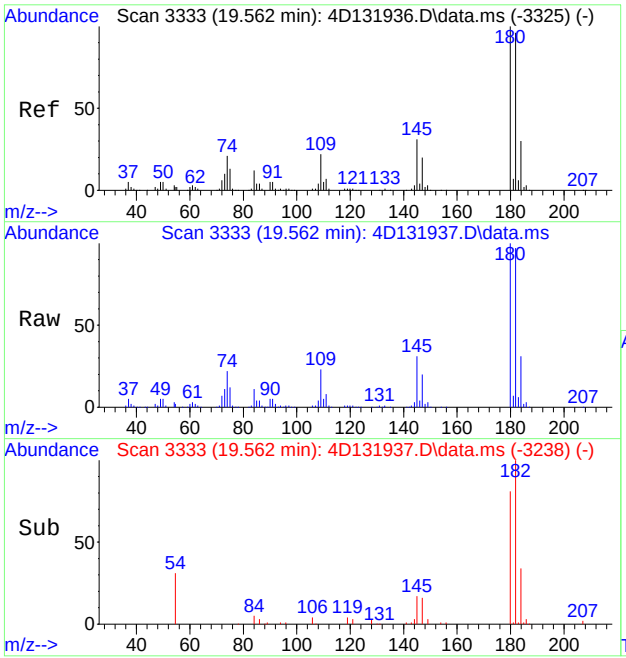


#120
naphthalene
Concen: 94.60 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:128 Resp: 1008132

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	42.5
129	11.0	0.0	41.0

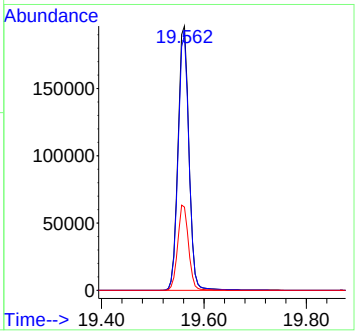


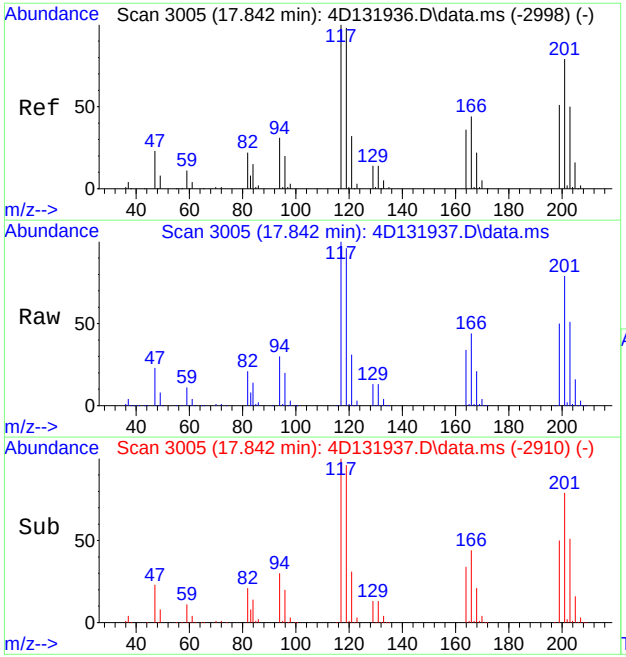


#121
1,2,3-trichlorobenzene
Concen: 103.74 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:180 Resp: 291250

Ion	Ratio	Lower	Upper
180	100		
182	96.6	66.3	126.3
145	31.4	1.3	61.3

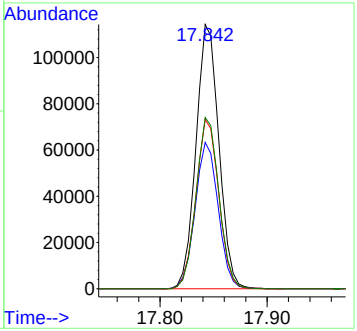


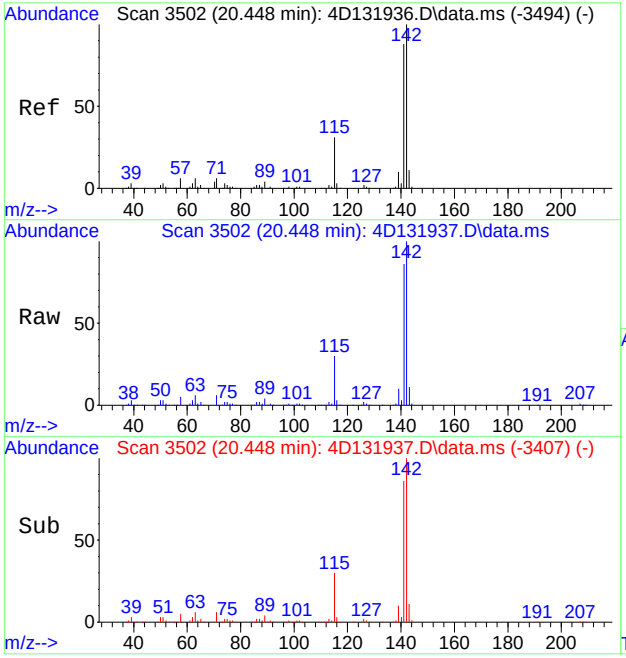


#122
hexachloroethane
Concen: 114.77 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:201 Resp: 170655

Ion	Ratio	Lower	Upper
201	100		
166	55.3	26.1	86.1
199	64.0	33.8	93.8
203	64.8	33.7	93.7

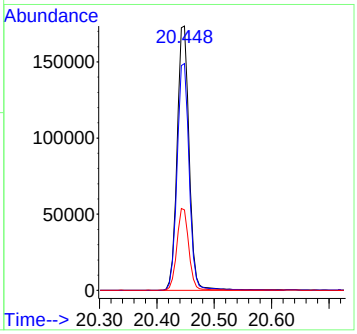




#123
2-methylnaphthalene
Concen: 57.79 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. -0.000 min
Lab File: 4D131937.D
Acq: 6 Oct 2023 7:29 pm

Tgt Ion:142 Resp: 253403

Ion	Ratio	Lower	Upper
142	100		
141	85.8	67.9	107.9
115	30.3	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131938.D
Acq On : 6 Oct 2023 7:58 pm
Operator : nickw
Sample : ic5842-200
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:41:18 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:38:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.850	65	397207	500.00	ug/L	0.02
5) pentafluorobenzene	11.299	168	346773	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	580617	50.00	ug/L	0.00
73) chlorobenzene-d5	15.079	117	463899	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	202288	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.299	168	346773	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	202288	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.341	113	188924	51.16	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.32%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	201060	46.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.76%			
74) toluene-d8 (s)	13.705	98	606584	49.30	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.60%			
97) 4-bromofluorobenzene (s)	16.128	95	220015	51.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.54%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.981	59	1143055	898.14	ug/L	98
3) ethanol	7.356	45	1996481	16368.24	ug/L	99
4) 1,4-dioxane	12.819	88	292123	3668.92	ug/L	99
6) chlorodifluoromethane	4.808	51	995531	206.32	ug/L	99
7) dichlorodifluoromethane	4.735	85	1089481	207.25	ug/L	98
8) chloromethane	5.254	50	1090234	188.18	ug/L	99
9) vinyl chloride	5.500	62	986534	208.15	ug/L	100
10) 1,3-butadiene	5.594	54	697632	182.70	ug/L	99
11) bromomethane	6.260	94	268183	104.04	ug/L	99
12) chloroethane	6.491	64	523392	189.83	ug/L	99
13) trichlorofluoromethane	7.057	101	1179791	209.86	ug/L	98
14) ethyl ether	7.592	74	407088	209.66	ug/L	97
15) acrolein	7.854	56	213189	181.21	ug/L	96
16) freon 113	8.064	151	523618	206.68	ug/L	98
17) 1,1-dichloroethene	8.069	96	557148	191.57	ug/L	99
18) acetone	8.090	58	631585	729.84	ug/L	99
19) acetonitrile	8.572	41	1617217	1891.66	ug/L	100
20) iodomethane	8.368	142	713098	222.74	ug/L	100
21) carbon disulfide	8.515	76	1699094	187.45	ug/L	99
22) methylene chloride	8.892	84	676041	173.17	ug/L	97
23) methyl acetate	8.620	74	188037	210.27	ug/L	98
24) methyl tert butyl ether	9.286	73	2050214	189.08	ug/L	98
25) trans-1,2-dichloroethene	9.327	96	603667	183.30	ug/L	99
26) di-isopropyl ether	9.951	45	2274083	174.81	ug/L	99
27) 2-butanone	10.675	72	597793	763.25	ug/L	97
28) 1,1-dichloroethane	9.972	63	1194308	178.94	ug/L	99
29) chloroprene	10.077	53	1096038	181.44	ug/L	99
30) acrylonitrile	9.223	53	447335	199.47	ug/L	99
31) hexane	9.721	56	545859	175.03	ug/L	99
32) vinyl acetate	9.904	86	130878	171.09	ug/L #	92
33) ethyl tert-butyl ether	10.449	59	2416099	187.80	ug/L	99
34) ethyl acetate	10.696	70	128551	170.25	ug/L	97
35) 2,2-dichloropropane	10.769	77	751637	136.78	ug/L	93
36) cis-1,2-dichloroethene	10.743	96	671013	173.81	ug/L	97
37) methyl acrylate	10.775	55	1208638	174.69	ug/L	98
38) propionitrile	10.764	54	1783863	1769.02	ug/L	79
39) bromochloromethane	11.058	128	354567	184.58	ug/L	96
40) tetrahydrofuran	11.073	72	155945	192.77	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131938.D
Acq On : 6 Oct 2023 7:58 pm
Operator : nickw
Sample : ic5842-200
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:41:18 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:38:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	11.147	85	737055	147.42	ug/L		100
42) t-butyl formate	11.173	59	289152	171.37	ug/L		98
44) methacrylonitrile	10.969	67	397935	183.68	ug/L		98
45) 1,1,1-trichloroethane	11.404	97	1012144	192.09	ug/L		99
46) cyclohexane	11.509	84	861379	180.22	ug/L	#	91
47) 1,1-dichloropropene	11.571	75	802581	179.99	ug/L		100
49) carbon tetrachloride	11.598	117	823396	180.53	ug/L		98
50) tert amyl alcohol	11.708	55	351297	904.42	ug/L		89
53) n-butyl alcohol	12.269	56	2432245	8230.95	ug/L		98
54) 2,2,4-trimethylpentane	11.902	57	1621367	161.84	ug/L		99
55) benzene	11.818	78	2287691	175.50	ug/L		100
56) tert-amyl methyl ether	11.886	87	447309	179.96	ug/L		100
57) heptane	12.049	71	372541	171.70	ug/L		99
58) isopropyl acetate	11.724	87	188045	190.95	ug/L		99
59) 1,2-dichloroethane	11.844	62	905337	166.35	ug/L		100
60) trichloroethene	12.500	130	676605	188.87	ug/L		100
61) ethyl acrylate	12.479	55	1260145	182.23	ug/L		99
63) 2-chloroethyl vinyl ether	13.218	63	1794278	895.57	ug/L		100
64) methyl methacrylate	12.725	100	240802	195.47	ug/L		97
65) 1,2-dichloropropane	12.772	63	657113	176.12	ug/L		99
66) dibromomethane	12.872	93	416601	177.40	ug/L		99
67) methylcyclohexane	12.772	83	904746	175.85	ug/L		99
68) bromodichloromethane	13.013	83	868787	181.41	ug/L		99
69) epichlorohydrin	13.307	57	604669	846.32	ug/L		97
70) cis-1,3-dichloropropene	13.422	75	1050912	184.98	ug/L		98
71) 4-methyl-2-pentanone	13.511	58	1430028	630.26	ug/L		93
75) toluene	13.774	92	1420146	181.74	ug/L		98
76) trans-1,3-dichloropropene	13.936	75	928919	180.14	ug/L		99
77) ethyl methacrylate	13.915	69	904198	177.58	ug/L		98
78) 1,1,2-trichloroethane	14.141	83	515529	185.40	ug/L		98
79) tetrachloroethene	14.277	164	475258	174.34	ug/L		99
80) 1,3-dichloropropane	14.303	76	849301	171.98	ug/L		99
81) 2-hexanone	14.277	58	1617873	654.89	ug/L		97
82) butyl acetate	14.340	56	564445	160.29	ug/L		97
83) dibromochloromethane	14.534	129	745725	193.55	ug/L		99
84) 1,2-dibromoethane	14.675	107	677077	191.66	ug/L		98
85) n-butyl ether	15.037	57	2724897	185.11	ug/L		99
86) chlorobenzene	15.105	112	1568870	182.60	ug/L		99
87) 1,1,1,2-tetrachloroethane	15.163	131	553861	178.16	ug/L		99
88) ethylbenzene	15.152	91	2426636	172.13	ug/L		99
89) m,p-xylene	15.257	106	1862280	343.32	ug/L		99
90) o-xylene	15.624	106	915416	172.43	ug/L		96
91) styrene	15.635	104	1502685	168.26	ug/L		98
92) bromoform	15.855	173	559503	204.61	ug/L		99
93) butyl acrylate	15.446	55	1475903	177.29	ug/L		99
94) isopropylbenzene	15.934	105	2228266	182.00	ug/L		100
95) cis-1,4-dichloro-2-butene	15.970	88	329341	206.81	ug/L		99
98) bromobenzene	16.301	156	641053	187.07	ug/L		99
99) 1,1,2,2-tetrachloroethane	16.191	83	856999	188.99	ug/L		99
100) trans-1,4-dichloro-2-b...	16.217	53	284472	208.37	ug/L		100
101) 1,2,3-trichloropropane	16.275	110	238328	196.92	ug/L		99
102) n-propylbenzene	16.311	91	2488001	172.87	ug/L		100
103) 2-chlorotoluene	16.442	126	551906	178.41	ug/L		97
104) 4-chlorotoluene	16.542	91	1658462	175.53	ug/L		100
105) 1,3,5-trimethylbenzene	16.453	105	1764038	174.15	ug/L		99
106) tert-butylbenzene	16.762	134	353566	189.57	ug/L		99
107) 1,2,4-trimethylbenzene	16.809	105	1842233	180.88	ug/L		100
108) sec-butylbenzene	16.967	105	2118924	180.50	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131938.D
Acq On : 6 Oct 2023 7:58 pm
Operator : nickw
Sample : ic5842-200
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:41:18 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:38:28 2023
Response via : Initial Calibration

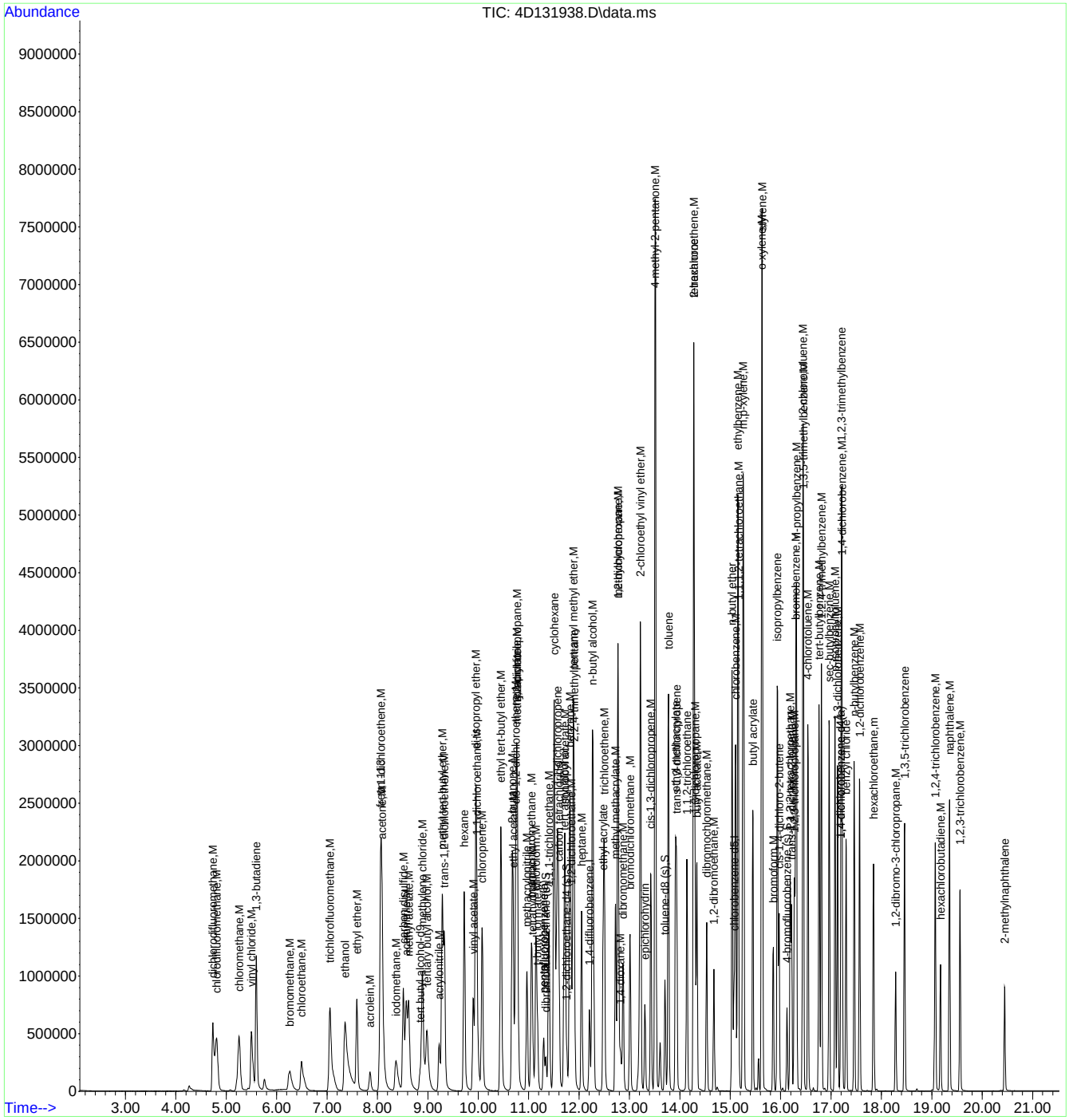
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	17.129	146	1096987	185.28	ug/L	99
110) p-isopropyltoluene	17.082	119	1775041	182.69	ug/L	99
111) 1,4-dichlorobenzene	17.218	146	1038604	181.68	ug/L	99
112) 1,2,3-trimethylbenzene	17.208	105	1743224	178.51	ug/L	99
113) benzyl chloride	17.297	91	1425803	183.62	ug/L	100
114) 1,2-dichlorobenzene	17.570	146	1087511	195.69	ug/L	99
115) n-butylbenzene	17.459	92	794675	185.81	ug/L	99
116) 1,2-dibromo-3-chloropr...	18.283	157	277222	226.91	ug/L	99
117) 1,3,5-trichlorobenzene	18.461	180	695562	203.20	ug/L	100
118) 1,2,4-trichlorobenzene	19.069	180	609517	204.75	ug/L	99
119) hexachlorobutadiene	19.174	225	216148	183.86	ug/L	100
120) naphthalene	19.352	128	1842580	184.37	ug/L	99
121) 1,2,3-trichlorobenzene	19.562	180	529046	198.75	ug/L	100
122) hexachloroethane	17.842	201	324945	227.26	ug/L	99
123) 2-methylnaphthalene	20.448	142	416347	98.64	ug/L	99

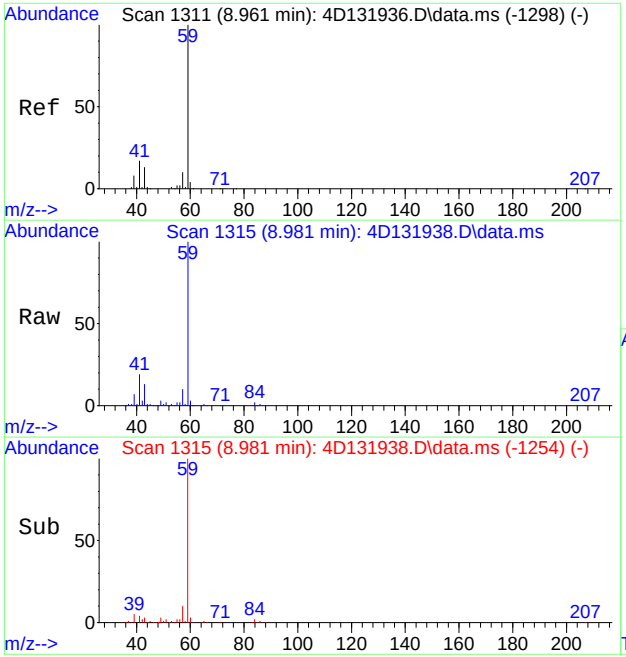
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131938.D
Acq On : 6 Oct 2023 7:58 pm
Operator : nickw
Sample : ic5842-200
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 15:41:18 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:38:28 2023
Response via : Initial Calibration

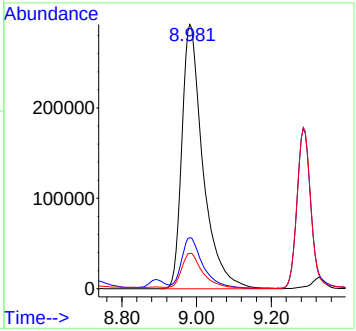


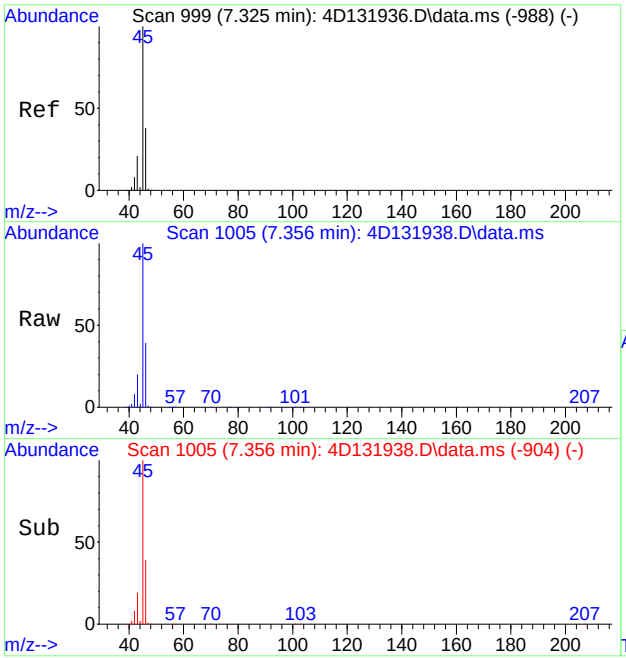


#2
tertiary butyl alcohol
Concen: 898.14 ug/L
RT: 8.981 min Scan# 1315
Delta R.T. 0.021 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 59 Resp: 1143055

Ion	Ratio	Lower	Upper
59	100		
41	19.0	0.0	49.8
43	13.0	0.0	43.7

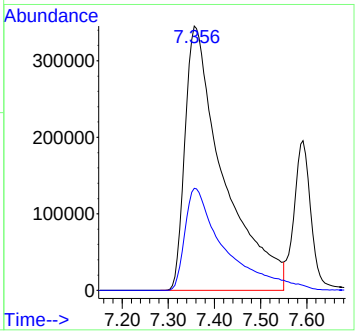


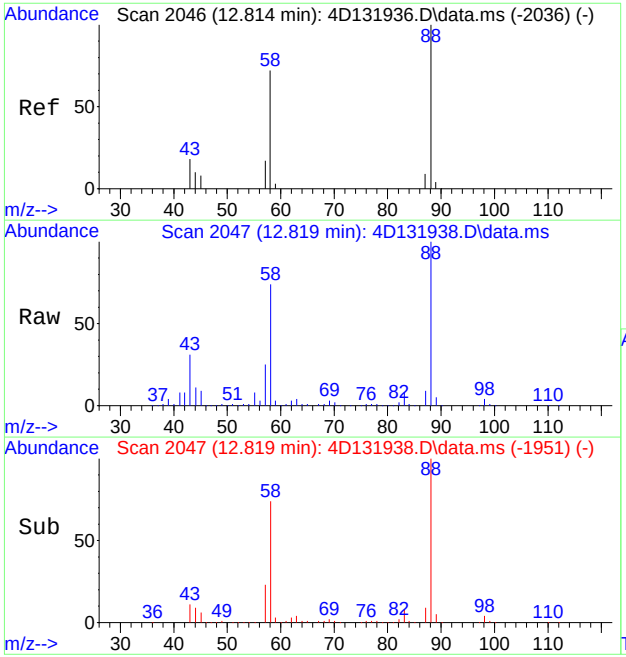


#3
ethanol
Concen: 16368.24 ug/L
RT: 7.356 min Scan# 1005
Delta R.T. 0.031 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 45 Resp: 1996481

Ion	Ratio	Lower	Upper
45	100		
46	38.6	8.2	68.2

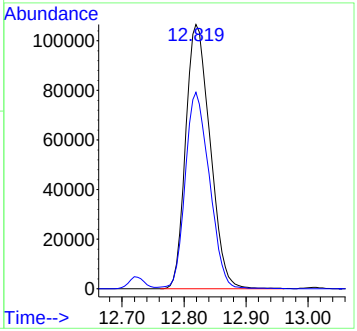


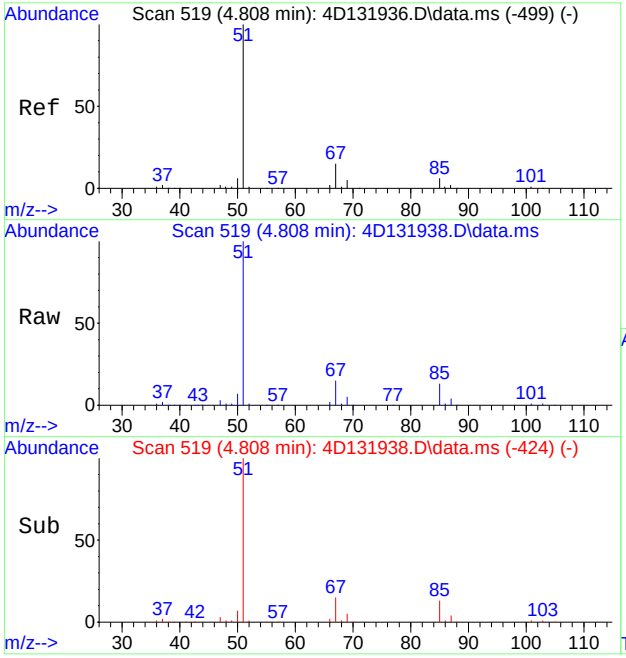


#4
1,4-dioxane
Concen: 3668.92 ug/L
RT: 12.819 min Scan# 2047
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 88 Resp: 292123

Ion	Ratio	Lower	Upper
88	100		
58	74.2	43.1	103.1

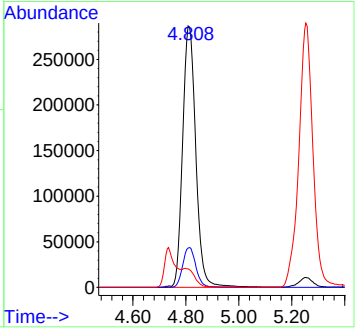


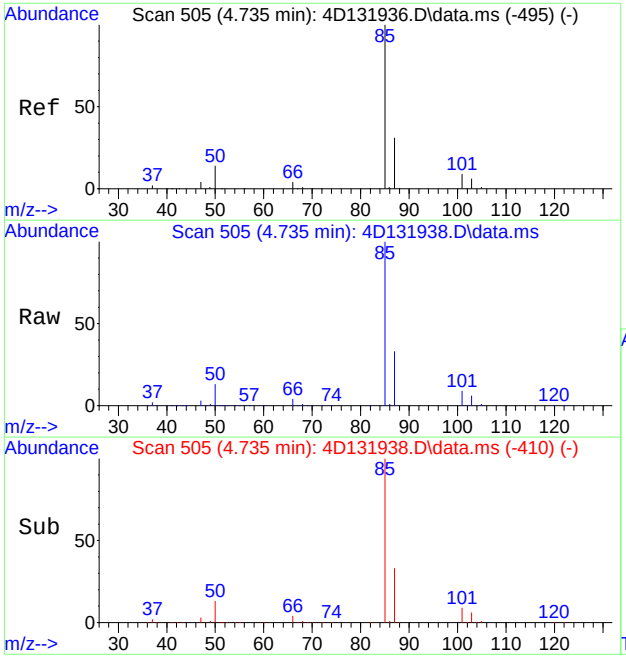


#6
chlorodifluoromethane
Concen: 206.32 ug/L
RT: 4.808 min Scan# 519
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 51 Resp: 995531

Ion	Ratio	Lower	Upper
51	100		
67	15.0	0.0	45.1
50	6.4	0.0	36.9

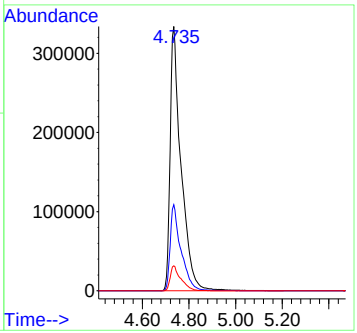


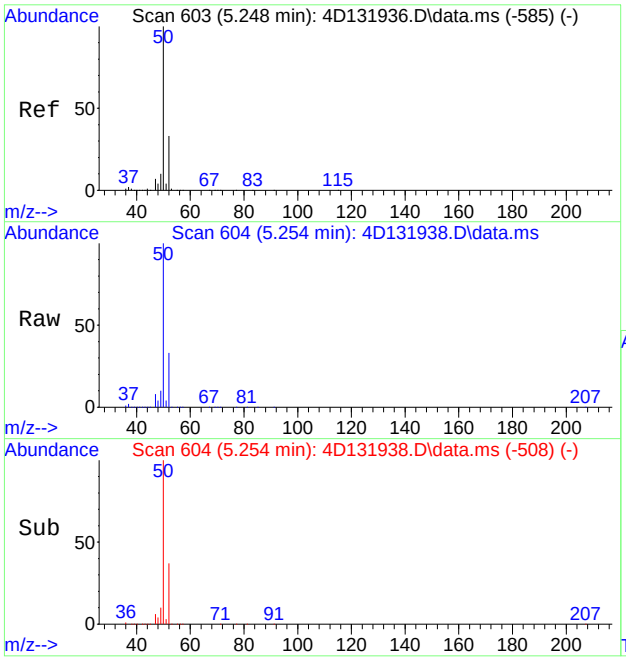


#7
dichlorodifluoromethane
Concen: 207.25 ug/L
RT: 4.735 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 85 Resp: 1089481

Ion	Ratio	Lower	Upper
85	100		
87	32.5	1.4	61.4
101	9.5	0.0	39.3

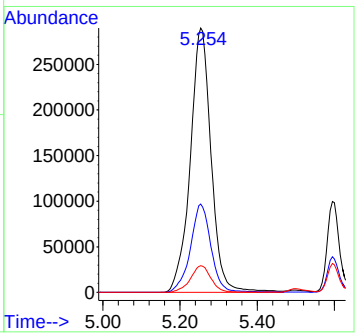


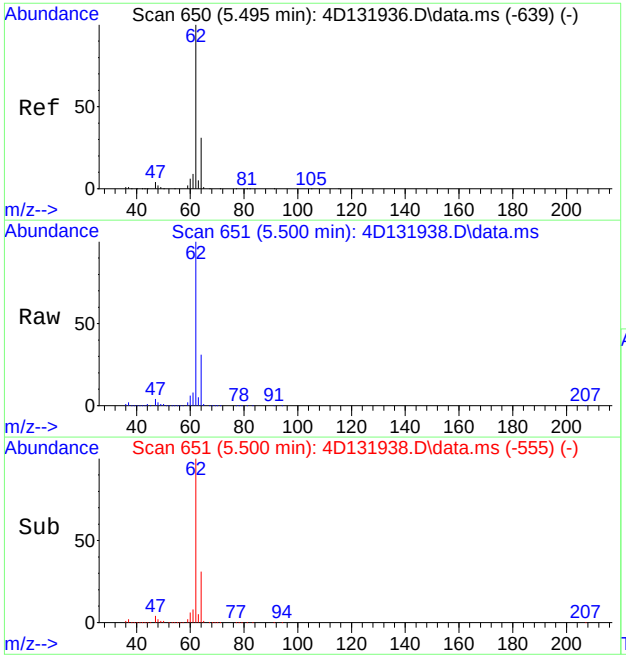


#8
chloromethane
Concen: 188.18 ug/L
RT: 5.254 min Scan# 604
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 50 Resp: 1090234

Ion	Ratio	Lower	Upper
50	100		
52	33.4	2.8	62.8
49	10.1	0.0	40.0

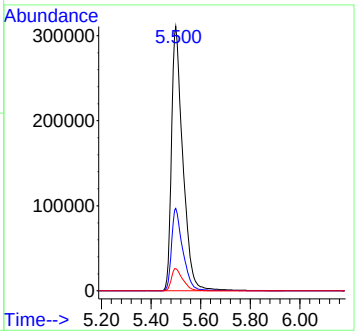


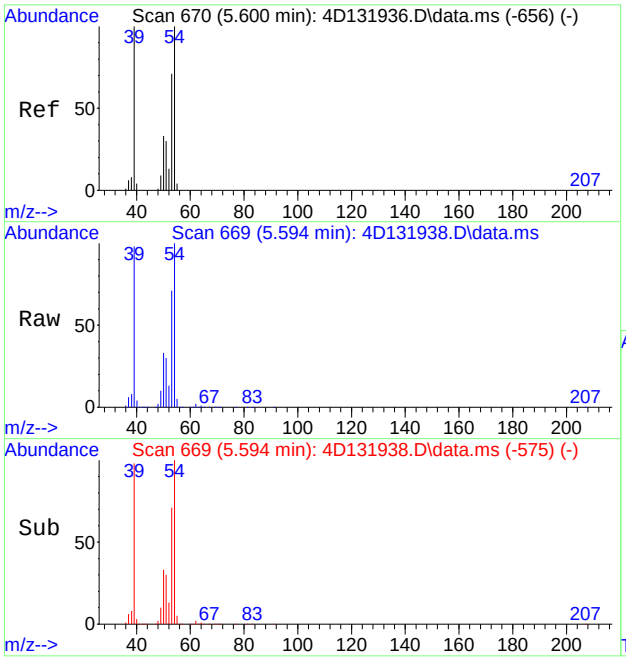


#9
vinyl chloride
Concen: 208.15 ug/L
RT: 5.500 min Scan# 651
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 62 Resp: 986534

Ion	Ratio	Lower	Upper
62	100		
64	31.2	1.2	61.2
61	8.4	0.0	38.7

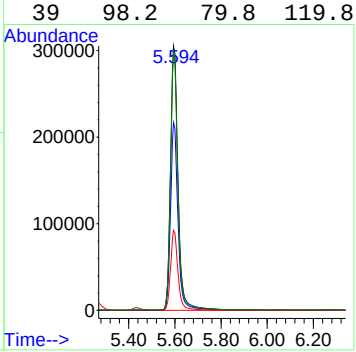


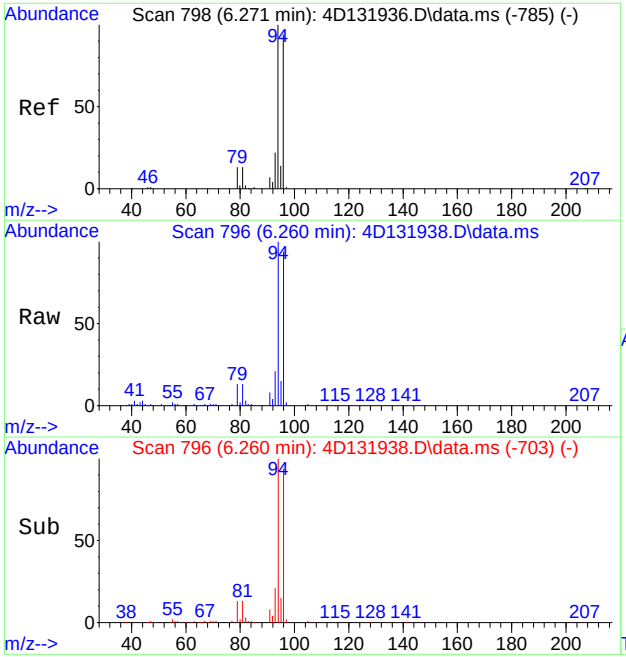


#10
1,3-butadiene
Concen: 182.70 ug/L
RT: 5.594 min Scan# 669
Delta R.T. -0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 54 Resp: 697632

Ion	Ratio	Lower	Upper
54	100		
53	71.0	41.0	101.0
51	30.2	0.0	59.6
39	98.2	79.8	119.8

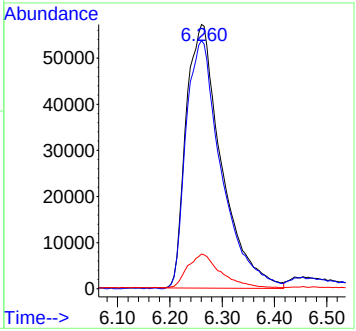


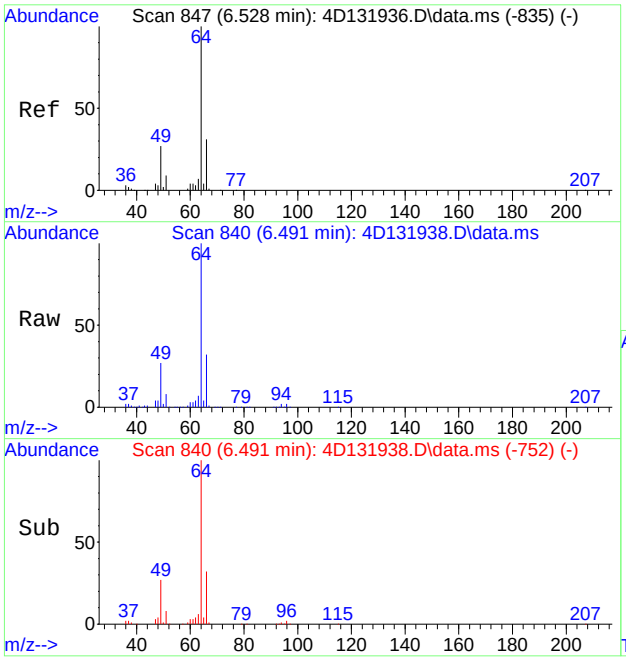


#11
bromomethane
Concen: 104.04 ug/L
RT: 6.260 min Scan# 796
Delta R.T. -0.011 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 94 Resp: 268183

Ion	Ratio	Lower	Upper
94	100		
96	94.2	63.6	123.6
79	12.8	0.0	43.4

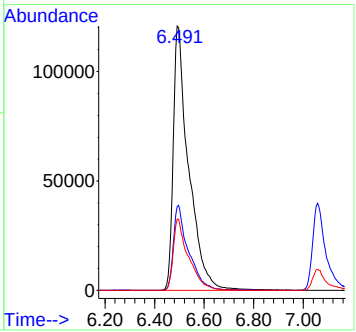


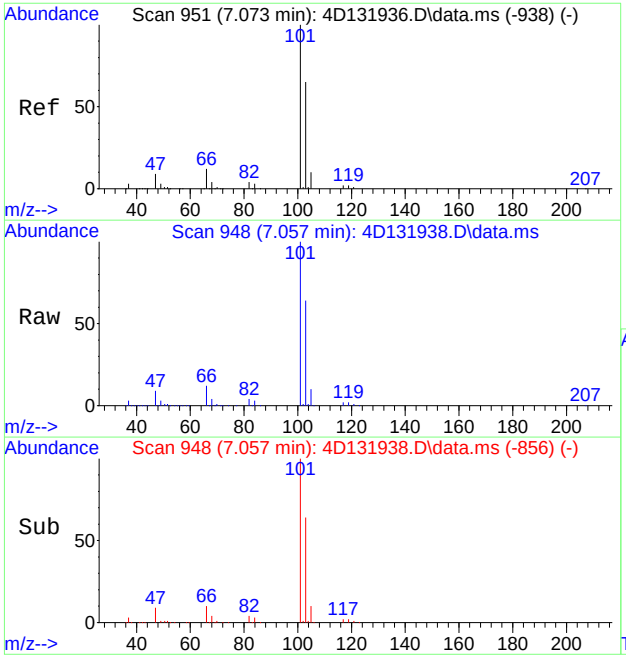


#12
chloroethane
Concen: 189.83 ug/L
RT: 6.491 min Scan# 840
Delta R.T. -0.037 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 64 Resp: 523392

Ion	Ratio	Lower	Upper
64	100		
66	31.7	1.2	61.2
49	27.0	0.0	57.3

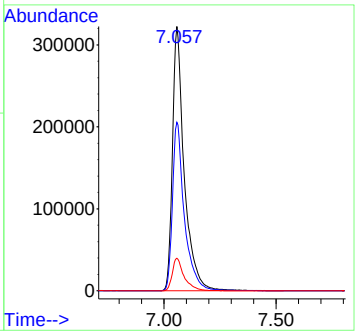


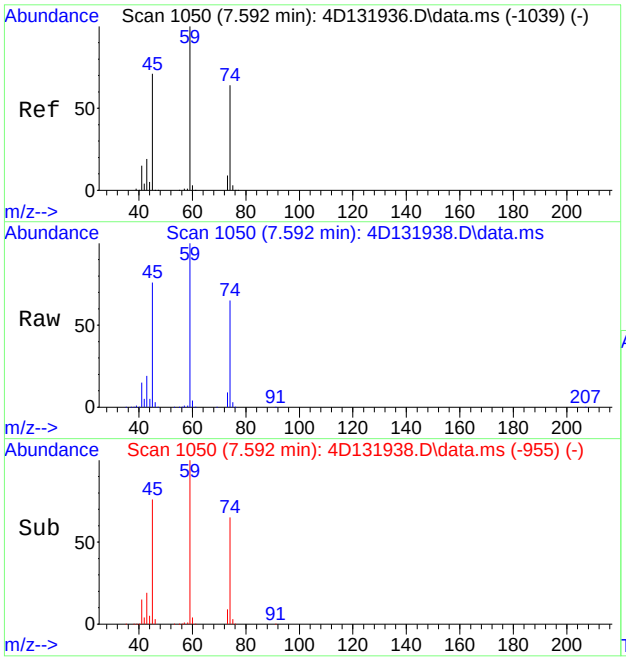


#13
trichlorofluoromethane
Concen: 209.86 ug/L
RT: 7.057 min Scan# 948
Delta R.T. -0.016 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:101 Resp: 1179791

Ion	Ratio	Lower	Upper
101	100		
103	63.7	35.1	95.1
66	12.4	0.0	42.2

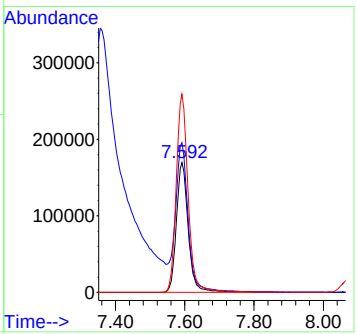


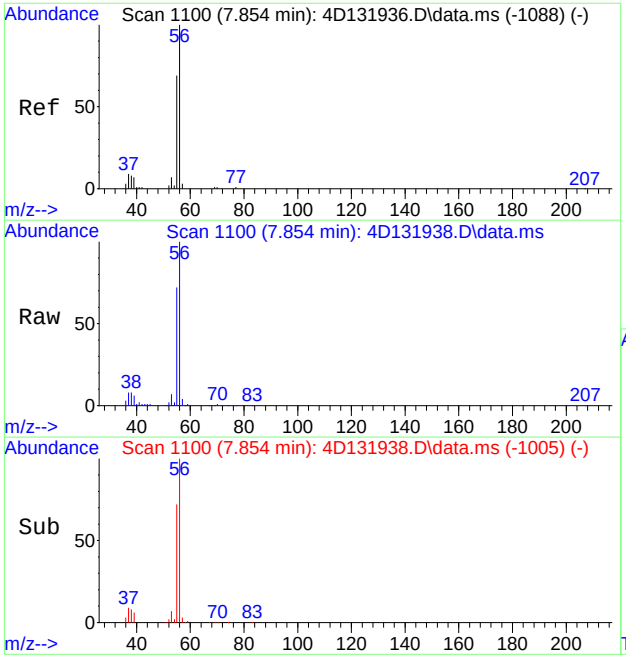


#14
ethyl ether
Concen: 209.66 ug/L
RT: 7.592 min Scan# 1050
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 74 Resp: 407088

Ion	Ratio	Lower	Upper
74	100		
45	115.1	89.0	149.0
59	152.7	125.8	185.8

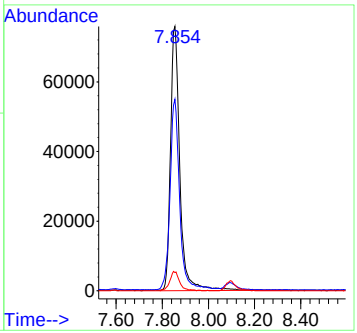


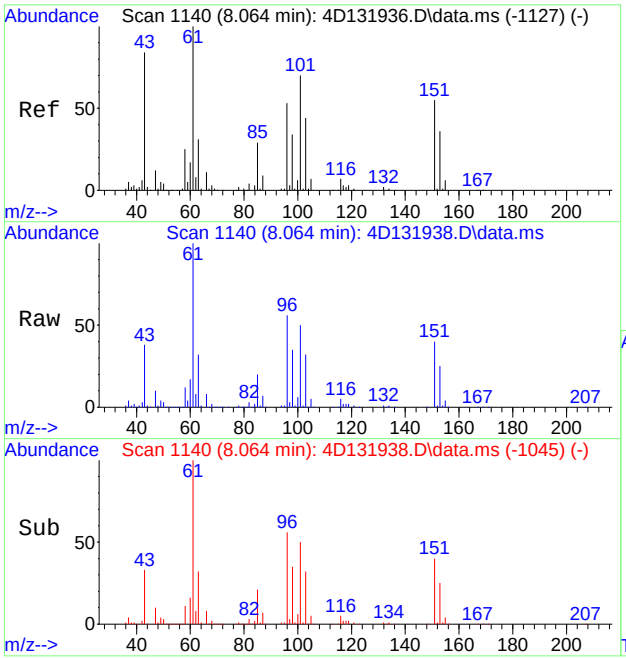


#15
acrolein
Concen: 181.21 ug/L
RT: 7.854 min Scan# 1100
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 56 Resp: 213189

Ion	Ratio	Lower	Upper
56	100		
55	72.1	38.7	98.7
53	6.9	0.0	37.5

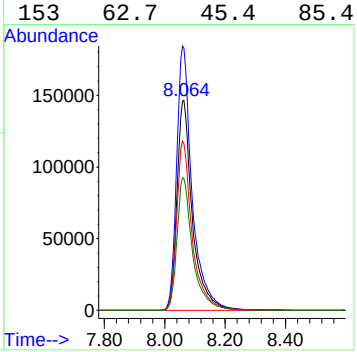


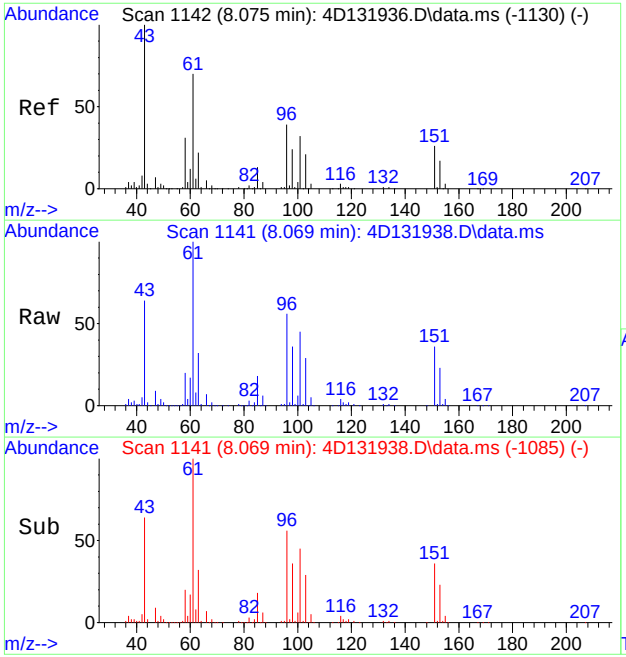


#16
freon 113
Concen: 206.68 ug/L
RT: 8.064 min Scan# 1140
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:151 Resp: 523618

Ion	Ratio	Lower	Upper
151	100		
101	124.9	107.6	147.6
103	79.5	61.2	101.2
153	62.7	45.4	85.4

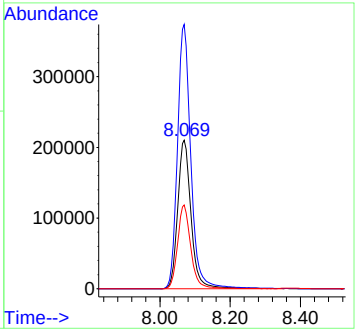


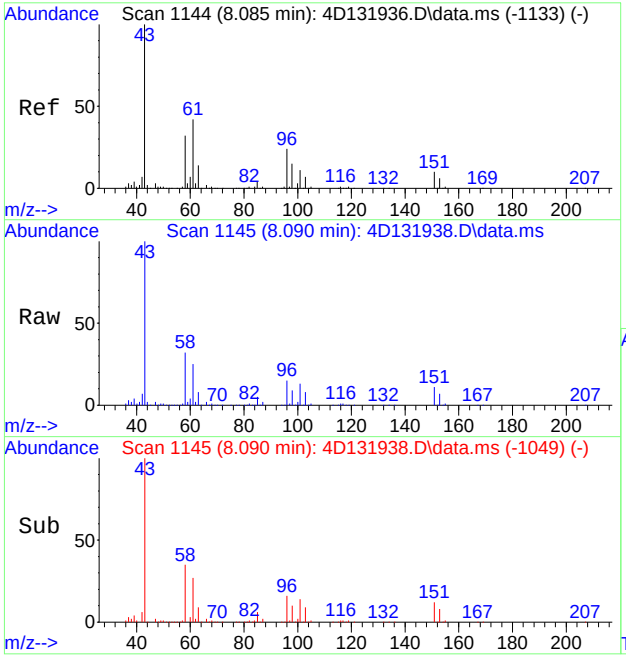


#17
1,1-dichloroethene
Concen: 191.57 ug/L
RT: 8.069 min Scan# 1141
Delta R.T. -0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 96 Resp: 557148

Ion	Ratio	Lower	Upper
96	100		
61	177.9	149.0	209.0
63	56.4	26.1	86.1

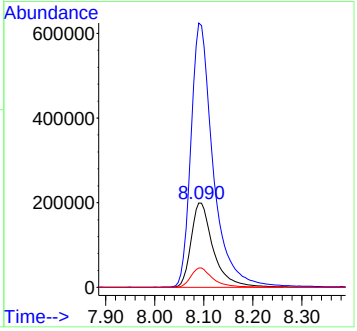




#18
acetone
Concen: 729.84 ug/L
RT: 8.090 min Scan# 1145
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

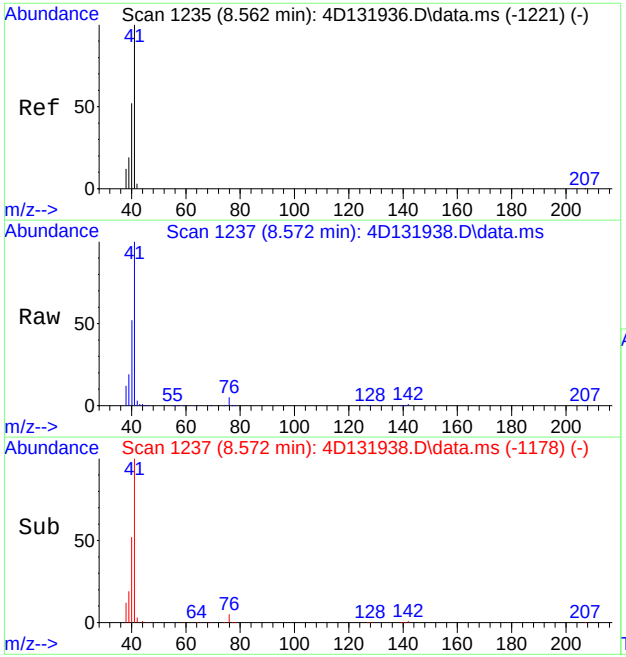
Tgt Ion: 58 Resp: 631585

Ion	Ratio	Lower	Upper
58	100		
43	312.7	285.1	345.1
42	22.9	0.0	53.5



7.6.10

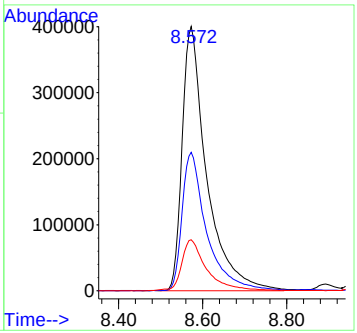
7

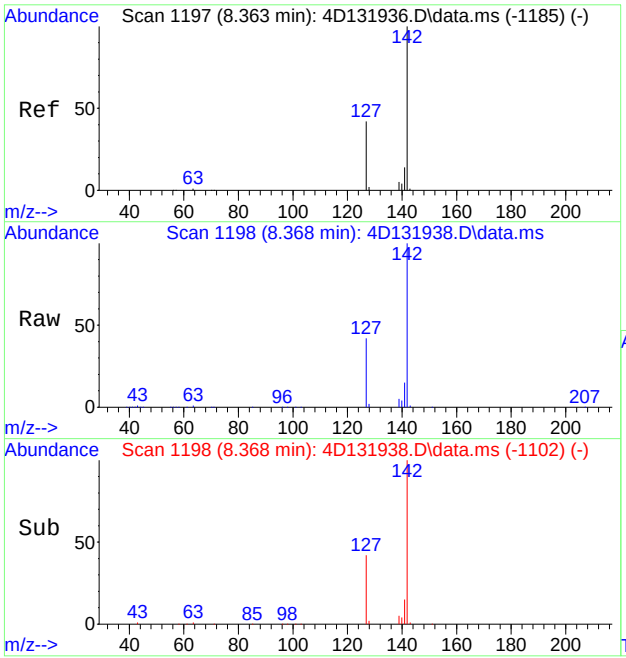


#19
acetonitrile
Concen: 1891.66 ug/L
RT: 8.572 min Scan# 1237
Delta R.T. 0.010 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 41 Resp: 1617217

Ion	Ratio	Lower	Upper
41	100		
40	52.3	22.4	82.4
39	19.2	0.0	49.2

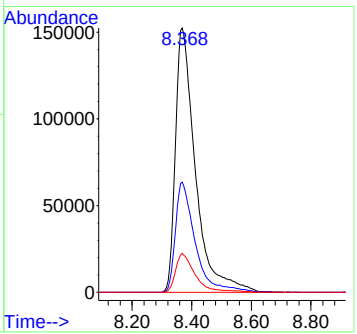


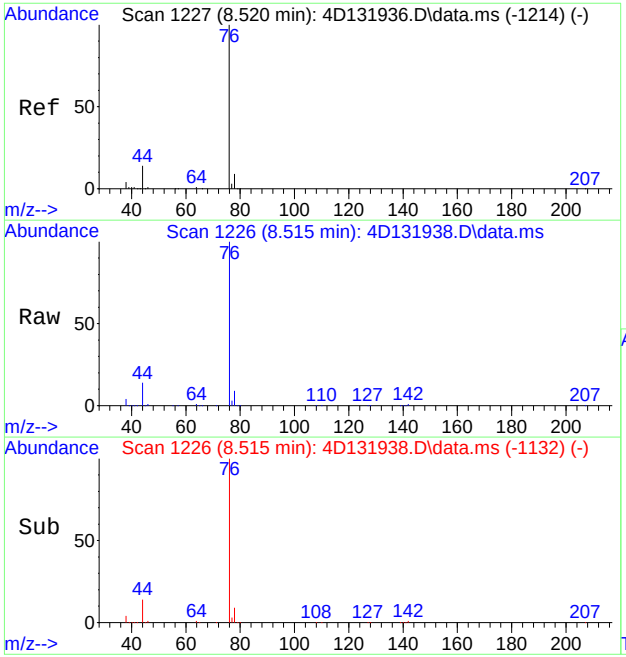


#20
iodomethane
Concen: 222.74 ug/L
RT: 8.368 min Scan# 1198
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:142 Resp: 713098

Ion	Ratio	Lower	Upper
142	100		
127	41.7	11.7	71.7
141	14.8	0.0	44.4

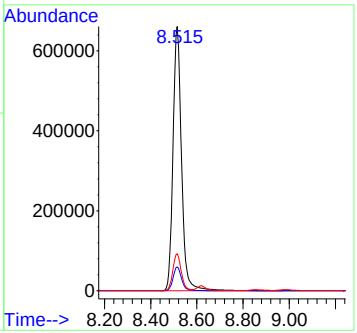


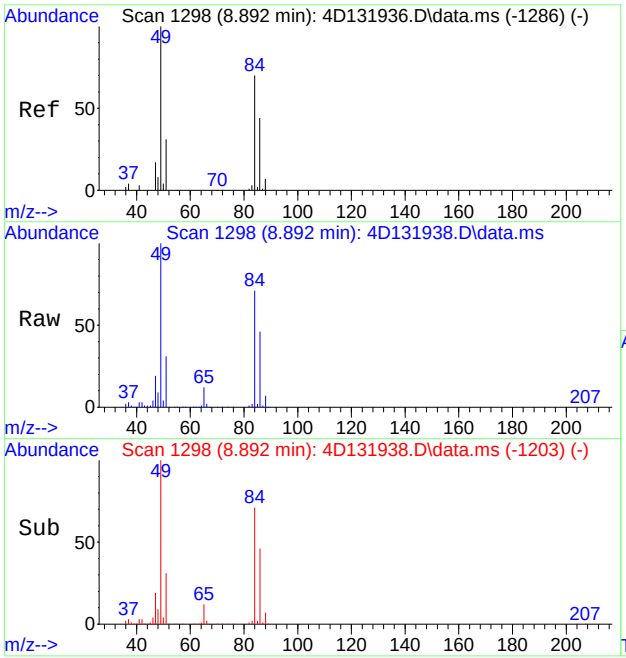


#21
carbon disulfide
Concen: 187.45 ug/L
RT: 8.515 min Scan# 1226
Delta R.T. -0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 76 Resp: 1699094

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	39.2
44	13.9	0.0	44.4

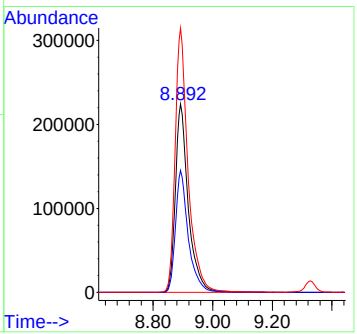




#22
methylene chloride
Concen: 173.17 ug/L
RT: 8.892 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

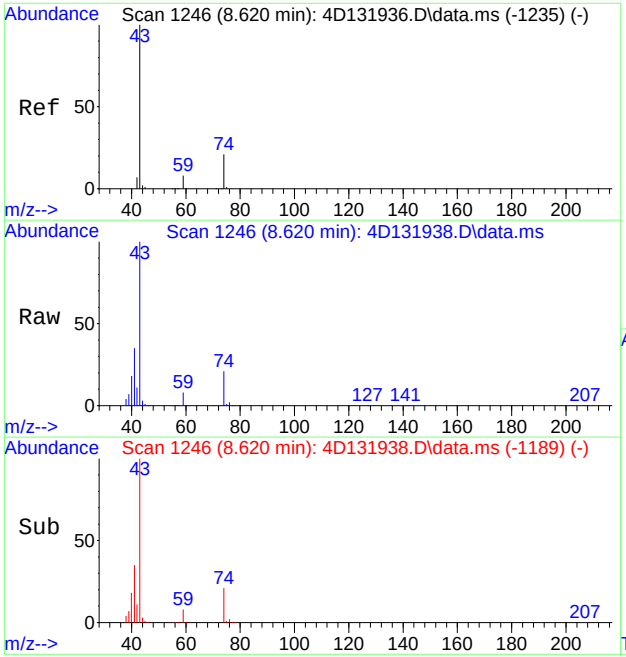
Tgt Ion: 84 Resp: 676041

Ion	Ratio	Lower	Upper
84	100		
86	64.7	33.7	93.7
49	140.3	114.9	174.9



7.6.10

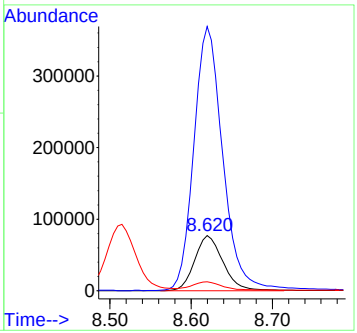
7

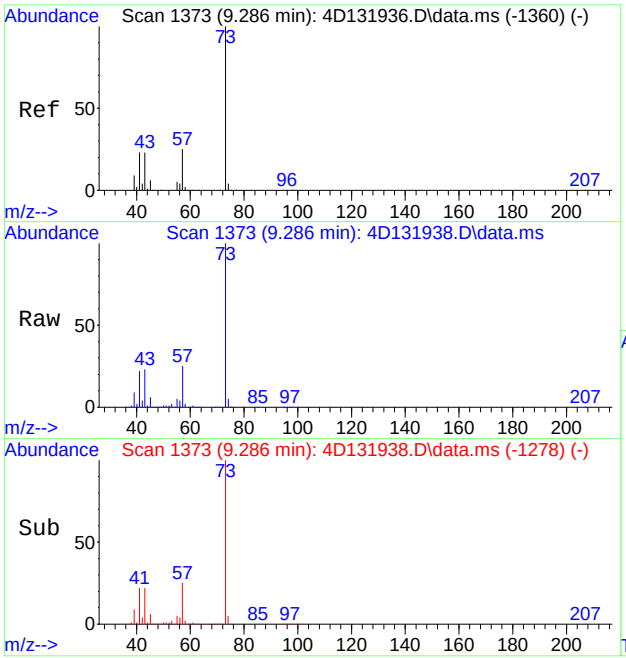


#23
methyl acetate
Concen: 210.27 ug/L
RT: 8.620 min Scan# 1246
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 74 Resp: 188037

Ion	Ratio	Lower	Upper
74	100		
43	476.4	453.1	513.1
44	14.9	0.0	45.1

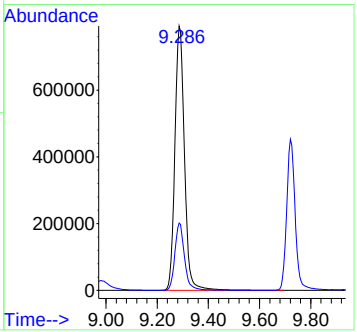


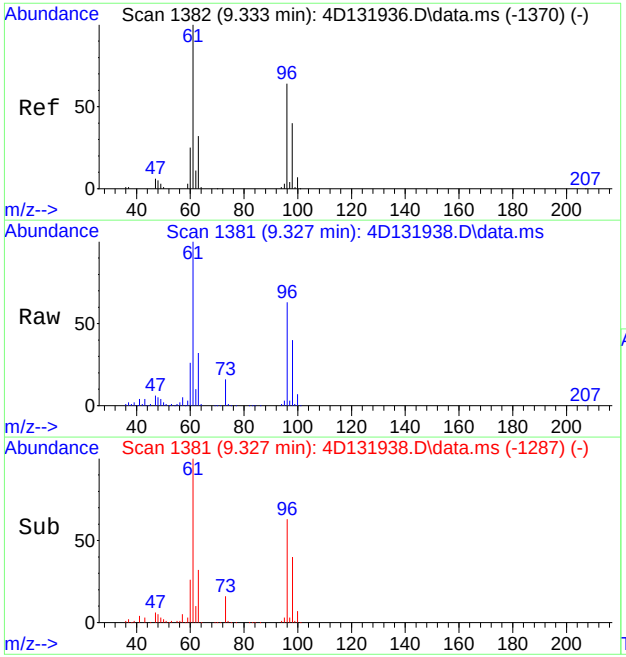


#24
methyl tert butyl ether
Concen: 189.08 ug/L
RT: 9.286 min Scan# 1373
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 73 Resp: 2050214

Ion	Ratio	Lower	Upper
73	100		
57	25.4	0.0	224.6

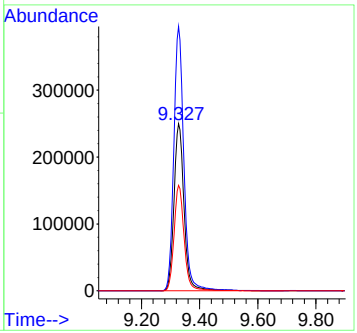


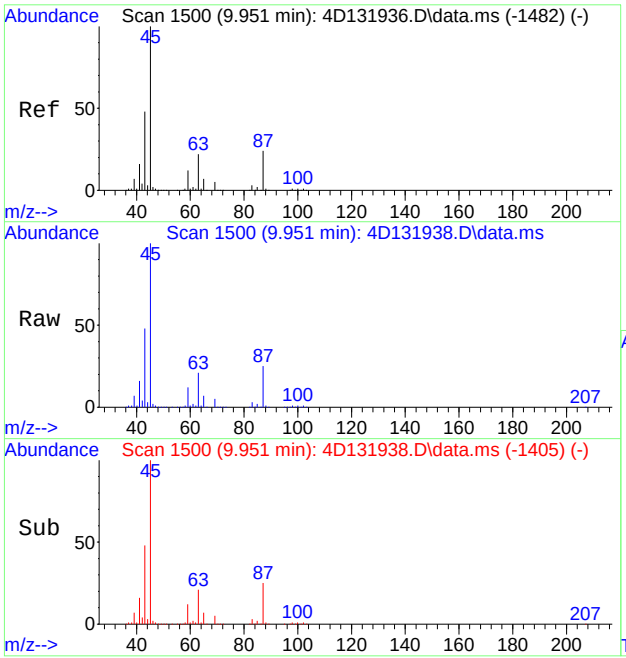


#25
trans-1,2-dichloroethene
Concen: 183.30 ug/L
RT: 9.327 min Scan# 1381
Delta R.T. -0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 96 Resp: 603667

Ion	Ratio	Lower	Upper
96	100		
61	158.2	126.5	186.5
98	63.1	33.3	93.3

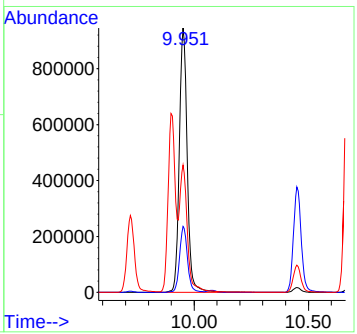


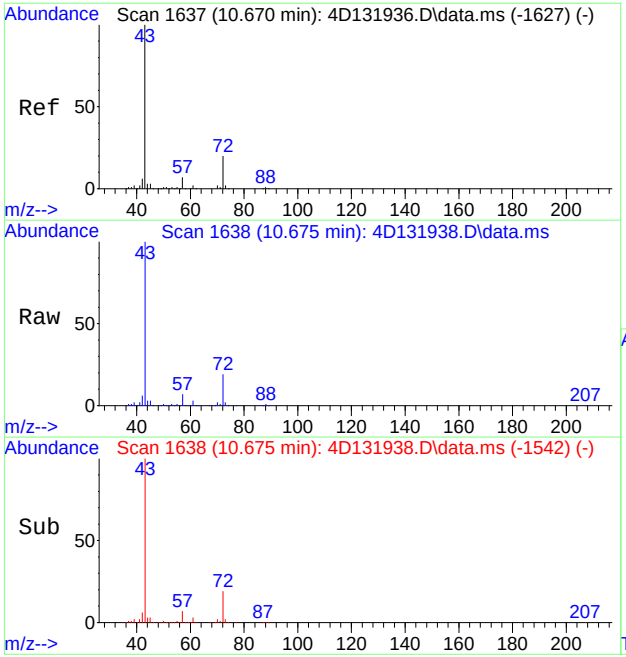


#26
di-isopropyl ether
Concen: 174.81 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 45 Resp: 2274083

Ion	Ratio	Lower	Upper
45	100		
87	24.9	0.0	54.4
43	48.1	18.8	78.8

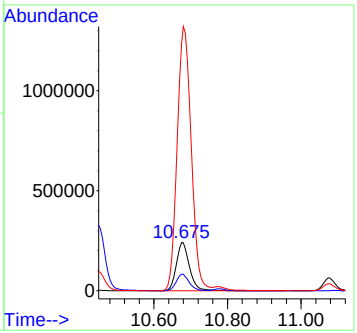


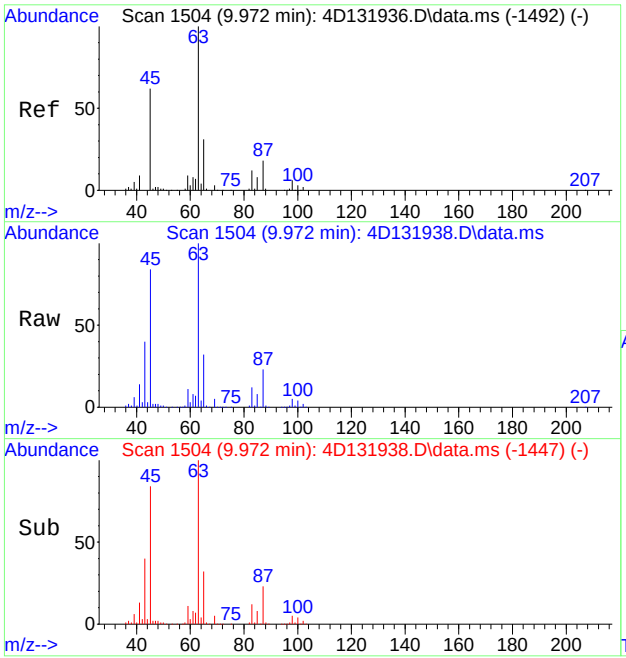


#27
2-butanone
Concen: 763.25 ug/L
RT: 10.675 min Scan# 1638
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 72 Resp: 597793

Ion	Ratio	Lower	Upper
72	100		
57	34.6	3.7	63.7
43	515.1	475.8	535.8

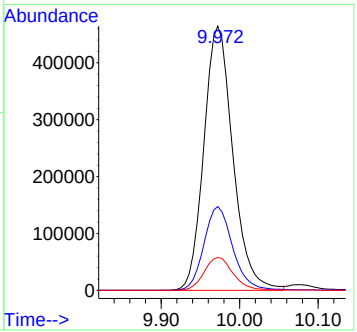


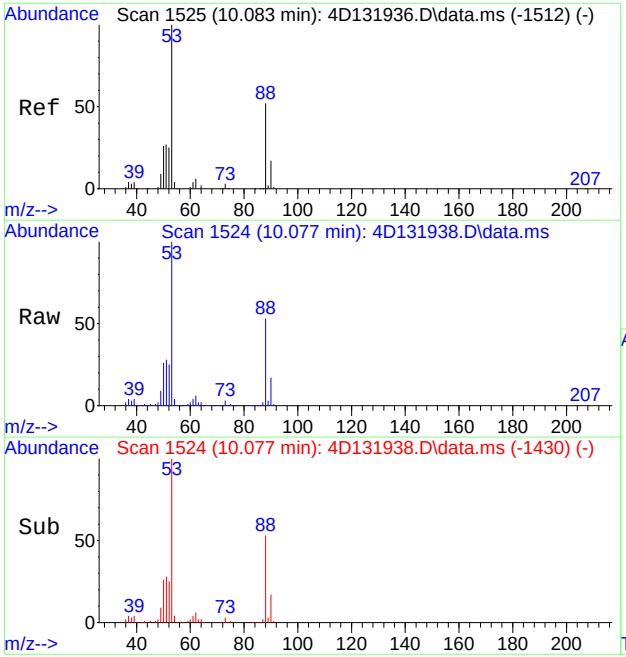


#28
1,1-dichloroethane
Concen: 178.94 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 63 Resp: 1194308

Ion	Ratio	Lower	Upper
63	100		
65	31.7	0.9	60.9
83	12.5	0.0	42.3

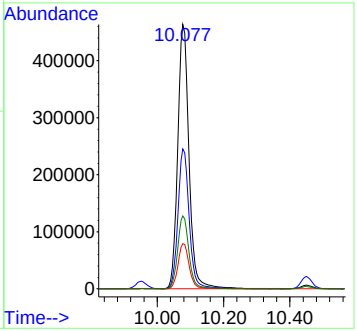


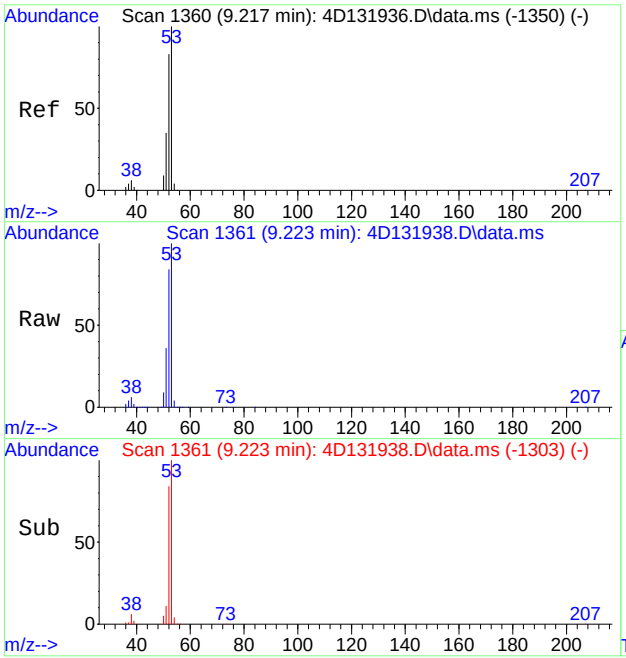


#29
chloroprene
Concen: 181.44 ug/L
RT: 10.077 min Scan# 1524
Delta R.T. -0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 53 Resp: 1096038

Ion	Ratio	Lower	Upper
53	100		
88	52.8	21.8	81.8
90	17.0	0.0	47.2
51	27.6	0.0	57.5

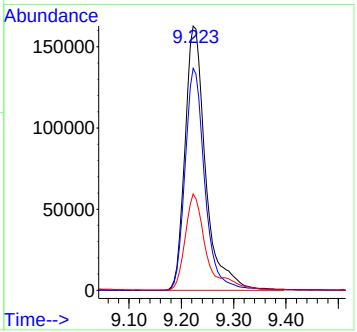


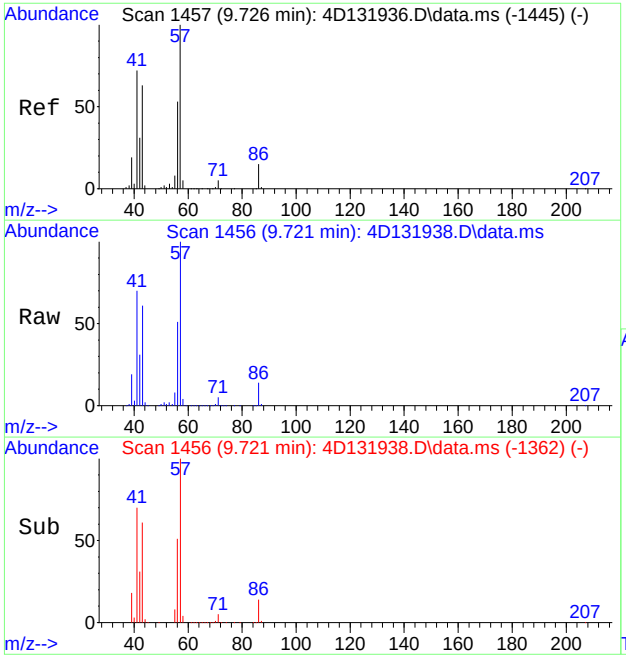


#30
acrylonitrile
Concen: 199.47 ug/L
RT: 9.223 min Scan# 1361
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 53 Resp: 447335

Ion	Ratio	Lower	Upper
53	100		
52	84.0	53.4	113.4
51	36.3	5.0	65.0

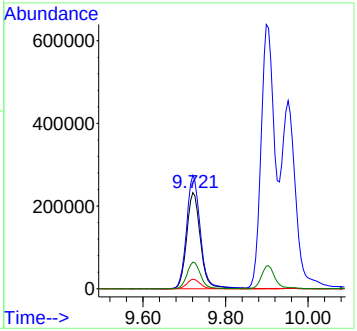


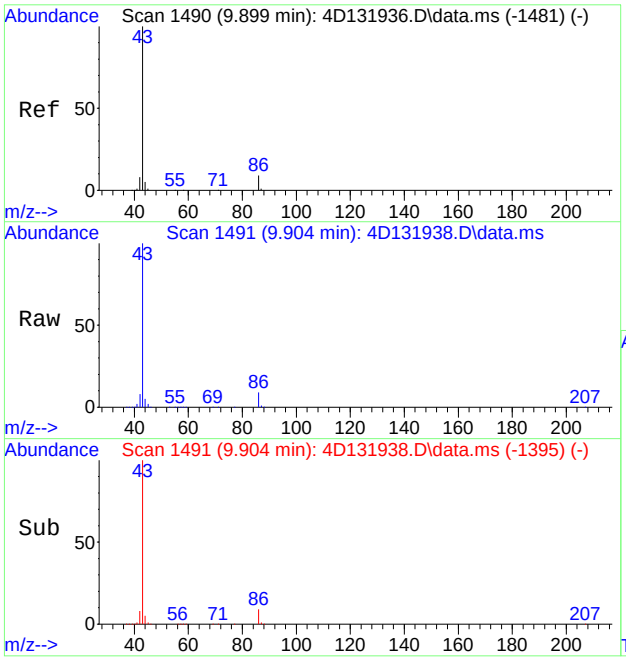


#31
hexane
Concen: 175.03 ug/L
RT: 9.721 min Scan# 1456
Delta R.T. -0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 56 Resp: 545859

Ion	Ratio	Lower	Upper
56	100		
43	117.8	98.5	138.5
71	9.8	0.0	30.3
86	27.6	7.7	47.7

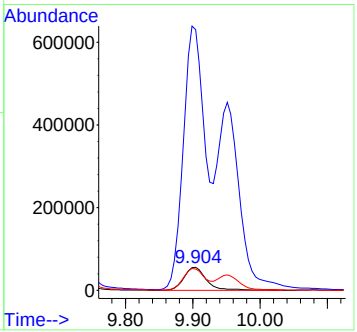


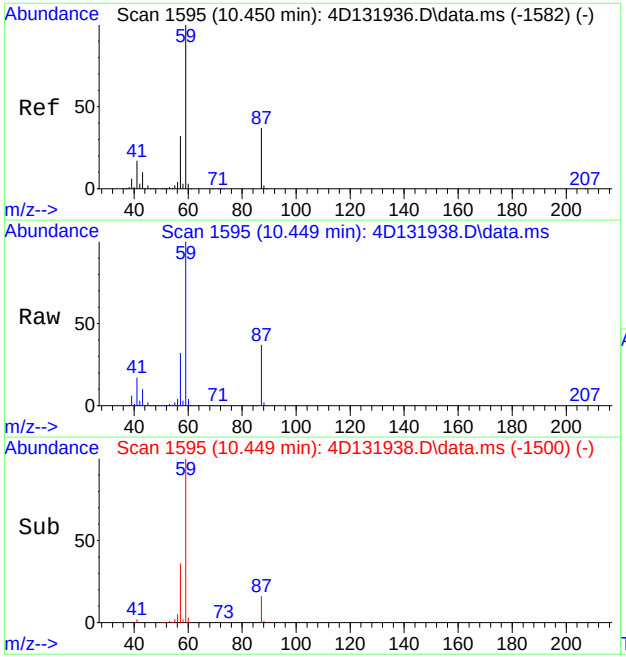


#32
vinyl acetate
Concen: 171.09 ug/L
RT: 9.904 min Scan# 1491
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 86 Resp: 130878

Ion	Ratio	Lower	Upper
86	100		
43	1133.5	1142.7	1202.7#
42	91.8	69.4	129.4

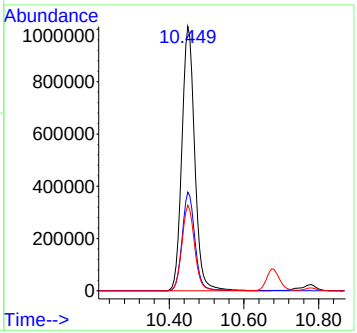


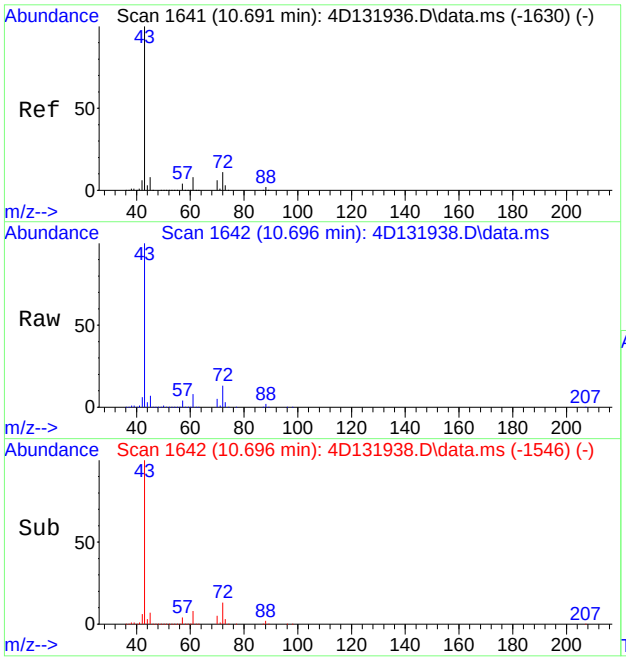


#33
ethyl tert-butyl ether
Concen: 187.80 ug/L
RT: 10.449 min Scan# 1595
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 59 Resp: 2416099

Ion	Ratio	Lower	Upper
59	100		
87	37.3	6.6	66.6
57	32.4	2.2	62.2

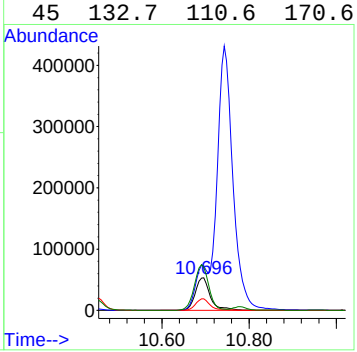


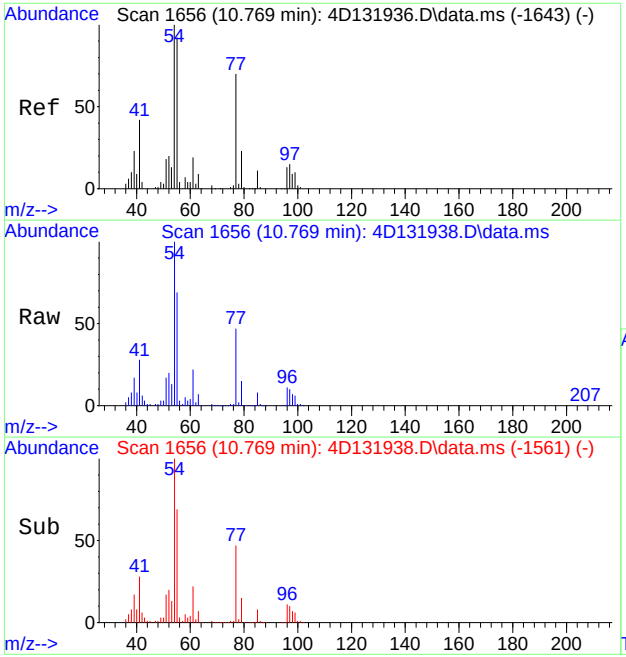


#34
ethyl acetate
Concen: 170.25 ug/L
RT: 10.696 min Scan# 1642
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 70 Resp: 128551

Ion	Ratio	Lower	Upper
70	100		
61	137.1	108.4	168.4
88	35.4	5.9	65.9
45	132.7	110.6	170.6

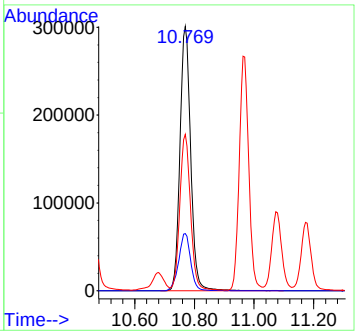


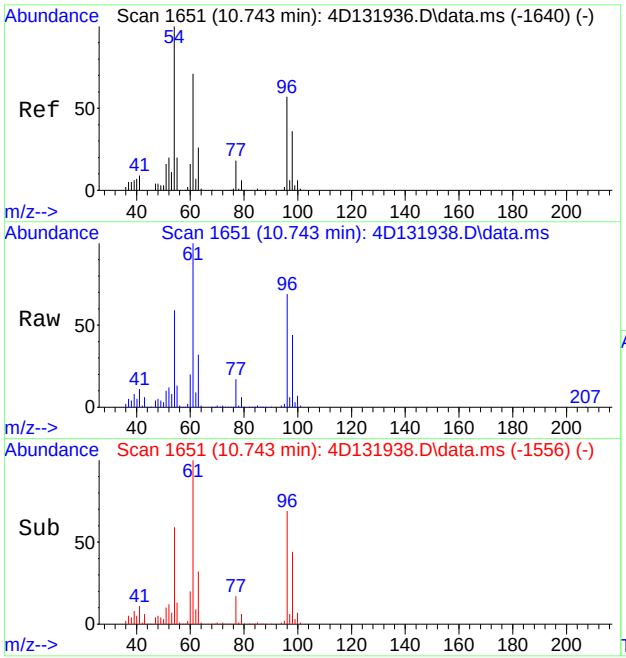


#35
2,2-dichloropropane
Concen: 136.78 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 77 Resp: 751637

Ion	Ratio	Lower	Upper
77	100		
97	21.6	0.0	51.9
41	53.0	29.6	89.6

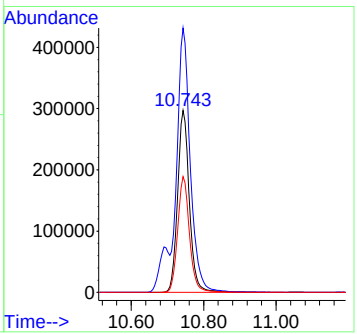


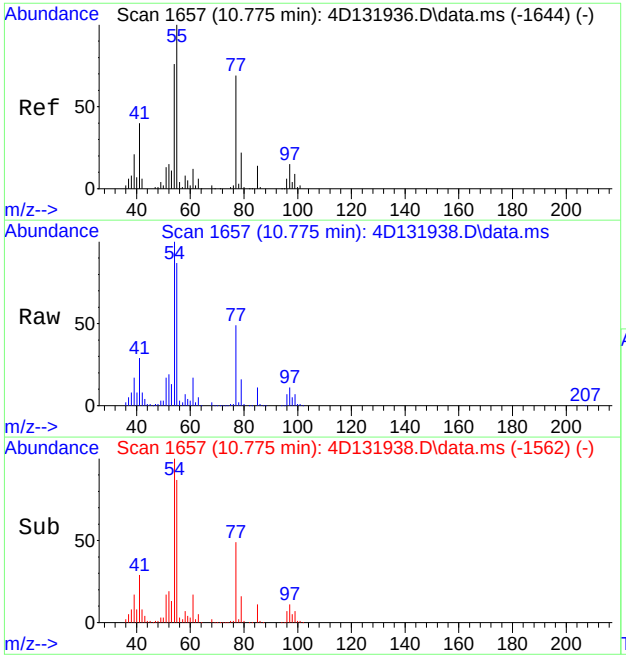


#36
cis-1,2-dichloroethene
Concen: 173.81 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 96 Resp: 671013

Ion	Ratio	Lower	Upper
96	100		
61	145.3	119.6	179.6
98	63.7	34.3	94.3

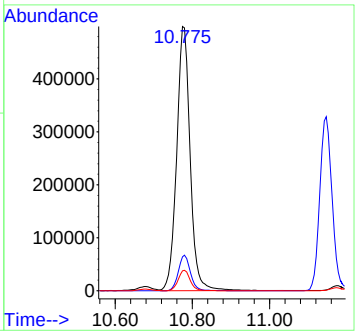


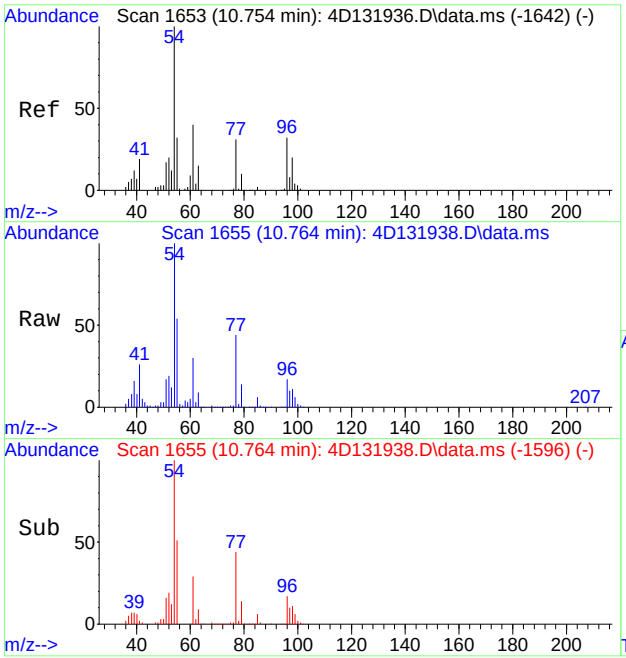


#37
methyl acrylate
Concen: 174.69 ug/L
RT: 10.775 min Scan# 1657
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 55 Resp: 1208638

Ion	Ratio	Lower	Upper
55	100		
85	12.9	0.0	43.7
58	7.6	0.0	38.0

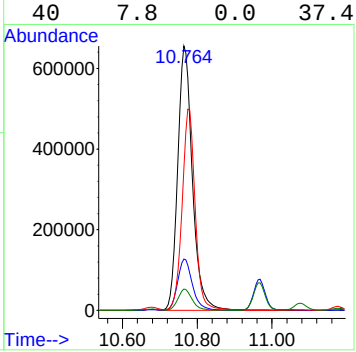


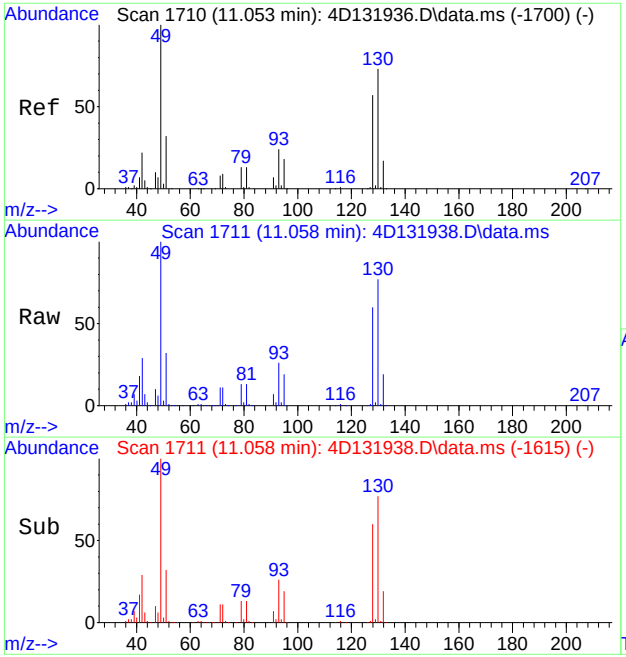


#38
propionitrile
Concen: 1769.02 ug/L
RT: 10.764 min Scan# 1655
Delta R.T. 0.010 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 54 Resp: 1783863

Ion	Ratio	Lower	Upper
54	100		
52	19.3	0.0	49.8
55	53.7	2.6	62.6
40	7.8	0.0	37.4

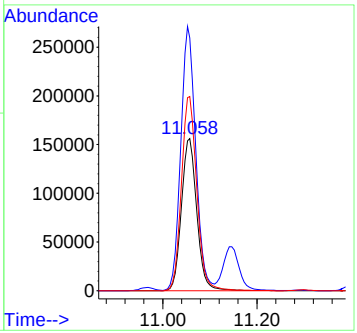


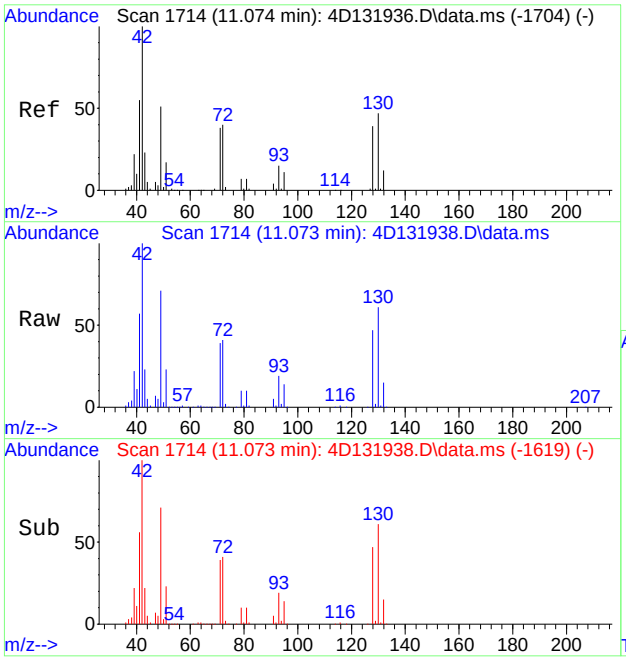


#39
bromochloromethane
Concen: 184.58 ug/L
RT: 11.058 min Scan# 1711
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:128 Resp: 354567

Ion	Ratio	Lower	Upper
128	100		
49	165.8	145.9	205.9
130	127.6	97.8	157.8

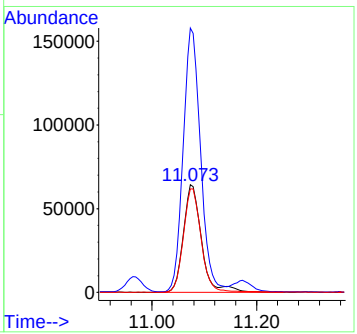


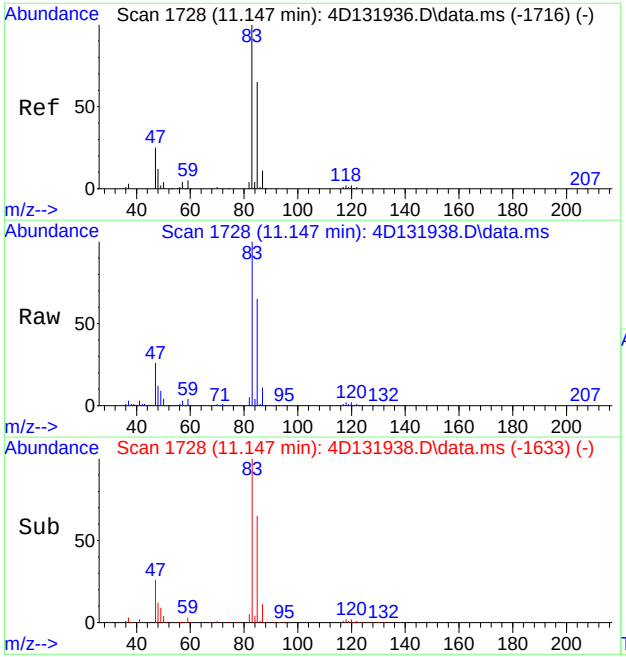


#40
tetrahydrofuran
Concen: 192.77 ug/L
RT: 11.073 min Scan# 1714
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 72 Resp: 155945

Ion	Ratio	Lower	Upper
72	100		
42	245.2	219.9	279.9
71	96.2	66.1	126.1

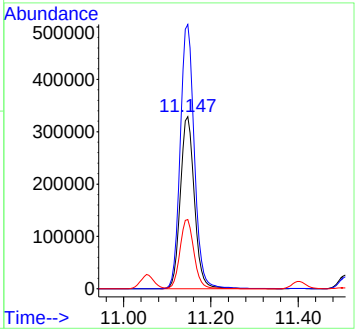


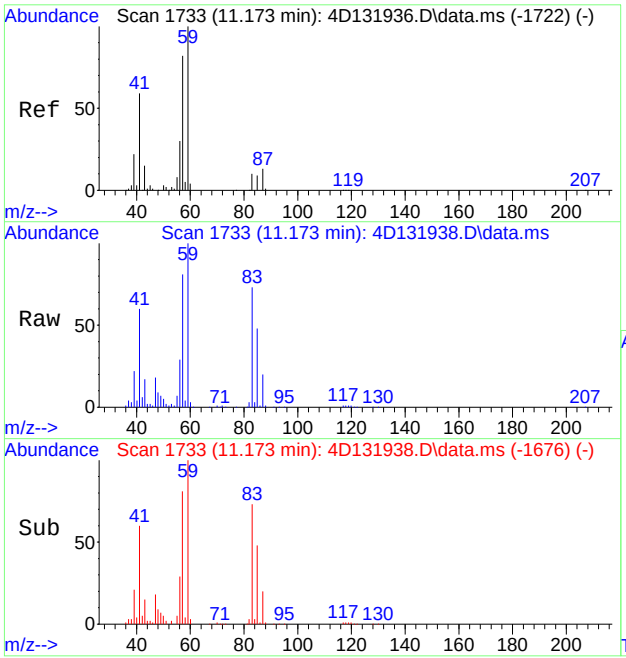


#41
chloroform
Concen: 147.42 ug/L
RT: 11.147 min Scan# 1728
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 85 Resp: 737055

Ion	Ratio	Lower	Upper
85	100		
83	153.5	123.5	183.5
47	40.0	9.8	69.8

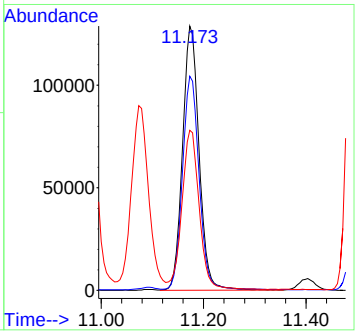


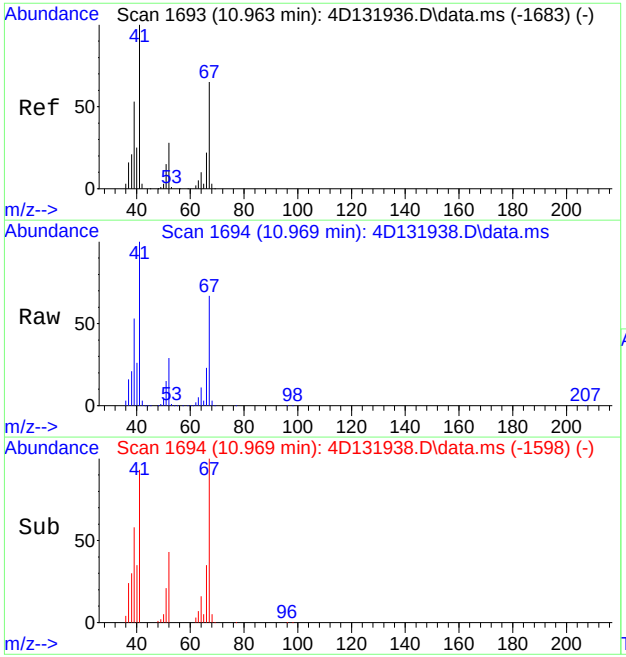


#42
t-butyl formate
Concen: 171.37 ug/L
RT: 11.173 min Scan# 1733
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 59 Resp: 289152

Ion	Ratio	Lower	Upper
59	100		
57	80.8	51.8	111.8
41	60.1	32.4	92.4

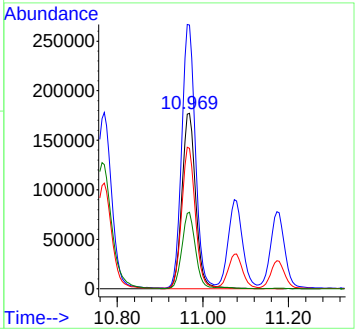


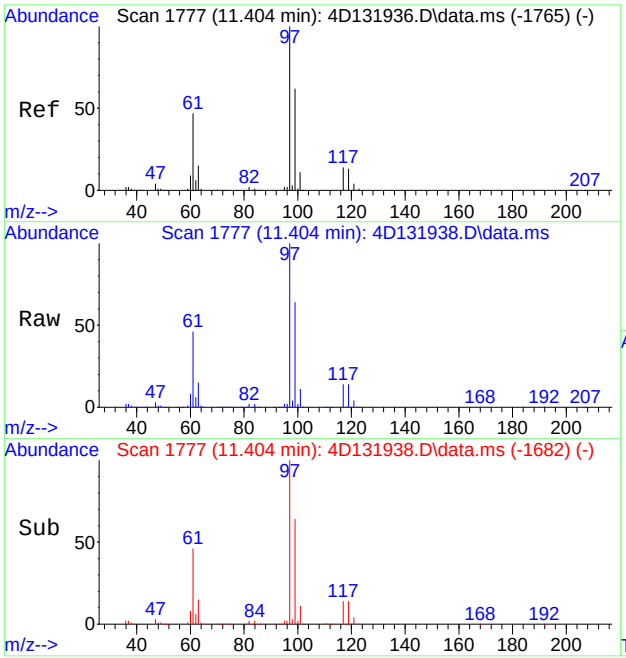


#44
methacrylonitrile
Concen: 183.68 ug/L
RT: 10.969 min Scan# 1694
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 67 Resp: 397935

Ion	Ratio	Lower	Upper
67	100		
41	149.8	123.0	183.0
39	79.8	50.9	110.9
52	43.4	12.9	72.9

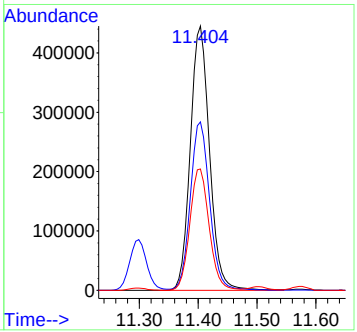


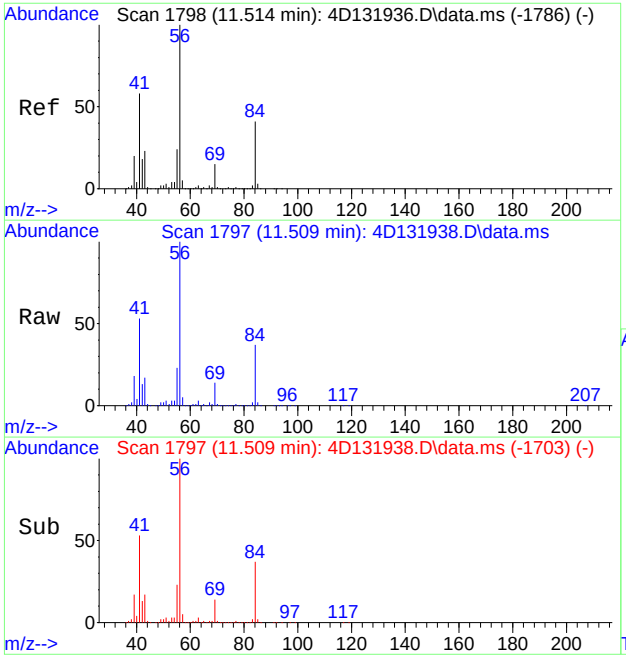


#45
1,1,1-trichloroethane
Concen: 192.09 ug/L
RT: 11.404 min Scan# 1777
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 97 Resp: 1012144

Ion	Ratio	Lower	Upper
97	100		
99	63.6	34.4	94.4
61	45.8	16.6	76.6

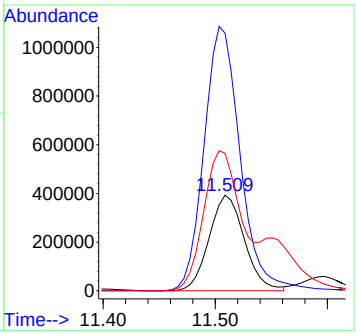


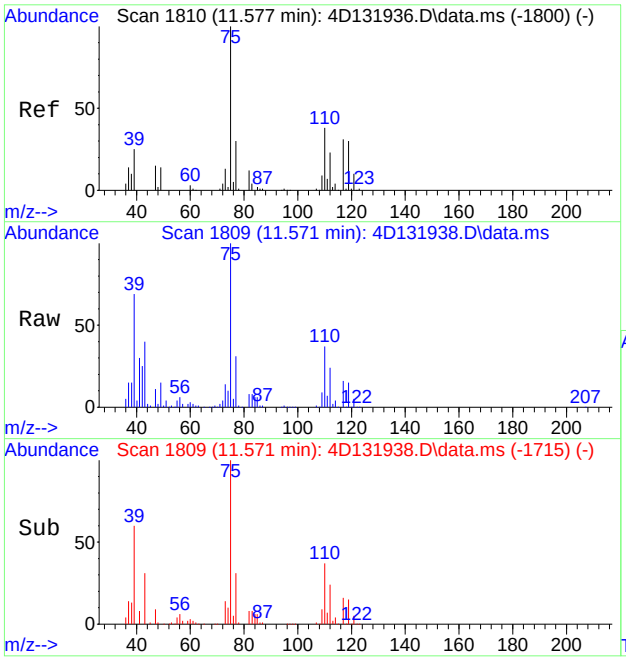


#46
cyclohexane
Concen: 180.22 ug/L
RT: 11.509 min Scan# 1797
Delta R.T. -0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 84 Resp: 861379

Ion	Ratio	Lower	Upper
84	100		
56	269.3	225.3	265.3#
41	143.6	121.5	161.5

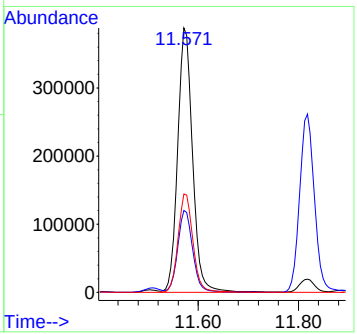


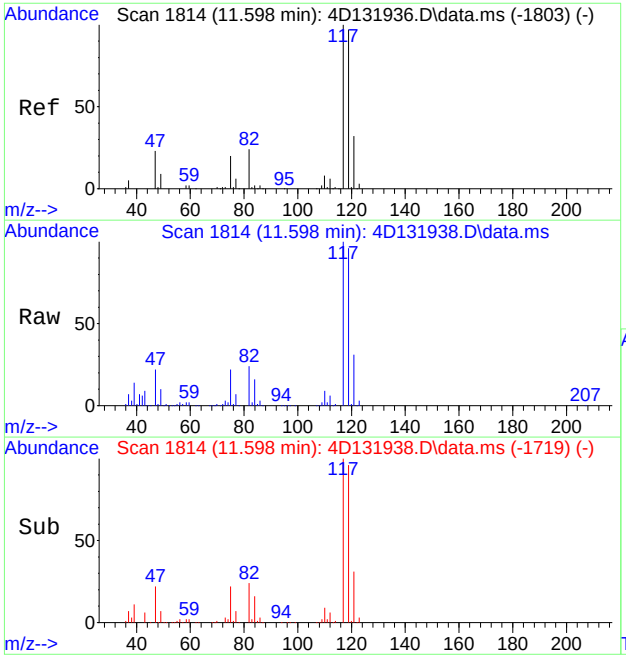


#47
1,1-dichloropropene
Concen: 179.99 ug/L
RT: 11.571 min Scan# 1809
Delta R.T. -0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 75 Resp: 802581

Ion	Ratio	Lower	Upper
75	100		
77	30.9	11.0	51.0
110	37.2	17.6	57.6

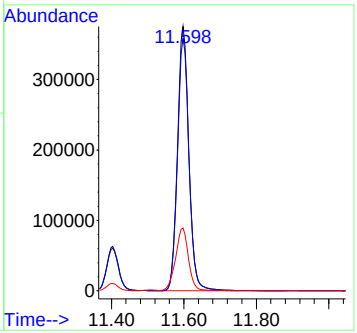


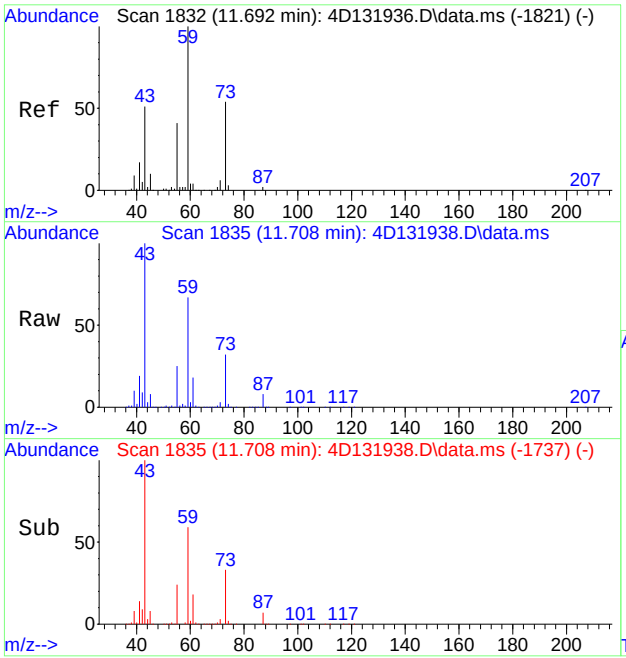


#49
carbon tetrachloride
Concen: 180.53 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:117 Resp: 823396

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.2	117.2
82	23.7	4.2	44.2

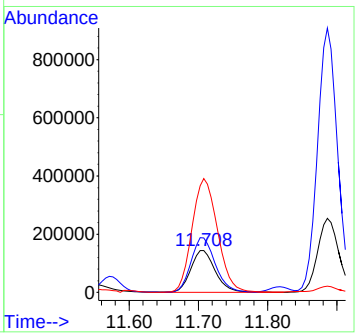


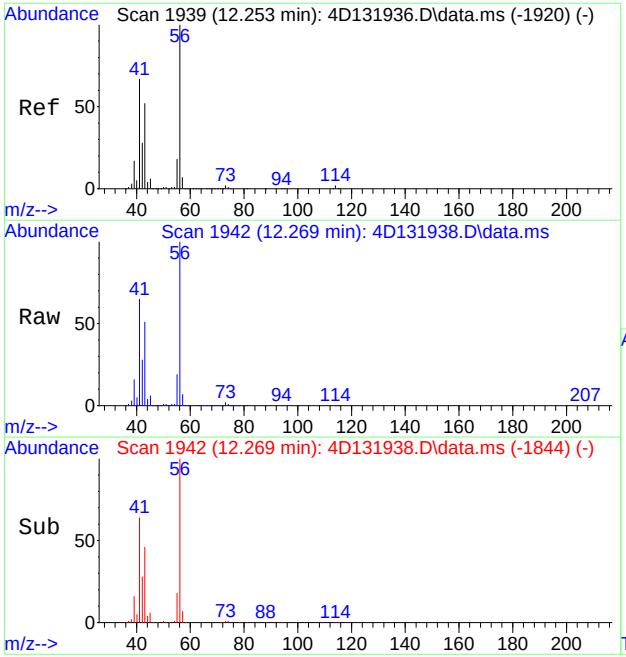


#50
tert amyl alcohol
Concen: 904.42 ug/L
RT: 11.708 min Scan# 1835
Delta R.T. 0.016 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 55 Resp: 351297

Ion	Ratio	Lower	Upper
55	100		
73	130.0	100.3	160.3
59	273.2	213.3	273.3

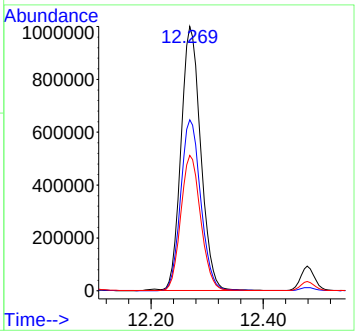


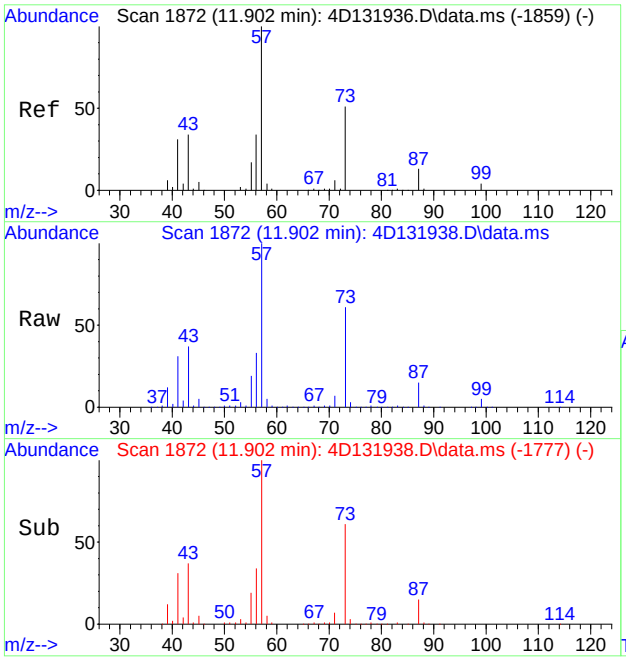


#53
n-butyl alcohol
Concen: 8230.95 ug/L
RT: 12.269 min Scan# 1942
Delta R.T. 0.016 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 56 Resp: 2432245

Ion	Ratio	Lower	Upper
56	100		
41	64.7	36.6	96.6
43	51.2	22.4	82.4

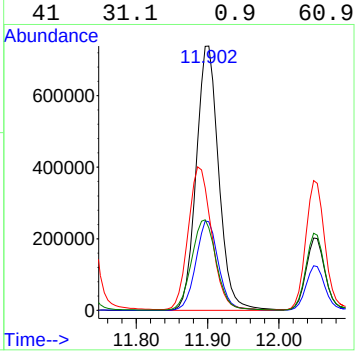


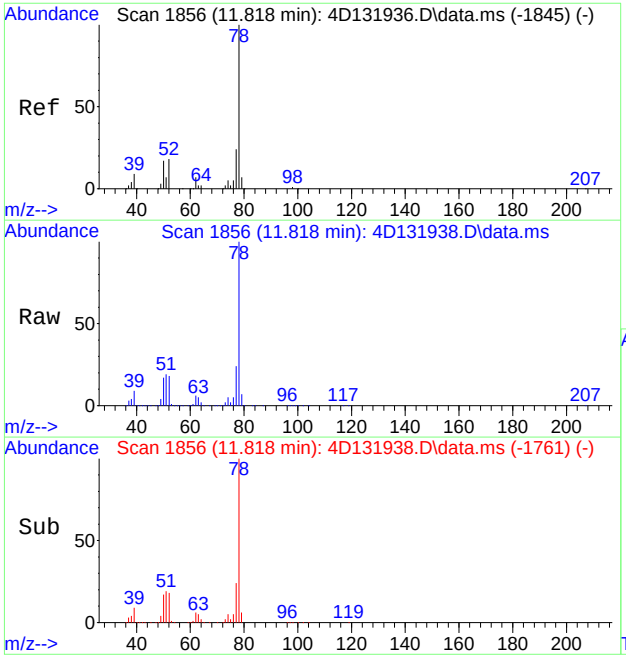


#54
2,2,4-trimethylpentane
Concen: 161.84 ug/L
RT: 11.902 min Scan# 1872
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 57 Resp: 1621367

Ion	Ratio	Lower	Upper
57	100		
56	33.5	3.6	63.6
43	36.4	4.6	64.6
41	31.1	0.9	60.9

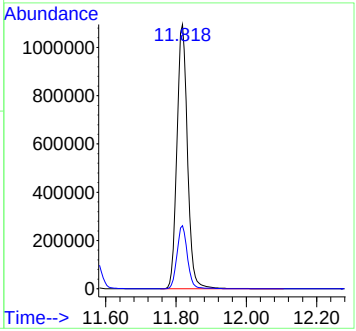


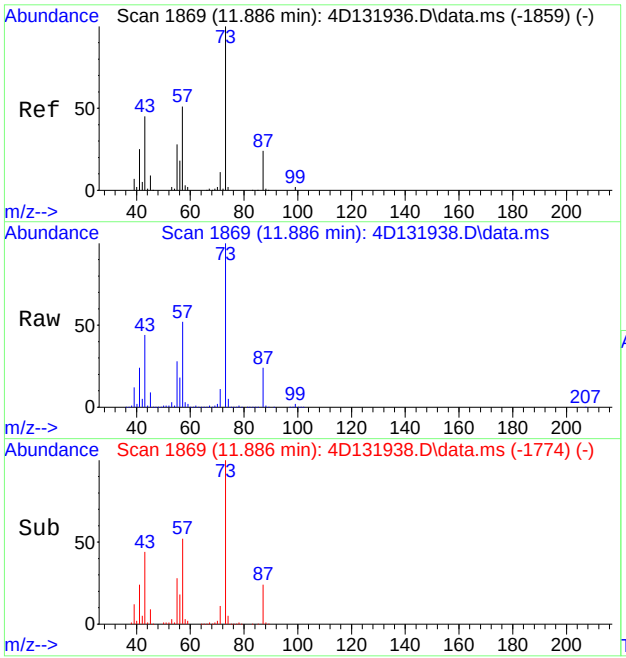


#55
benzene
Concen: 175.50 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 78 Resp: 2287691

Ion	Ratio	Lower	Upper
78	100		
77	23.8	0.0	53.7

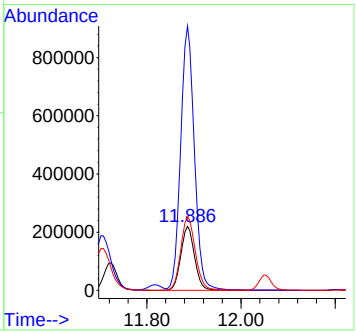


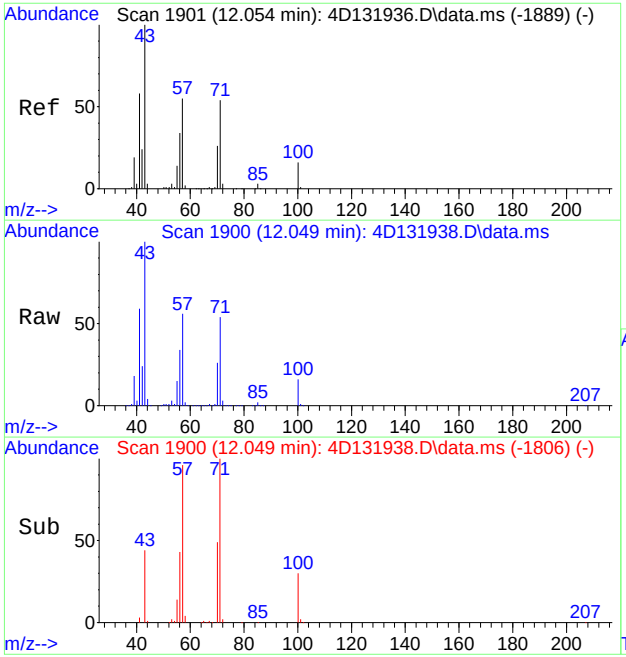


#56
tert-amyl methyl ether
Concen: 179.96 ug/L
RT: 11.886 min Scan# 1869
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 87 Resp: 447309

Ion	Ratio	Lower	Upper
87	100		
73	413.8	382.6	442.6
55	115.9	85.4	145.4

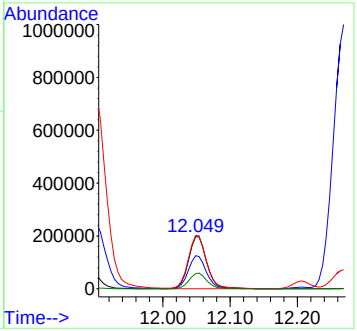


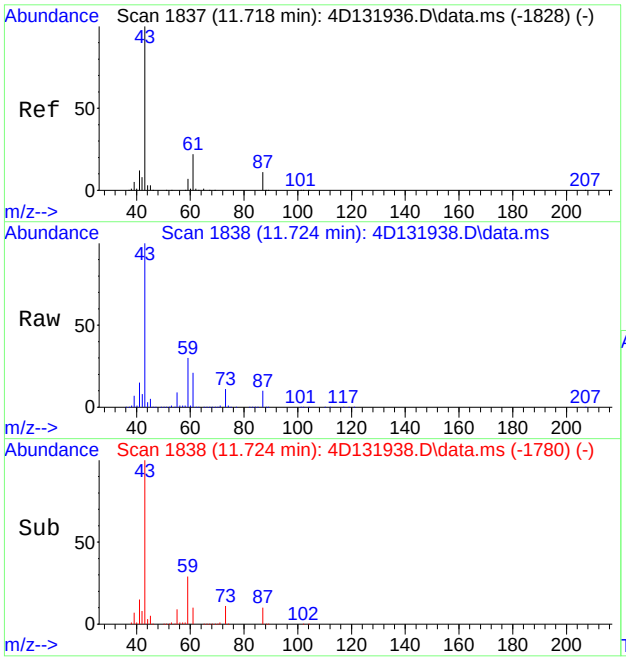


#57
heptane
Concen: 171.70 ug/L
RT: 12.049 min Scan# 1900
Delta R.T. -0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 71 Resp: 372541

Ion	Ratio	Lower	Upper
71	100		
56	62.9	33.0	93.0
57	101.2	72.2	132.2
100	29.3	0.3	60.3

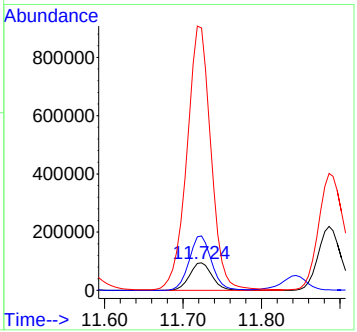


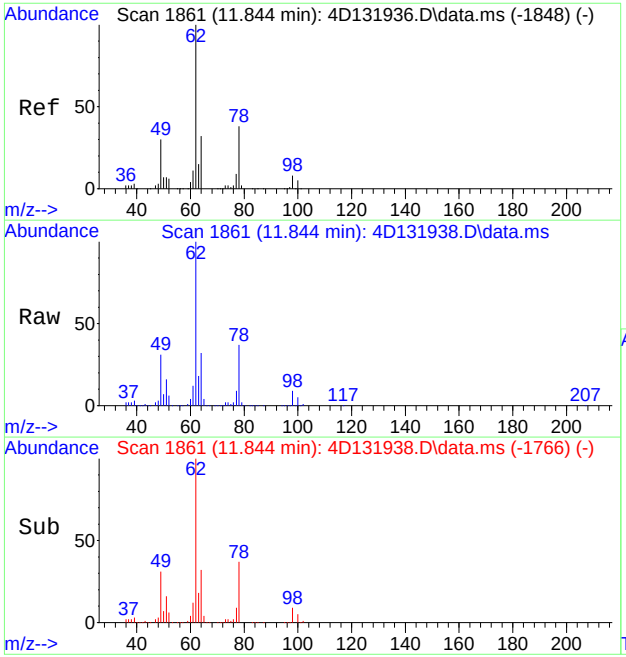


#58
isopropyl acetate
Concen: 190.95 ug/L
RT: 11.724 min Scan# 1838
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 87 Resp: 188045

Ion	Ratio	Lower	Upper
87	100		
61	198.4	170.1	230.1
43	953.2	919.0	979.0

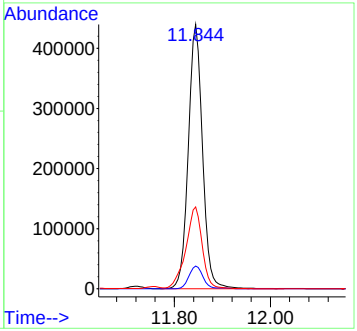


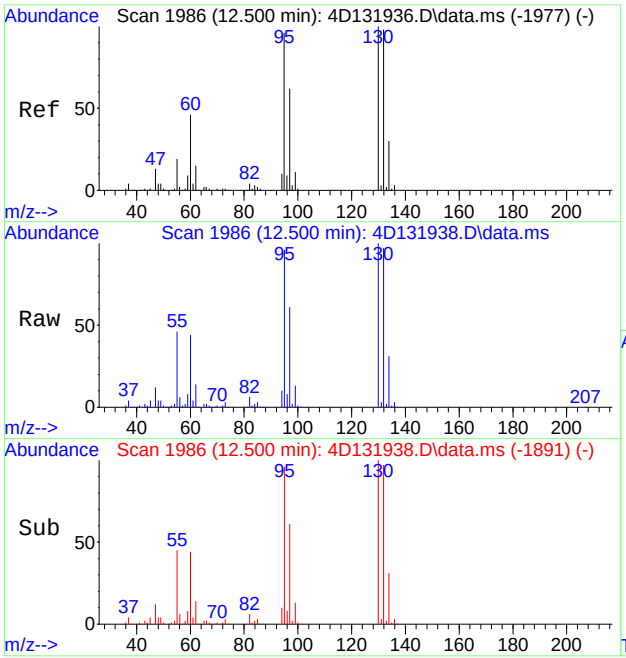


#59
1,2-dichloroethane
Concen: 166.35 ug/L
RT: 11.844 min Scan# 1861
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 62 Resp: 905337

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	38.5
49	31.0	1.1	61.1

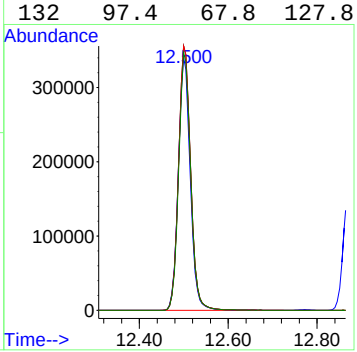


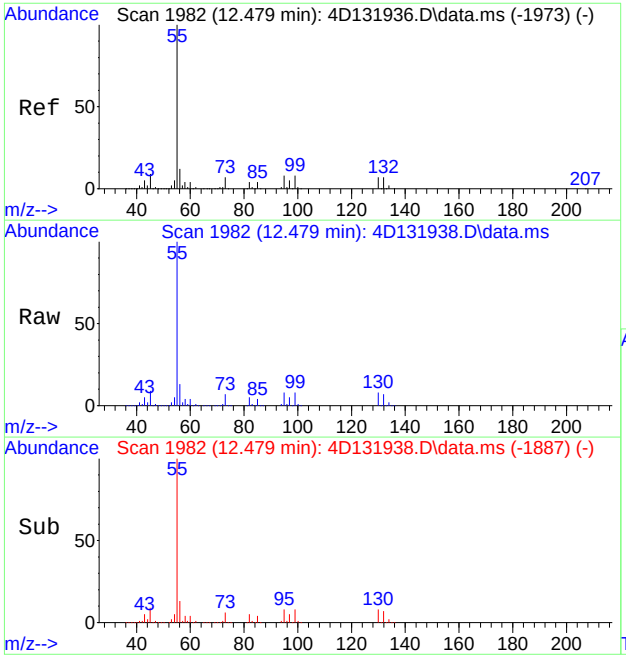


#60
trichloroethene
Concen: 188.87 ug/L
RT: 12.500 min Scan# 1986
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:130 Resp: 676605

Ion	Ratio	Lower	Upper
130	100		
95	95.6	65.8	125.8
130	100.0	70.0	130.0
132	97.4	67.8	127.8

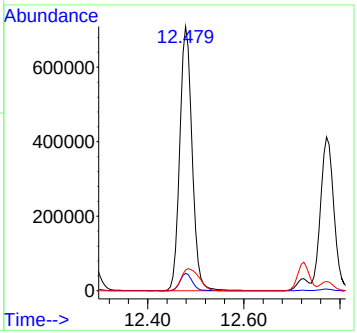


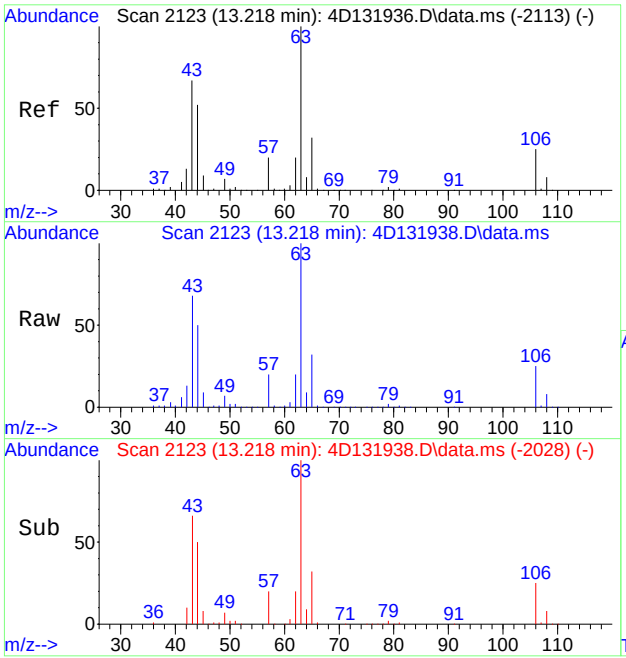


#61
ethyl acrylate
Concen: 182.23 ug/L
RT: 12.479 min Scan# 1982
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 55 Resp: 1260145

Ion	Ratio	Lower	Upper
55	100		
73	6.6	0.0	26.5
99	7.9	0.0	27.5

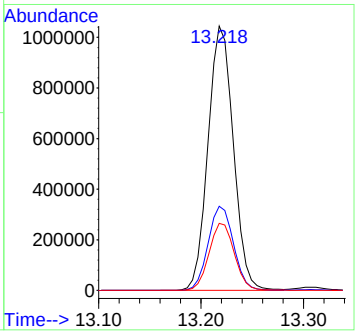


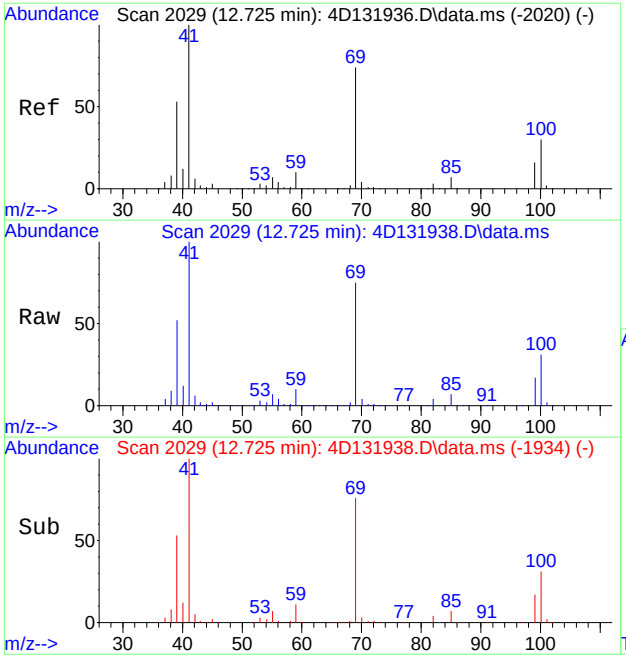


#63
2-chloroethyl vinyl ether
Concen: 895.57 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 63 Resp: 1794278

Ion	Ratio	Lower	Upper
63	100		
65	31.9	1.7	61.7
106	25.4	0.0	55.3

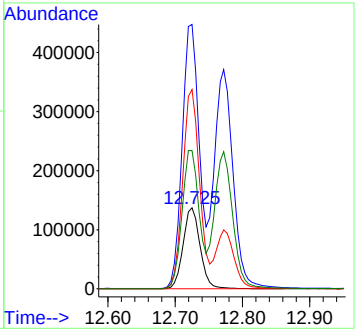


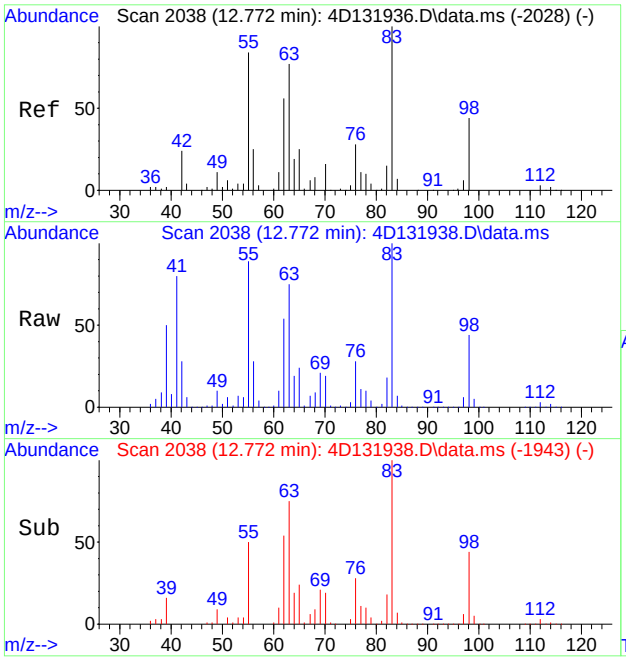


#64
methyl methacrylate
Concen: 195.47 ug/L
RT: 12.725 min Scan# 2029
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:100 Resp: 240802

Ion	Ratio	Lower	Upper
100	100		
41	325.8	304.3	364.3
69	245.9	217.8	277.8
39	170.4	148.5	208.5

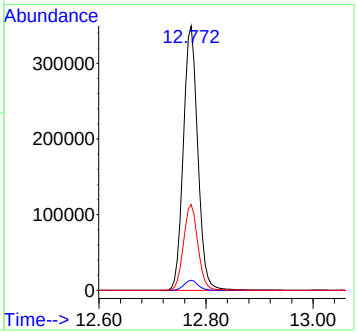


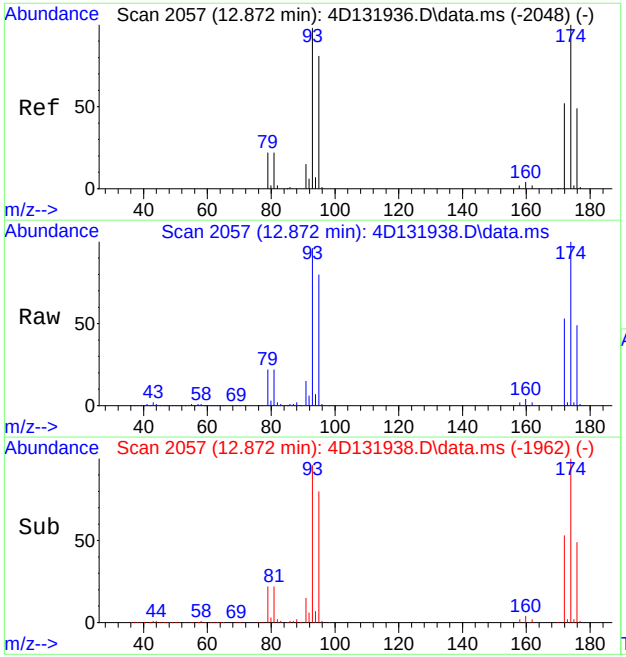


#65
1,2-dichloropropane
Concen: 176.12 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 63 Resp: 657113

Ion	Ratio	Lower	Upper
63	100		
112	3.8	0.0	33.7
65	32.5	1.9	61.9

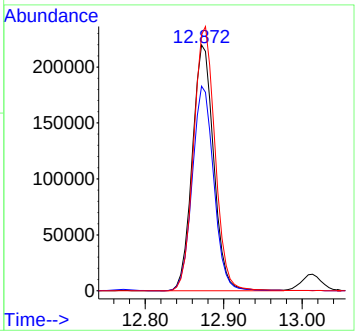


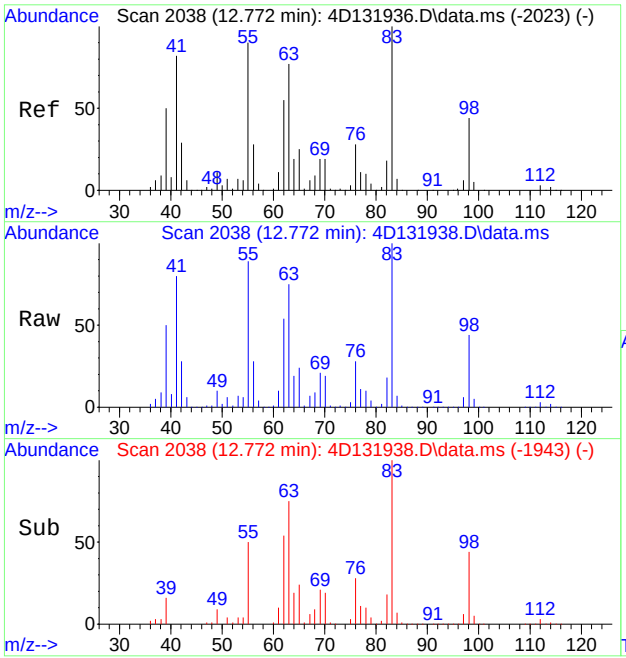


#66
dibromomethane
Concen: 177.40 ug/L
RT: 12.872 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 93 Resp: 416601

Ion	Ratio	Lower	Upper
93	100		
95	83.3	52.6	112.6
174	104.1	72.4	132.4

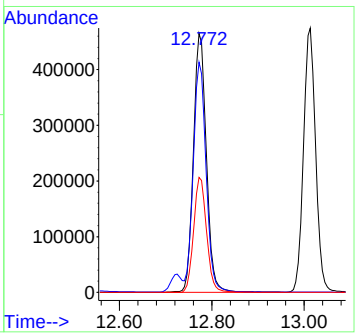


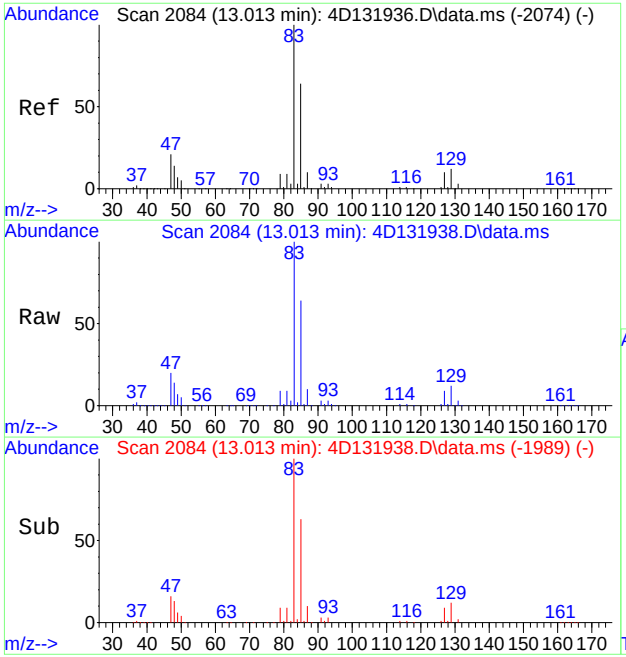


#67
methylcyclohexane
Concen: 175.85 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 83 Resp: 904746

Ion	Ratio	Lower	Upper
83	100		
55	88.7	60.5	120.5
98	44.4	14.1	74.1

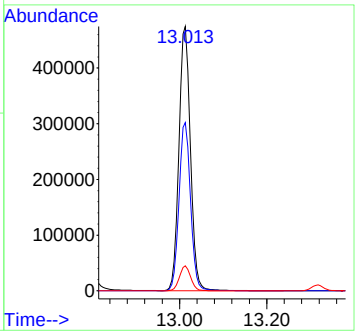


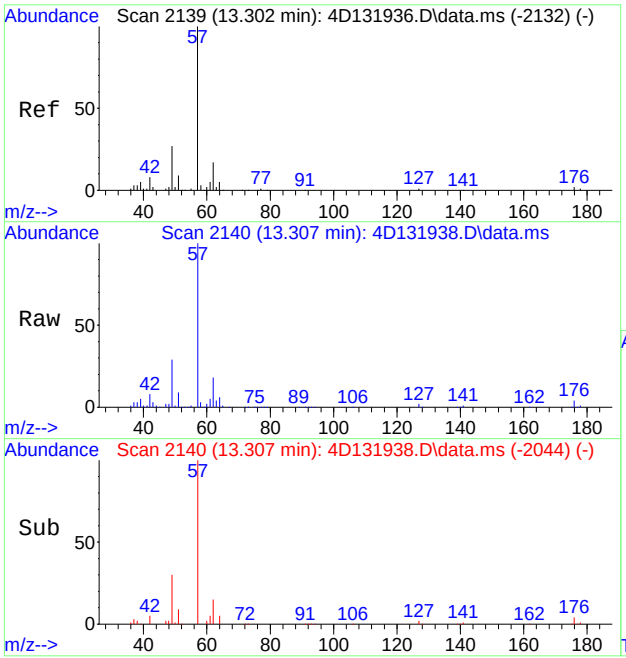


#68
bromodichloromethane
Concen: 181.41 ug/L
RT: 13.013 min Scan# 2084
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 83 Resp: 868787

Ion	Ratio	Lower	Upper
83	100		
85	63.6	34.4	94.4
127	9.4	0.0	39.7

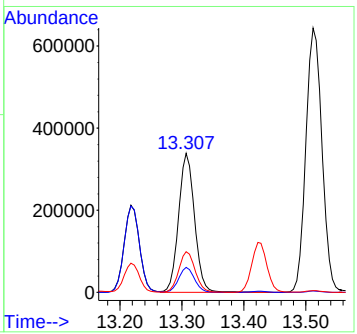


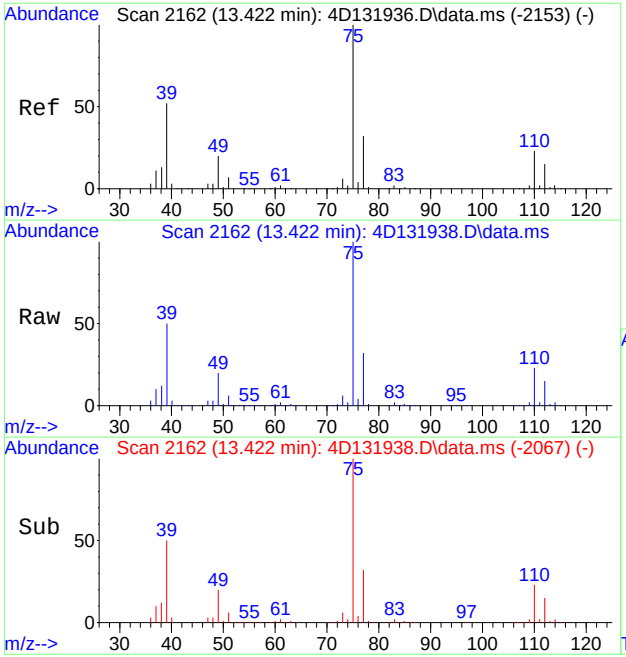


#69
epichlorohydrin
Concen: 846.32 ug/L
RT: 13.307 min Scan# 2140
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 57 Resp: 604669

Ion	Ratio	Lower	Upper
57	100		
62	18.0	0.0	37.4
49	29.2	6.8	46.8

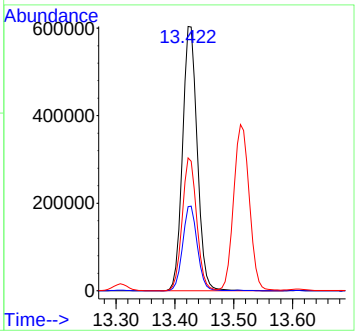


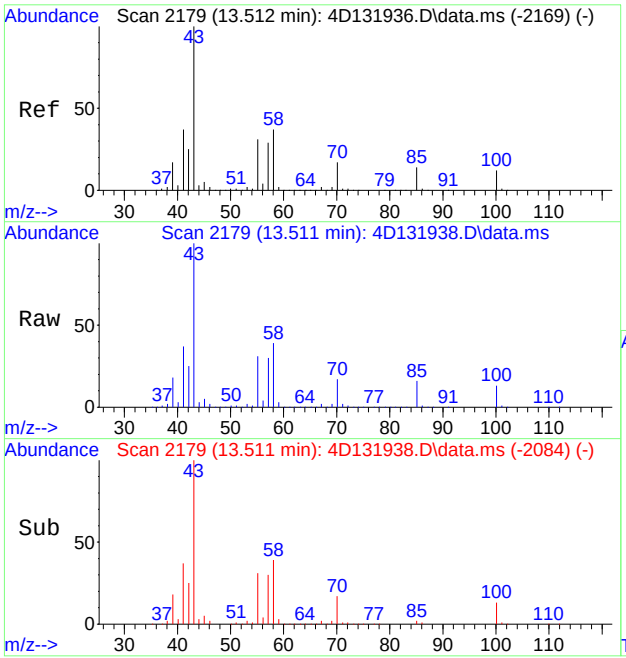


#70
cis-1,3-dichloropropene
Concen: 184.98 ug/L
RT: 13.422 min Scan# 2162
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 75 Resp: 1050912

Ion	Ratio	Lower	Upper
75	100		
77	31.8	1.9	61.9
39	50.2	22.1	82.1

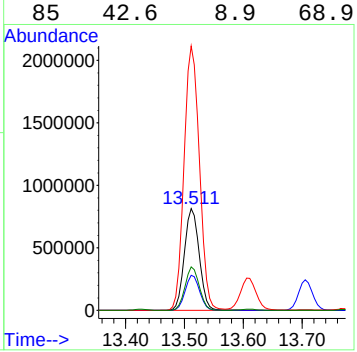


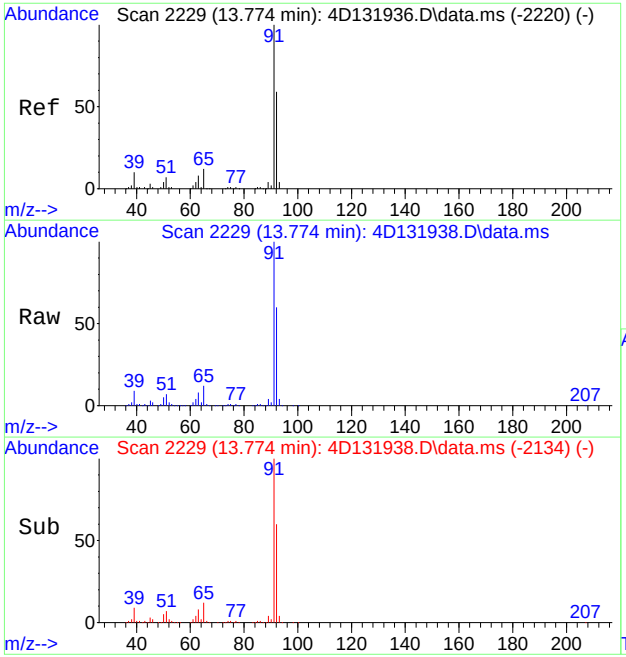


#71
4-methyl-2-pentanone
Concen: 630.26 ug/L
RT: 13.511 min Scan# 2179
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 58 Resp: 1430028

Ion	Ratio	Lower	Upper
58	100		
100	34.3	2.6	62.6
43	259.4	244.0	304.0
85	42.6	8.9	68.9

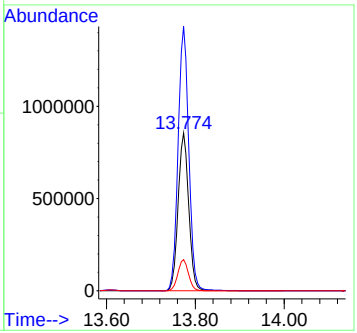


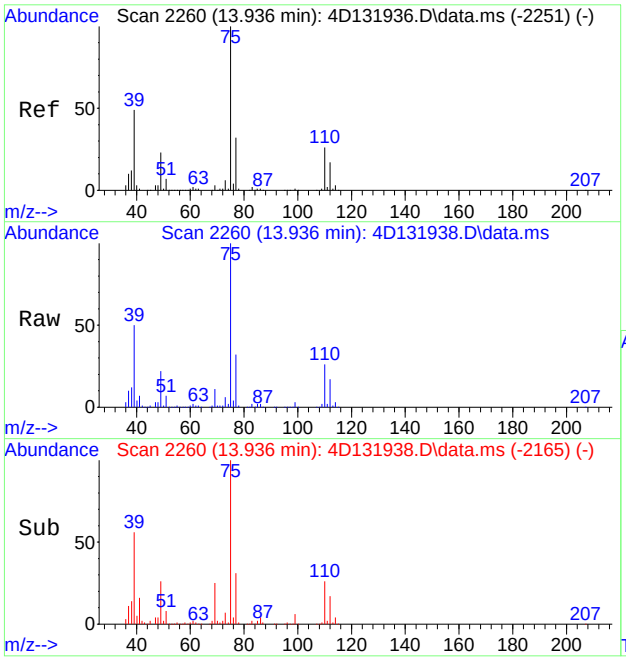


#75
toluene
Concen: 181.74 ug/L
RT: 13.774 min Scan# 2229
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 92 Resp: 1420146

Ion	Ratio	Lower	Upper
92	100		
91	167.5	150.1	190.1
65	19.8	0.0	39.8

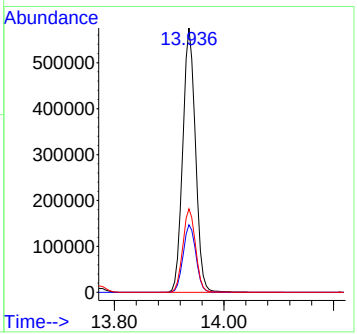


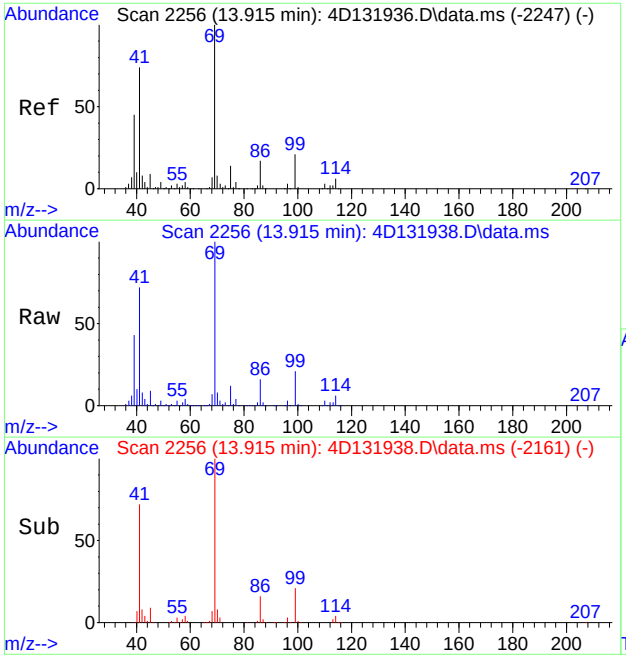


#76
trans-1,3-dichloropropene
Concen: 180.14 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 75 Resp: 928919

Ion	Ratio	Lower	Upper
75	100		
110	25.6	5.6	45.6
77	31.6	12.5	52.5

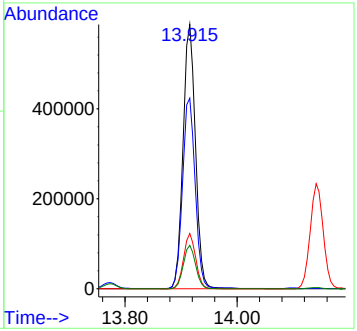


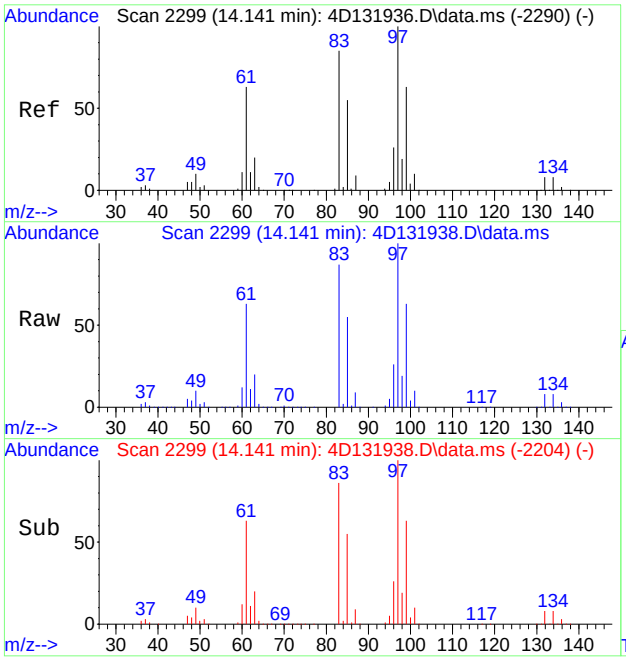


#77
ethyl methacrylate
Concen: 177.58 ug/L
RT: 13.915 min Scan# 2256
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 69 Resp: 904198

Ion	Ratio	Lower	Upper
69	100		
41	72.0	53.7	93.7
99	20.9	0.5	40.5
86	16.5	0.0	36.5

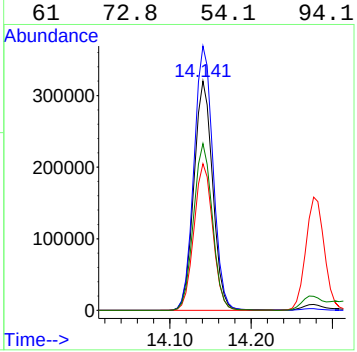


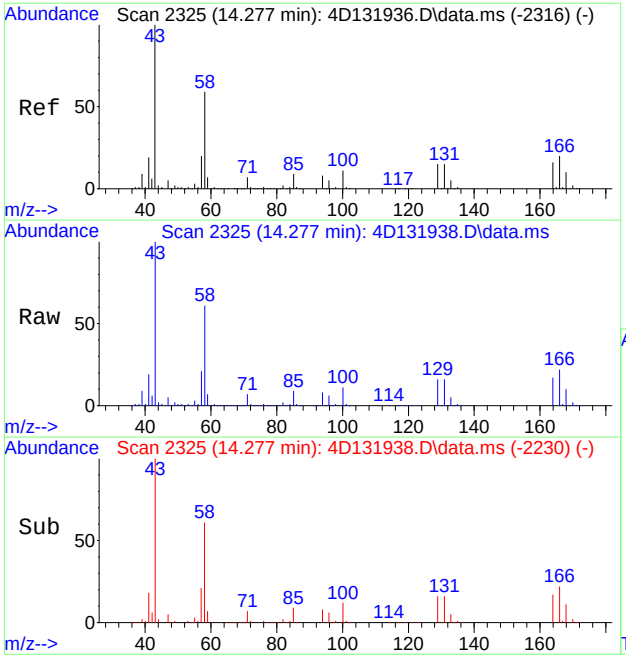


#78
1,1,2-trichloroethane
Concen: 185.40 ug/L
RT: 14.141 min Scan# 2299
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 83 Resp: 515529

Ion	Ratio	Lower	Upper
83	100		
97	115.4	98.0	138.0
85	63.9	44.8	84.8
61	72.8	54.1	94.1

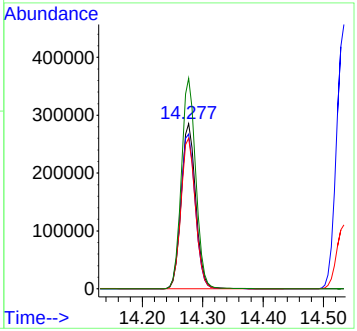


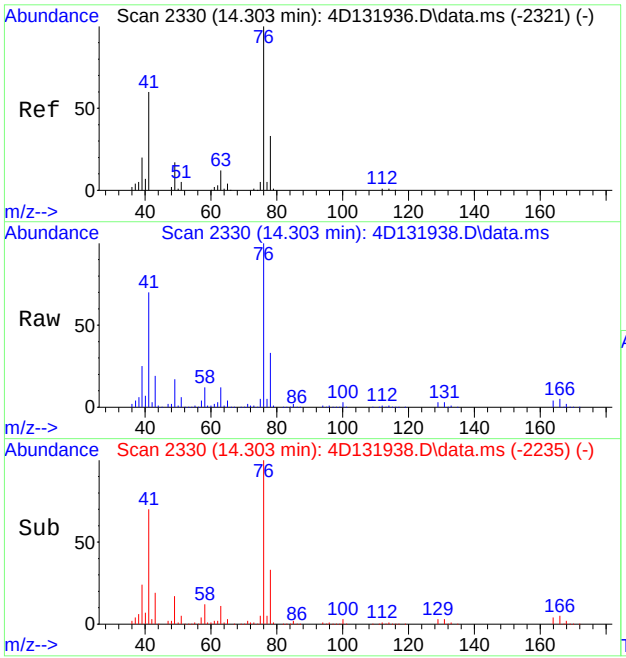


#79
tetrachloroethene
Concen: 174.34 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:164 Resp: 475258

Ion	Ratio	Lower	Upper
164	100		
129	93.8	63.3	123.3
131	91.2	59.8	119.8
166	127.6	95.2	155.2

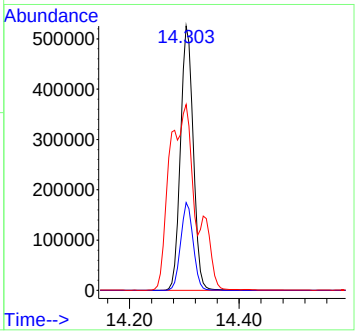


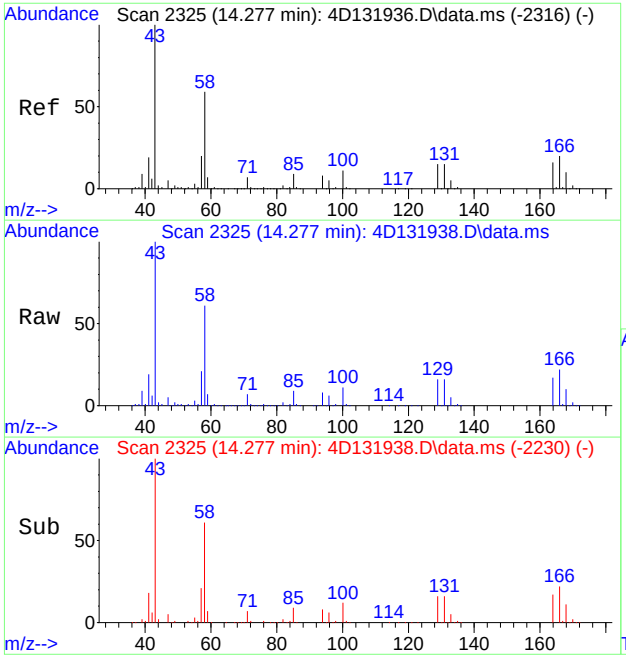


#80
1,3-dichloropropane
Concen: 171.98 ug/L
RT: 14.303 min Scan# 2330
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 76 Resp: 849301

Ion	Ratio	Lower	Upper
76	100		
78	33.2	2.5	62.5
41	70.2	40.0	100.0

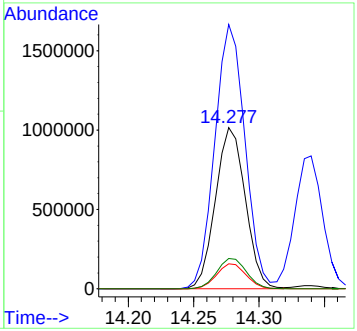


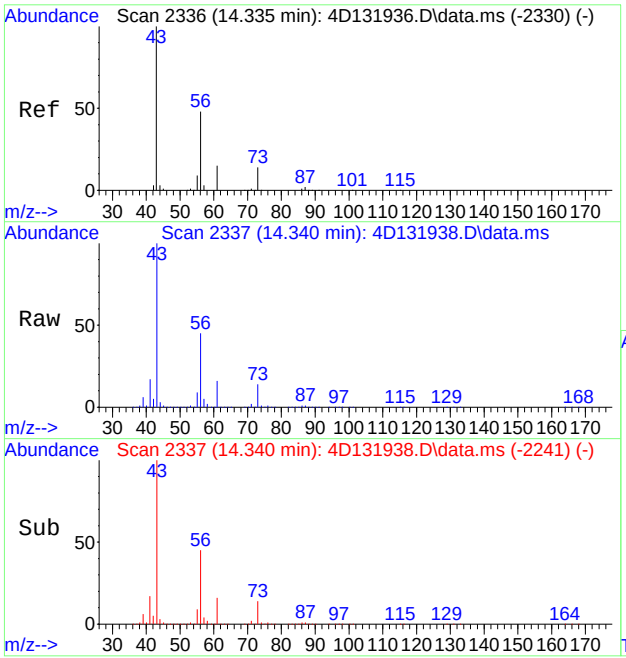


#81
2-hexanone
Concen: 654.89 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 58 Resp: 1617873

Ion	Ratio	Lower	Upper
58	100		
43	164.0	149.1	189.1
85	15.5	0.0	34.7
100	18.9	0.0	38.3

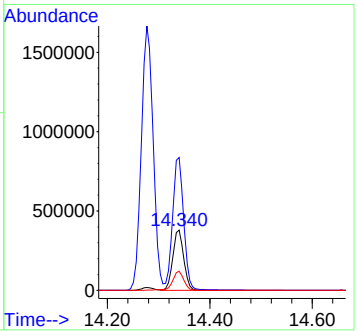


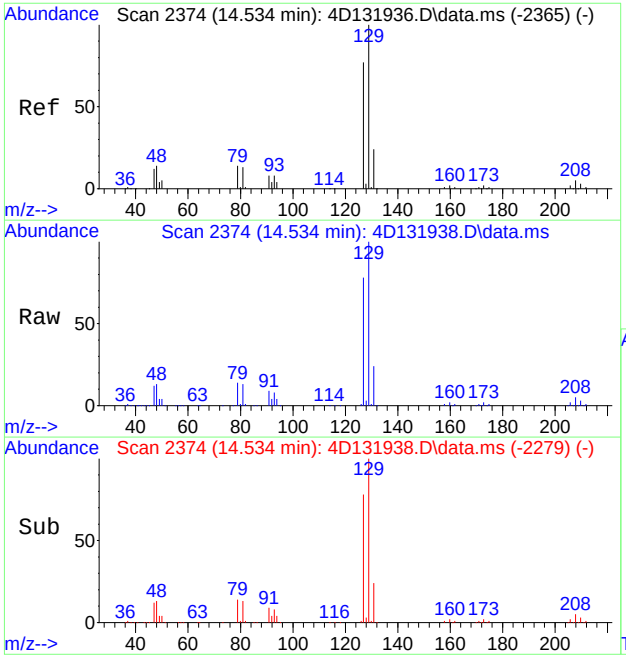


#82
butyl acetate
Concen: 160.29 ug/L
RT: 14.340 min Scan# 2337
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 56 Resp: 564445

Ion	Ratio	Lower	Upper
56	100		
43	220.7	196.2	256.2
73	31.6	0.0	59.9

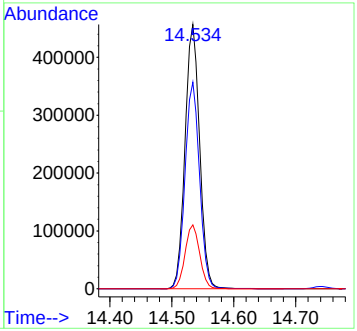


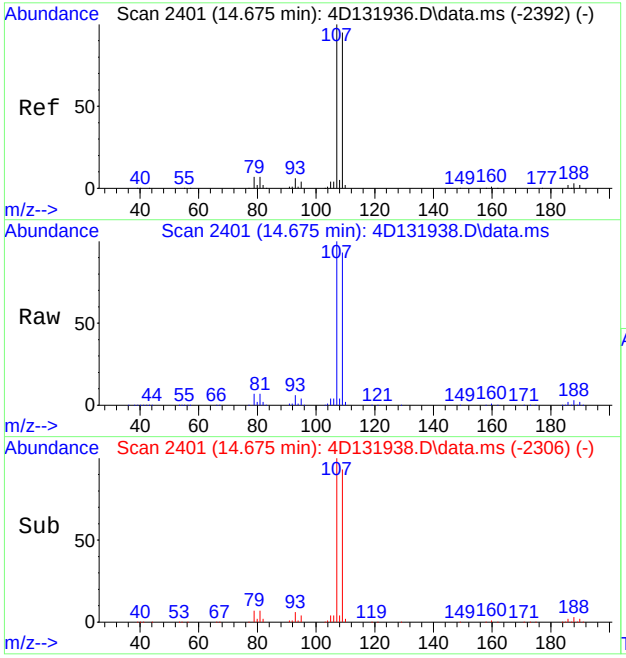


#83
dibromochloromethane
Concen: 193.55 ug/L
RT: 14.534 min Scan# 2374
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:129 Resp: 745725

Ion	Ratio	Lower	Upper
129	100		
127	78.1	47.2	107.2
131	24.2	0.0	54.4

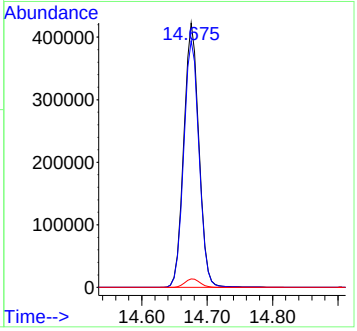


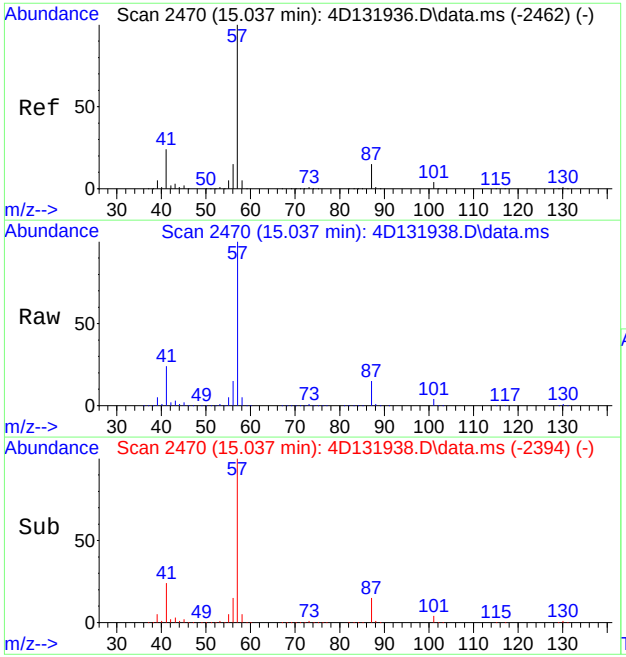


#84
1,2-dibromoethane
Concen: 191.66 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:107 Resp: 677077

Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.1	125.1
188	3.2	0.0	33.2

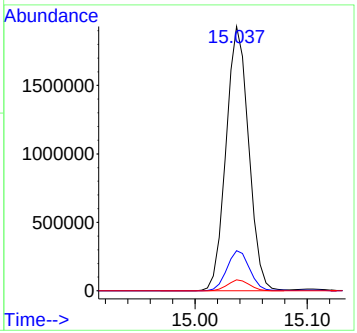


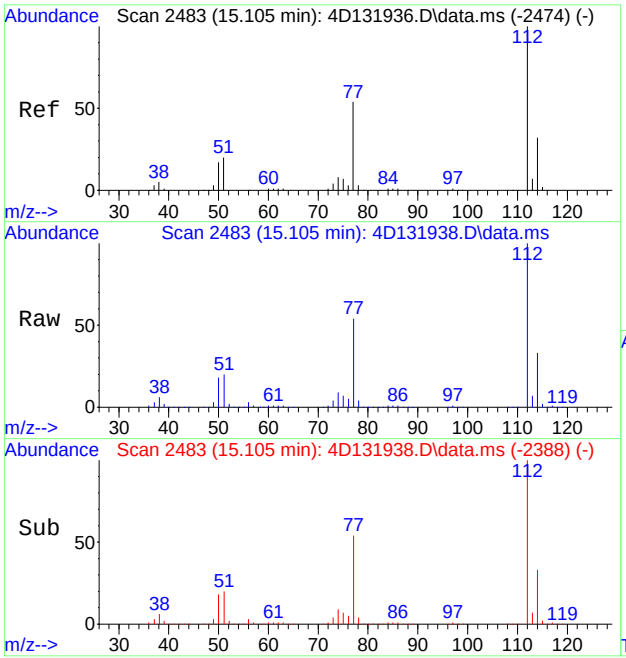


#85
n-butyl ether
Concen: 185.11 ug/L
RT: 15.037 min Scan# 2470
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 57 Resp: 2724897

Ion	Ratio	Lower	Upper
57	100		
87	15.2	0.0	44.7
101	4.1	0.0	33.8

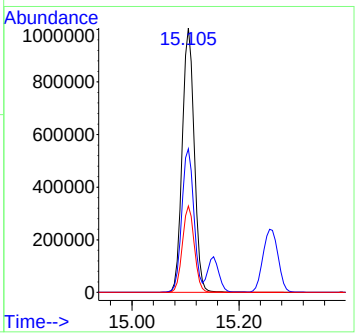


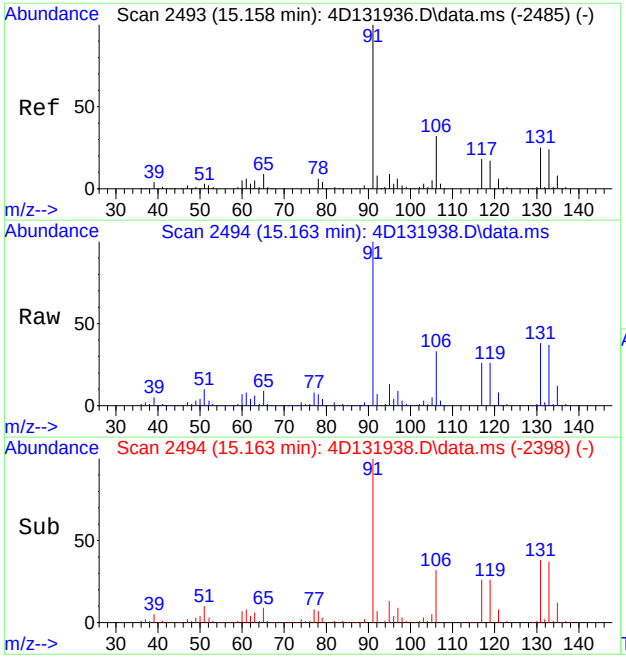


#86
chlorobenzene
Concen: 182.60 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:112 Resp: 1568870

Ion	Ratio	Lower	Upper
112	100		
77	54.2	23.8	83.8
114	32.6	2.2	62.2

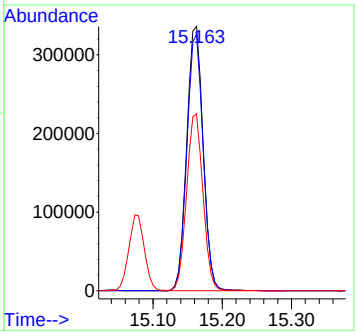


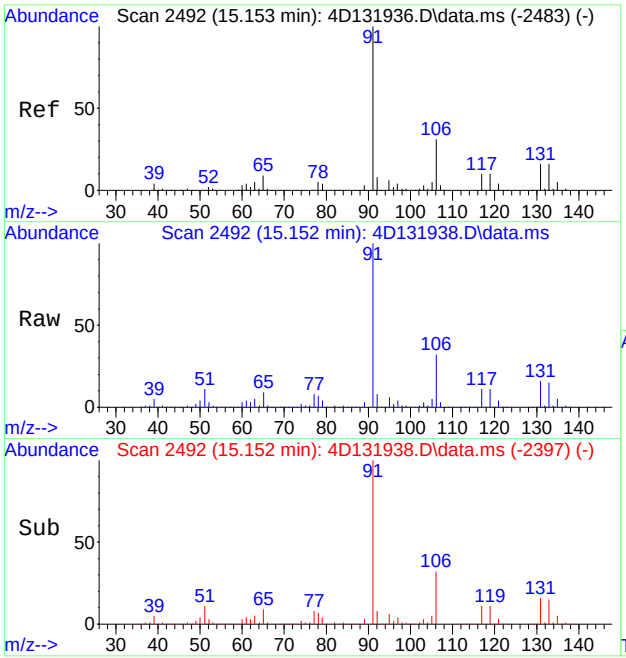


#87
1,1,1,2-tetrachloroethane
Concen: 178.16 ug/L
RT: 15.163 min Scan# 2494
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:131 Resp: 553861

Ion	Ratio	Lower	Upper
131	100		
133	97.1	66.4	126.4
119	66.8	37.8	97.8

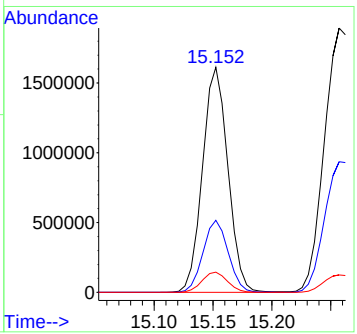


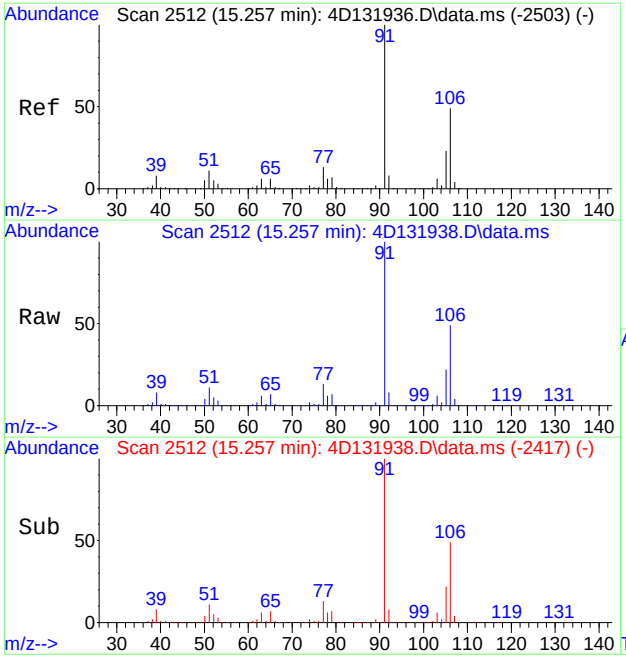


#88
ethylbenzene
Concen: 172.13 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 91 Resp: 2426636

Ion	Ratio	Lower	Upper
91	100		
106	32.0	1.3	61.3
65	9.0	0.0	39.1

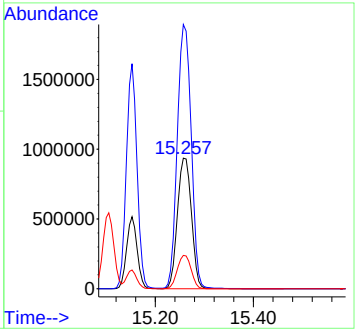


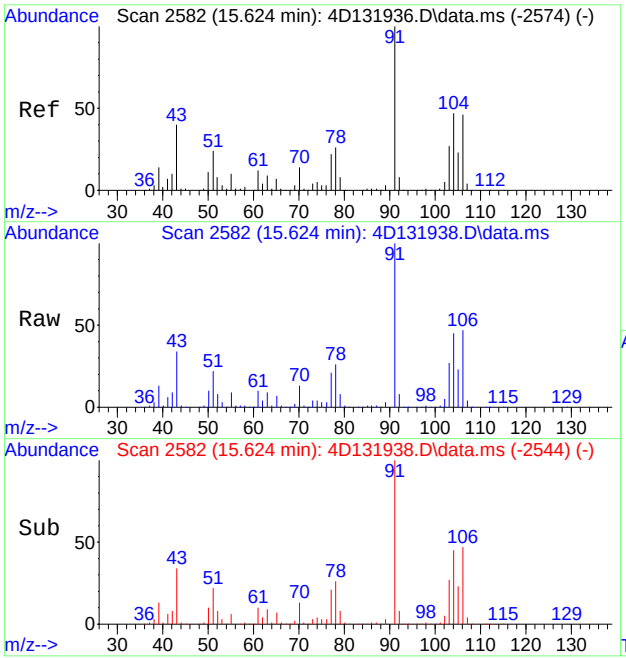


#89
m,p-xylene
Concen: 343.32 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:106 Resp: 1862280

Ion	Ratio	Lower	Upper
106	100		
91	202.3	173.6	233.6
77	25.7	5.6	45.6

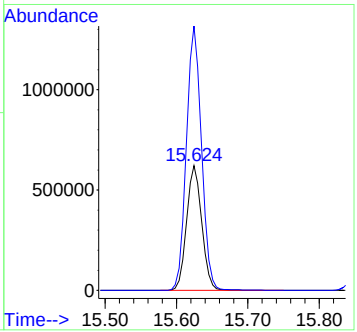


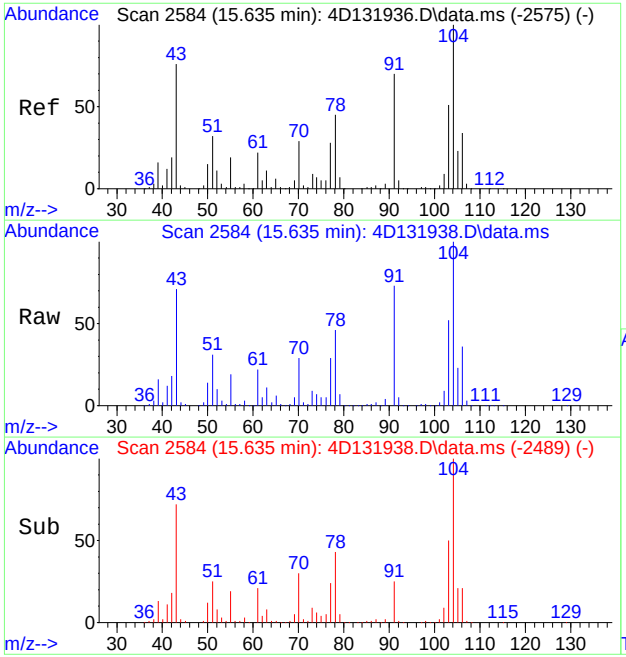


#90
o-xylene
Concen: 172.43 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:106 Resp: 915416

Ion	Ratio	Lower	Upper
106	100		
91	211.9	188.2	248.2

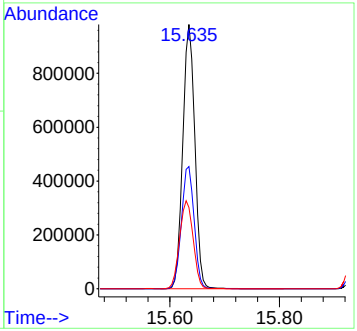


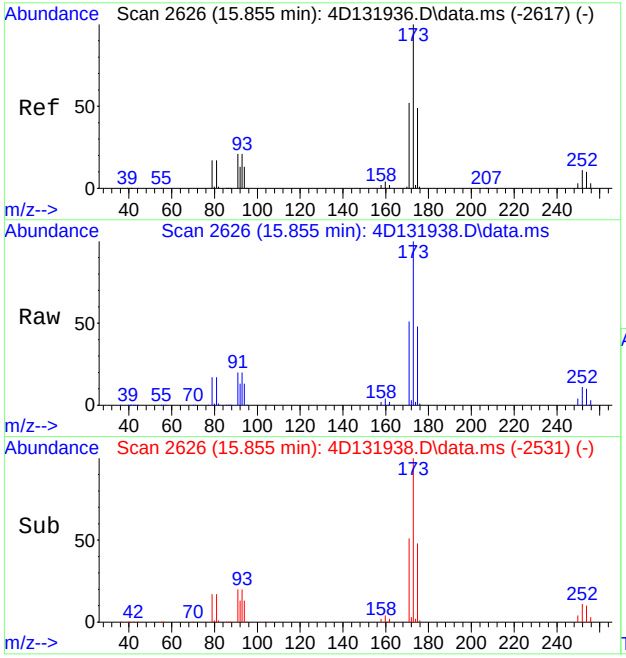


#91
styrene
Concen: 168.26 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:104 Resp: 1502685

Ion	Ratio	Lower	Upper
104	100		
78	46.3	14.9	74.9
51	30.8	2.1	62.1

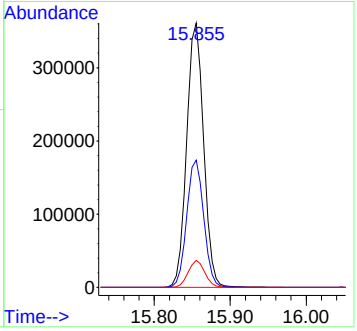


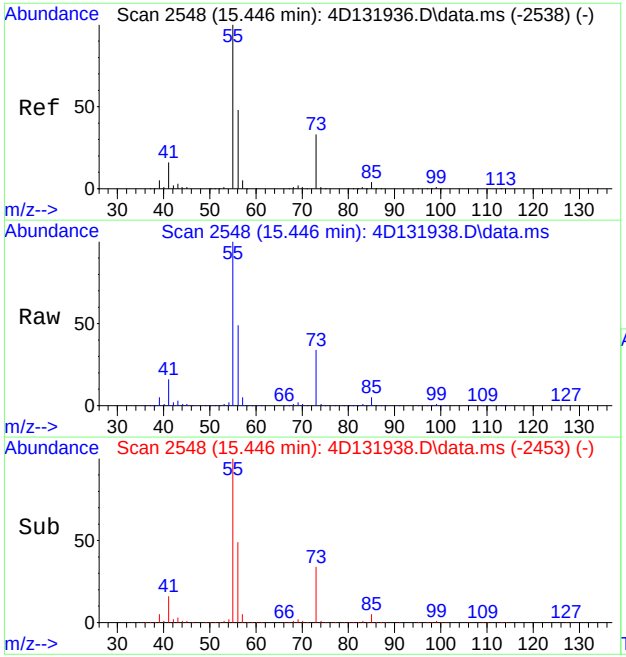


#92
bromoform
Concen: 204.61 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:173 Resp: 559503

Ion	Ratio	Lower	Upper
173	100		
175	48.1	18.7	78.7
254	10.2	0.0	40.1

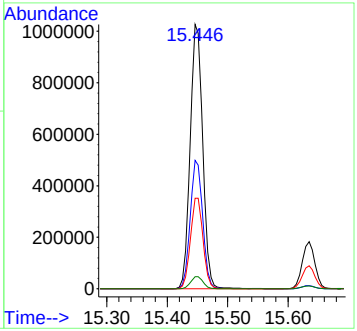


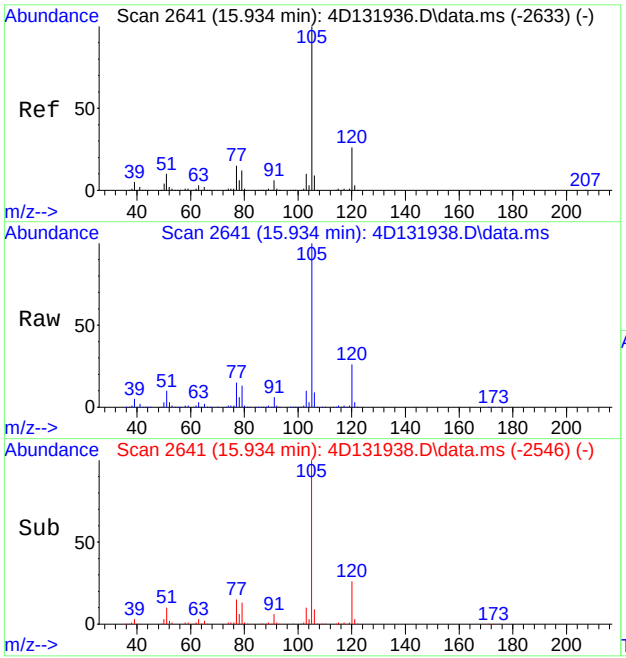


#93
butyl acrylate
Concen: 177.29 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 55 Resp: 1475903

Ion	Ratio	Lower	Upper
55	100		
56	48.5	33.5	62.1
73	34.2	23.2	43.2
85	4.6	3.1	5.8

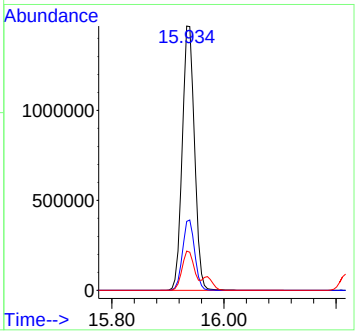


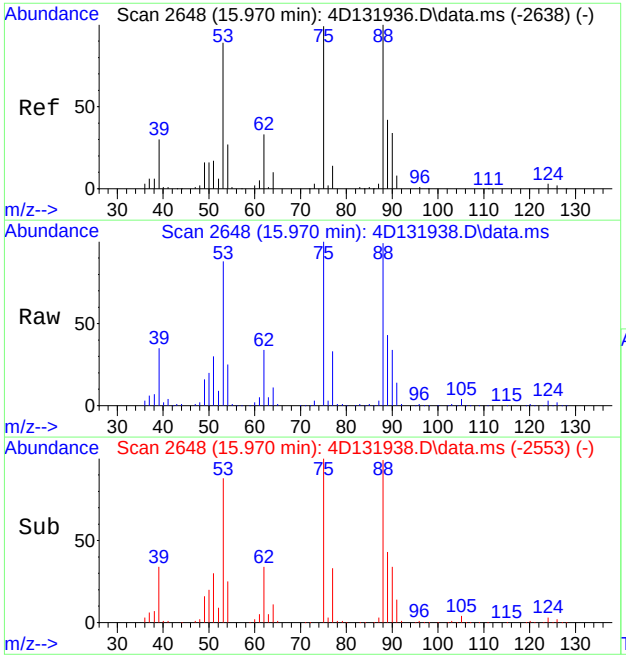


#94
isopropylbenzene
Concen: 182.00 ug/L
RT: 15.934 min Scan# 2641
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:105 Resp: 2228266

Ion	Ratio	Lower	Upper
105	100		
120	26.1	5.9	45.9
77	14.8	0.0	34.7

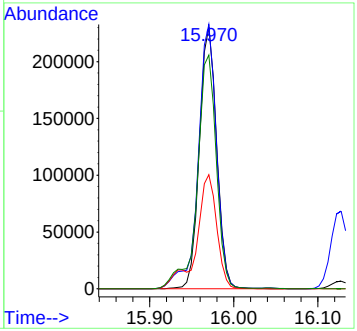


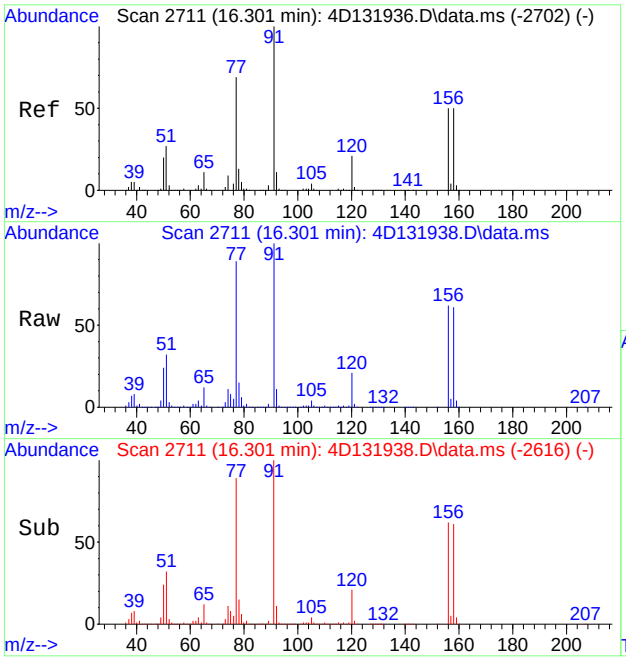


#95
cis-1,4-dichloro-2-butene
Concen: 206.81 ug/L
RT: 15.970 min Scan# 2648
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 88 Resp: 329341

Ion	Ratio	Lower	Upper
88	100		
75	100.9	80.4	120.4
89	43.6	23.8	63.8
53	89.2	70.8	110.8

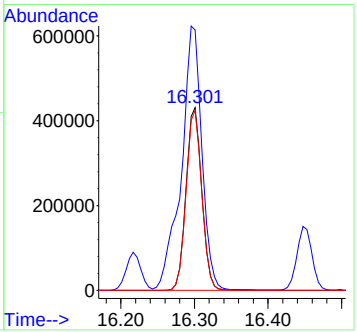


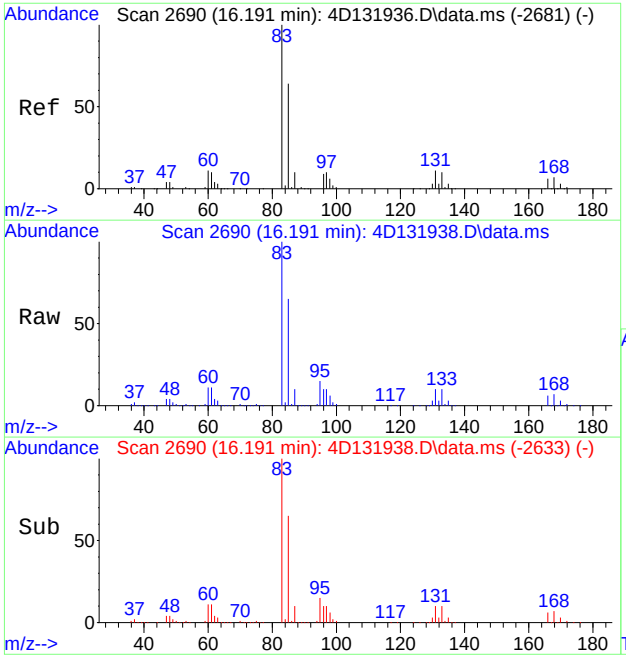


#98
bromobenzene
Concen: 187.07 ug/L
RT: 16.301 min Scan# 2711
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:156 Resp: 641053

Ion	Ratio	Lower	Upper
156	100		
77	142.1	114.1	174.1
158	98.5	69.3	129.3

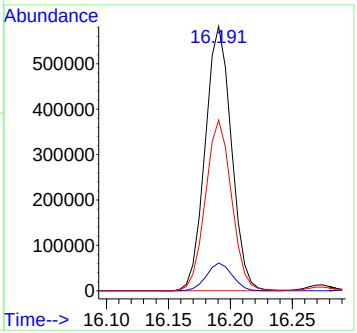


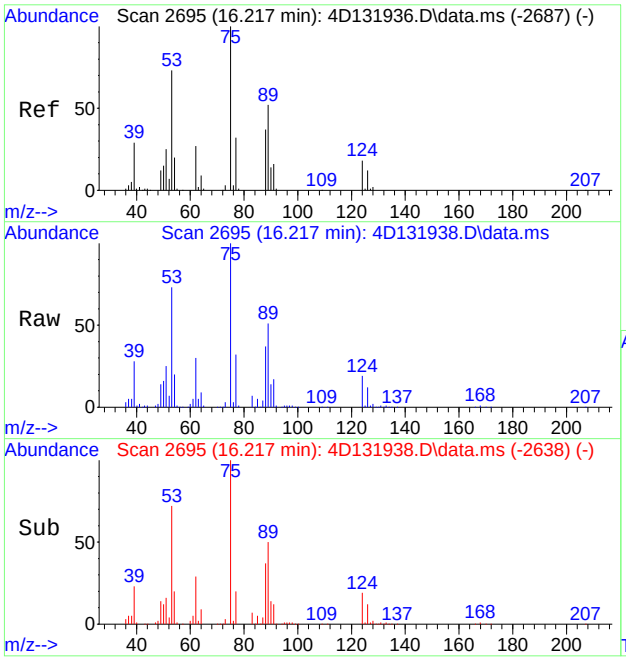


#99
1,1,2,2-tetrachloroethane
Concen: 188.99 ug/L
RT: 16.191 min Scan# 2690
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 83 Resp: 856999

Ion	Ratio	Lower	Upper
83	100		
131	10.5	0.0	40.7
85	64.6	33.7	93.7

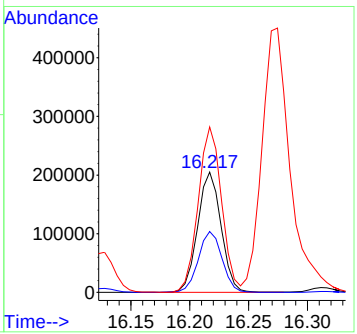


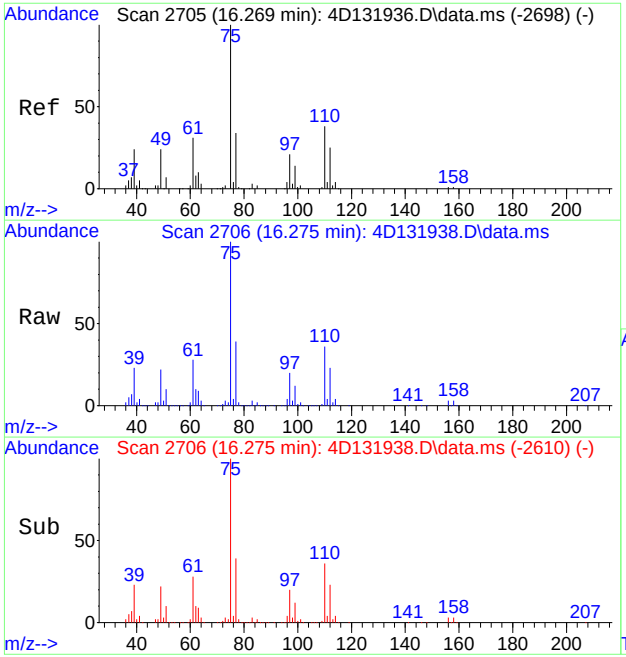


#100
trans-1,4-dichloro-2-butene
Concen: 208.37 ug/L
RT: 16.217 min Scan# 2695
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 53 Resp: 284472

Ion	Ratio	Lower	Upper
53	100		
88	50.7	20.8	80.8
75	137.2	106.5	166.5

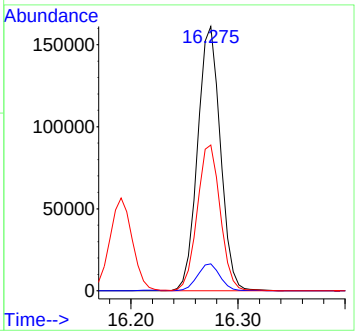


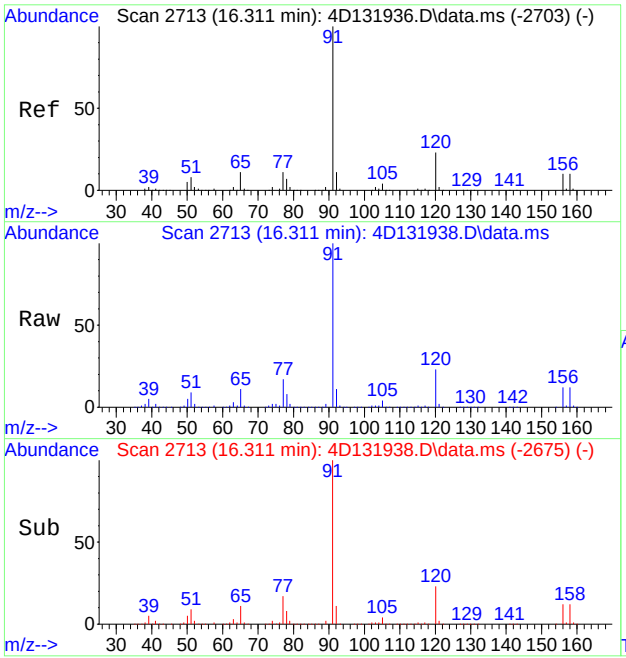


#101
1,2,3-trichloropropane
Concen: 196.92 ug/L
RT: 16.275 min Scan# 2706
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:110 Resp: 238328

Ion	Ratio	Lower	Upper
110	100		
111	10.2	0.0	40.4
97	55.1	25.6	85.6

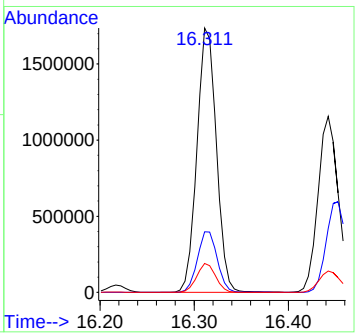


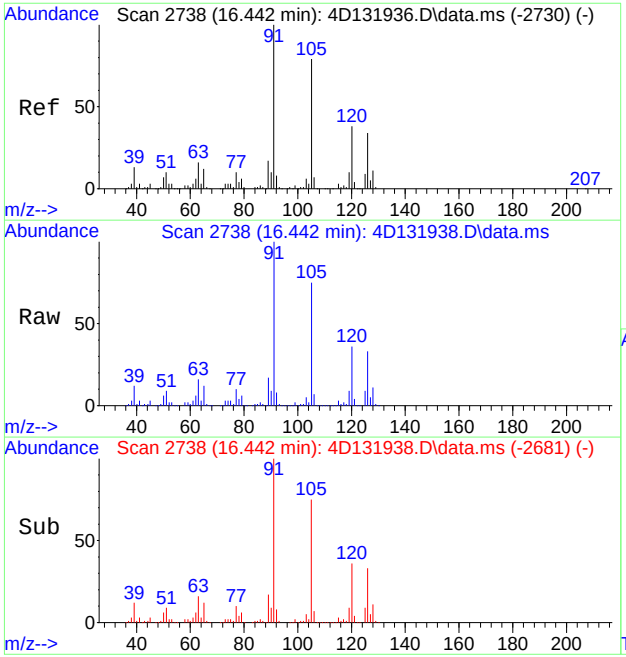


#102
n-propylbenzene
Concen: 172.87 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 91 Resp: 2488001

Ion	Ratio	Lower	Upper
91	100		
120	22.9	0.0	53.1
65	10.9	0.0	40.8

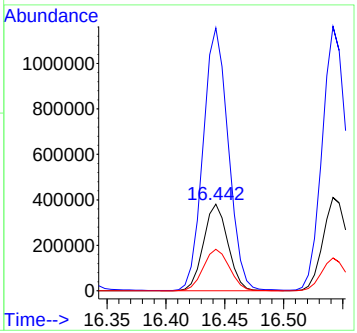


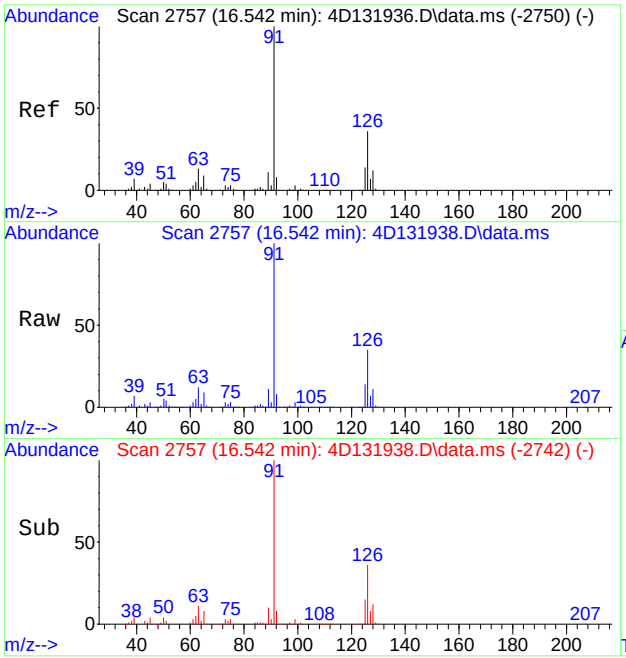


#103
2-chlorotoluene
Concen: 178.41 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:126 Resp: 551906

Ion	Ratio	Lower	Upper
126	100		
91	303.1	265.9	325.9
63	47.8	18.3	78.3

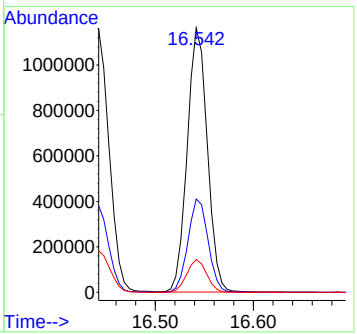


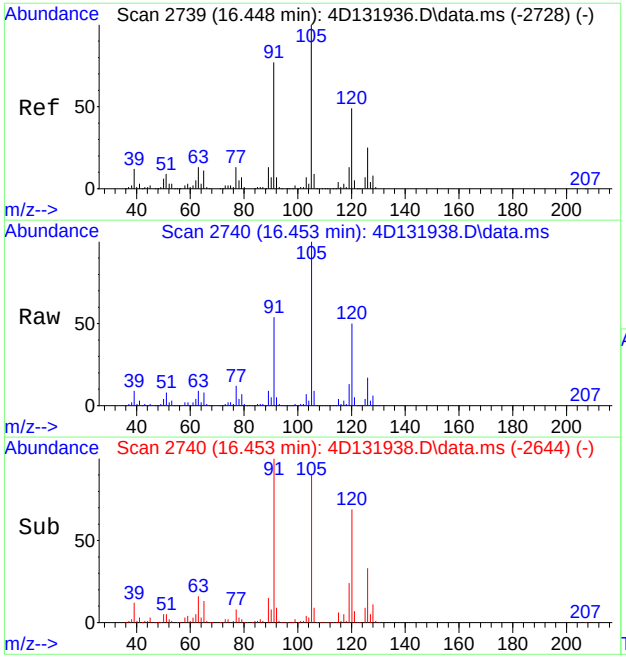


#104
4-chlorotoluene
Concen: 175.53 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 91 Resp: 1658462

Ion	Ratio	Lower	Upper
91	100		
126	35.4	5.5	65.5
63	12.4	0.0	42.5

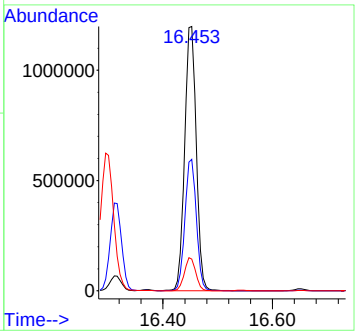


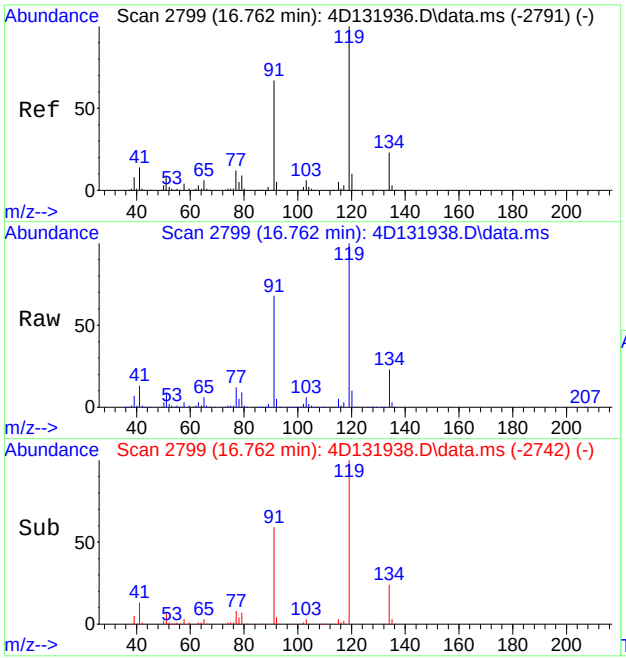


#105
1,3,5-trimethylbenzene
Concen: 174.15 ug/L
RT: 16.453 min Scan# 2740
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:105 Resp: 1764038

Ion	Ratio	Lower	Upper
105	100		
120	49.7	19.3	79.3
77	12.0	0.0	42.7

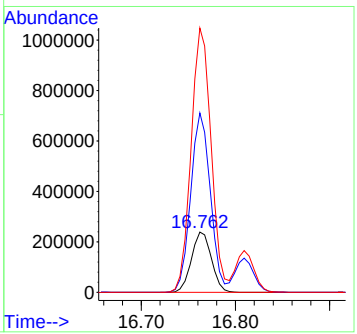


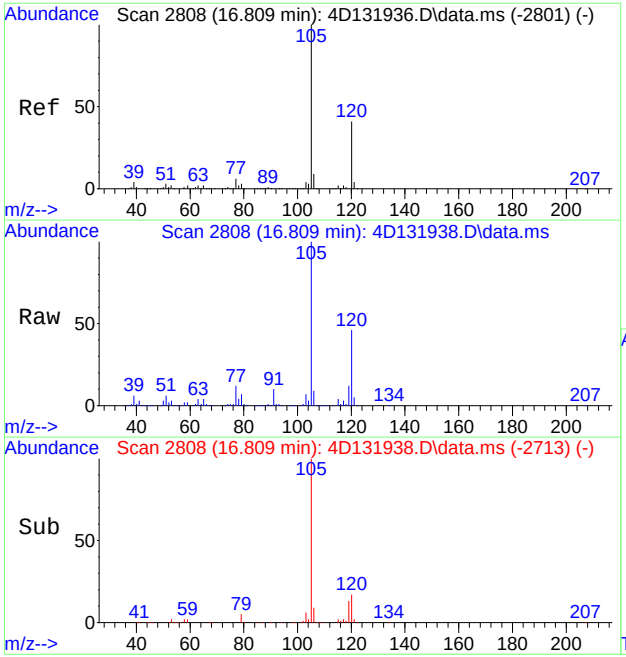


#106
tert-butylbenzene
Concen: 189.57 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:134 Resp: 353566

Ion	Ratio	Lower	Upper
134	100		
91	297.1	266.0	326.0
119	438.2	410.0	470.0

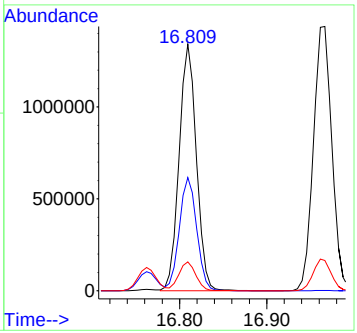


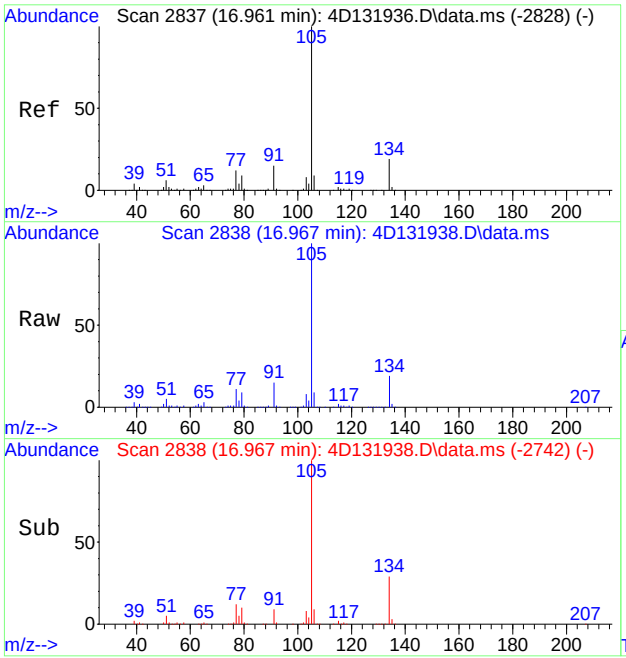


#107
1,2,4-trimethylbenzene
Concen: 180.88 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:105 Resp: 1842233

Ion	Ratio	Lower	Upper
105	100		
120	45.9	15.8	75.8
77	11.7	0.0	41.4

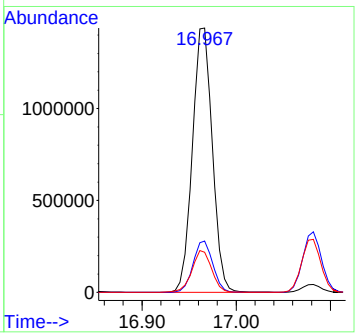


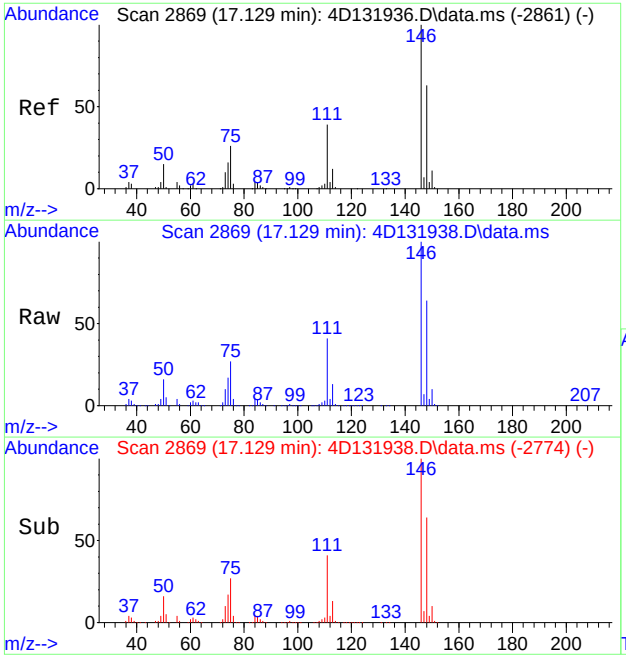


#108
sec-butylbenzene
Concen: 180.50 ug/L
RT: 16.967 min Scan# 2838
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:105 Resp: 2118924

Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	48.6
91	15.1	0.0	45.4

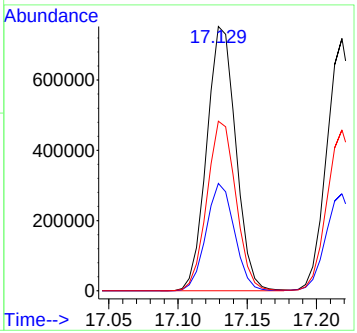


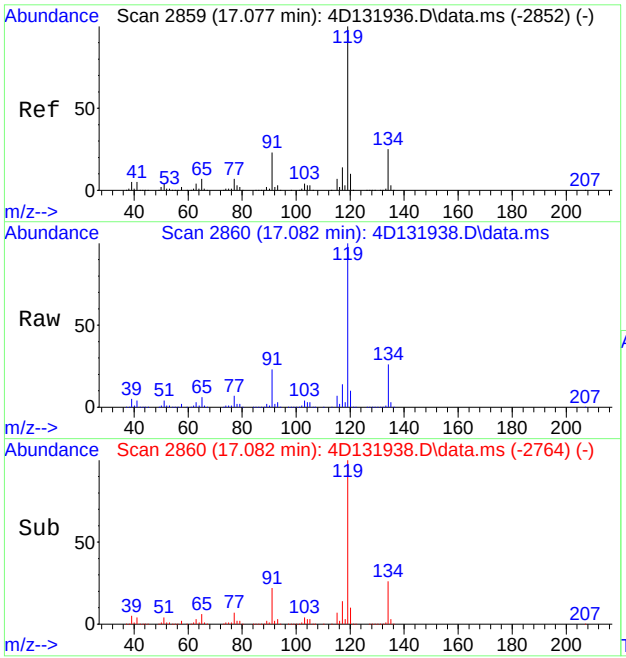


#109
1,3-dichlorobenzene
Concen: 185.28 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:146 Resp: 1096987

Ion	Ratio	Lower	Upper
146	100		
111	40.6	9.4	69.4
148	64.1	33.3	93.3

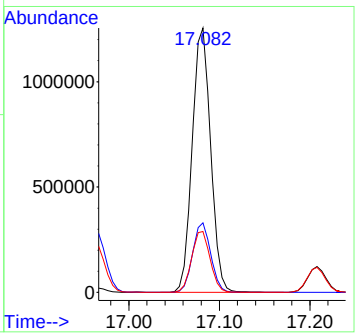


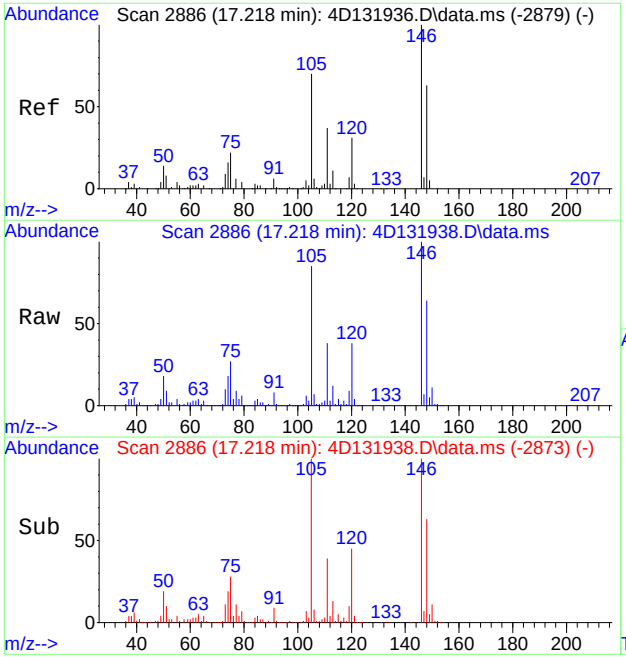


#110
p-isopropyltoluene
Concen: 182.69 ug/L
RT: 17.082 min Scan# 2860
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:119 Resp: 1775041

Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	55.5
91	22.9	0.0	53.2

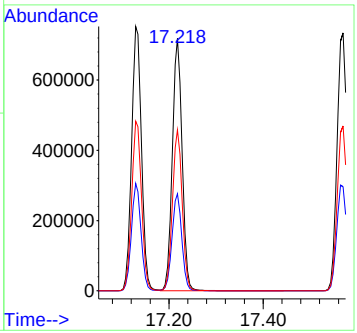


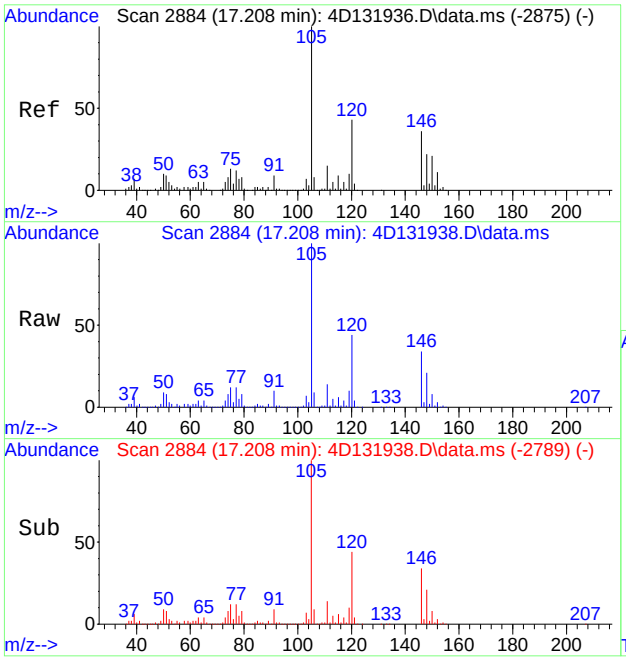


#111
1,4-dichlorobenzene
Concen: 181.68 ug/L
RT: 17.218 min Scan# 2886
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:146 Resp: 1038604

Ion	Ratio	Lower	Upper
146	100		
111	38.5	7.6	67.6
148	63.8	33.6	93.6

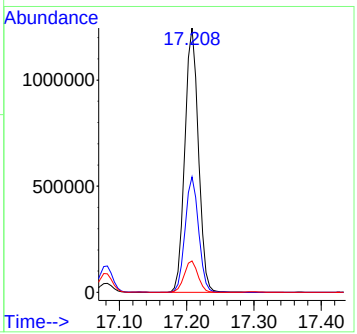


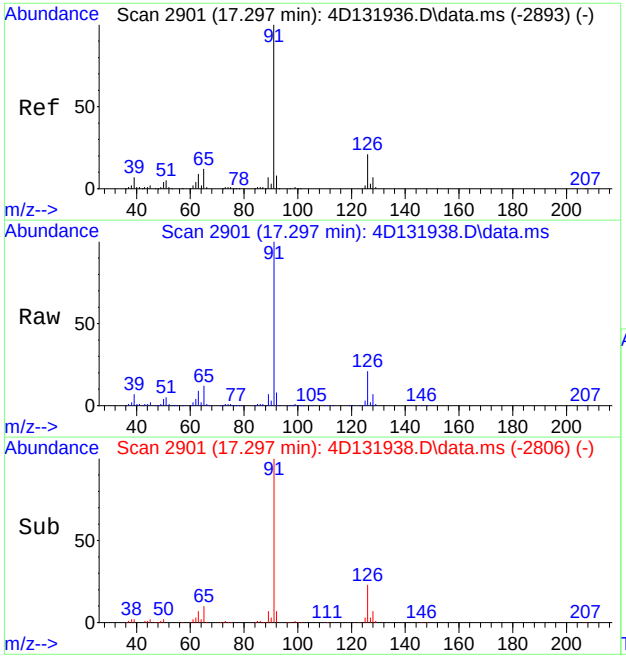


#112
1,2,3-trimethylbenzene
Concen: 178.51 ug/L
RT: 17.208 min Scan# 2884
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:105 Resp: 1743224

Ion	Ratio	Lower	Upper
105	100		
120	43.7	12.6	72.6
77	11.8	0.0	42.2

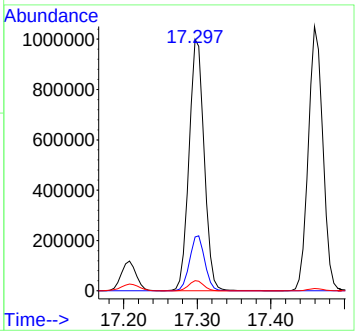


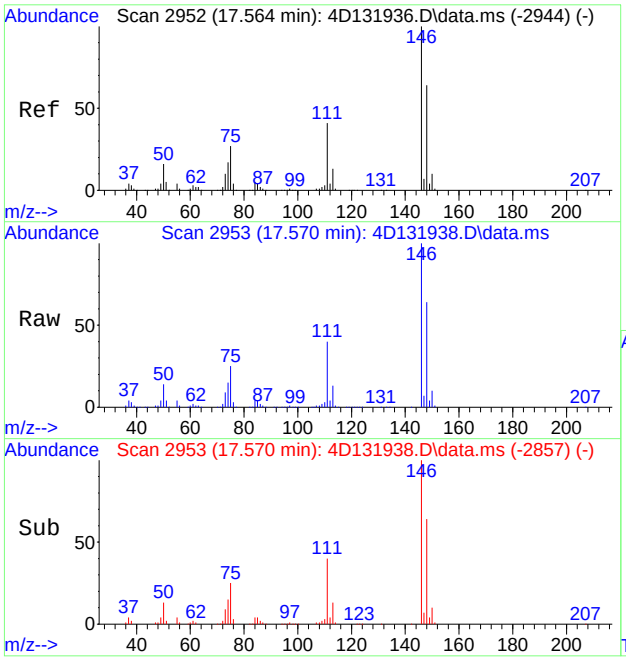


#113
benzyl chloride
Concen: 183.62 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 91 Resp: 1425803

Ion	Ratio	Lower	Upper
91	100		
126	21.4	0.0	51.2
62	4.1	0.0	34.2

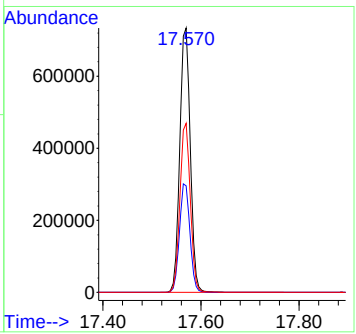


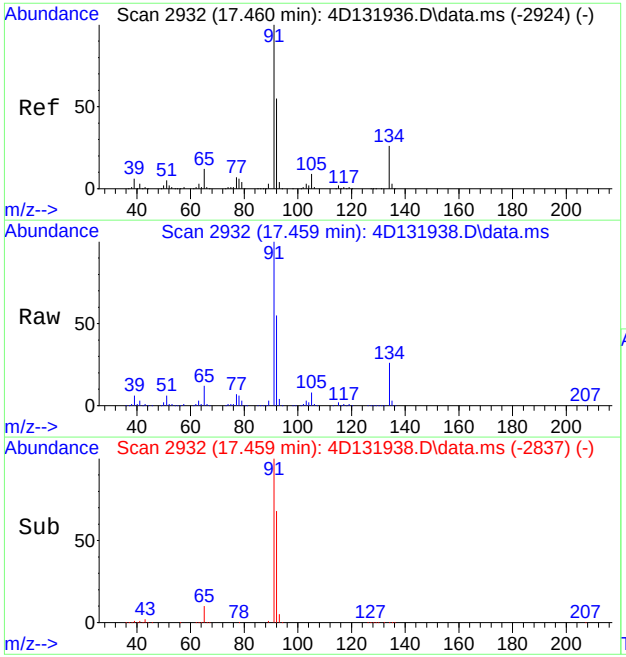


#114
1,2-dichlorobenzene
Concen: 195.69 ug/L
RT: 17.570 min Scan# 2953
Delta R.T. 0.005 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:146 Resp: 1087511

Ion	Ratio	Lower	Upper
146	100		
111	40.3	11.4	71.4
148	63.9	33.6	93.6

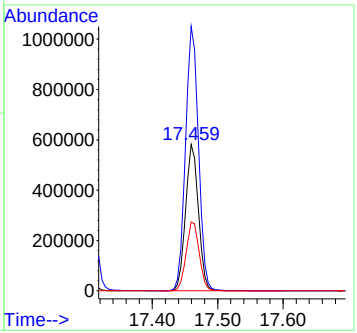


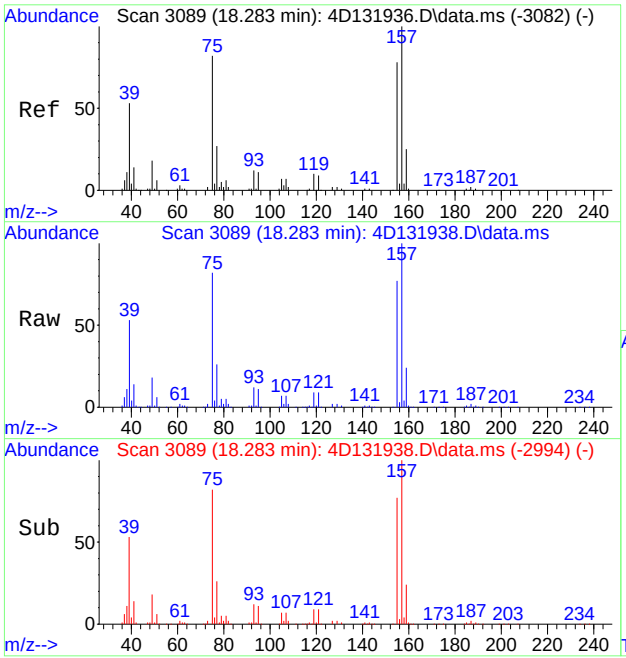


#115
n-butylbenzene
Concen: 185.81 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion: 92 Resp: 794675

Ion	Ratio	Lower	Upper
92	100		
91	180.8	151.4	211.4
134	47.1	16.5	76.5

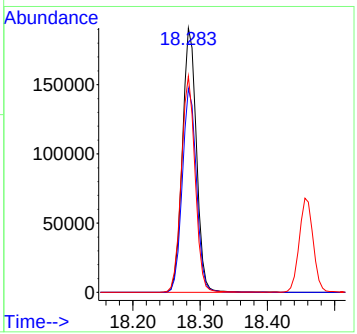


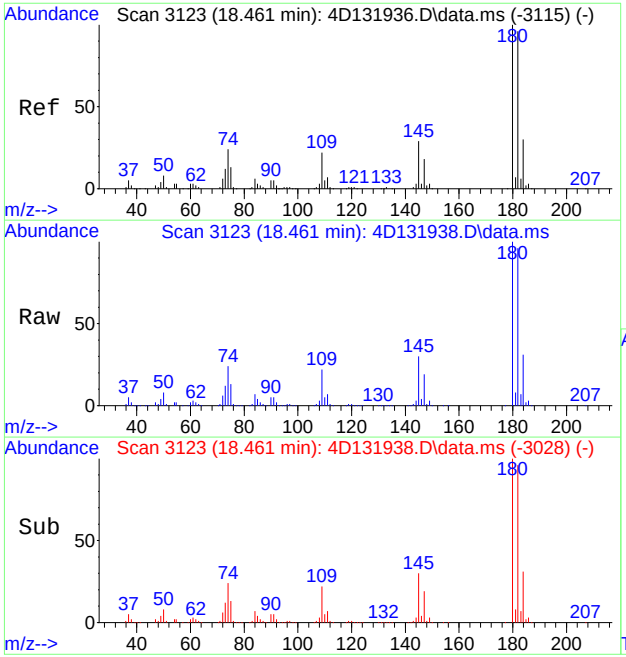


#116
1,2-dibromo-3-chloropropane
Concen: 226.91 ug/L
RT: 18.283 min Scan# 3089
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:157 Resp: 277222

Ion	Ratio	Lower	Upper
157	100		
155	77.1	48.1	108.1
75	81.7	52.3	112.3

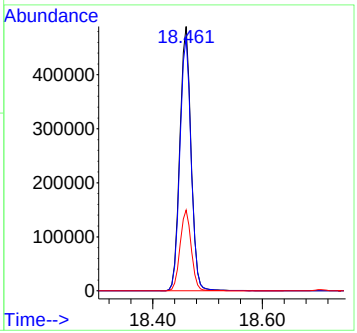


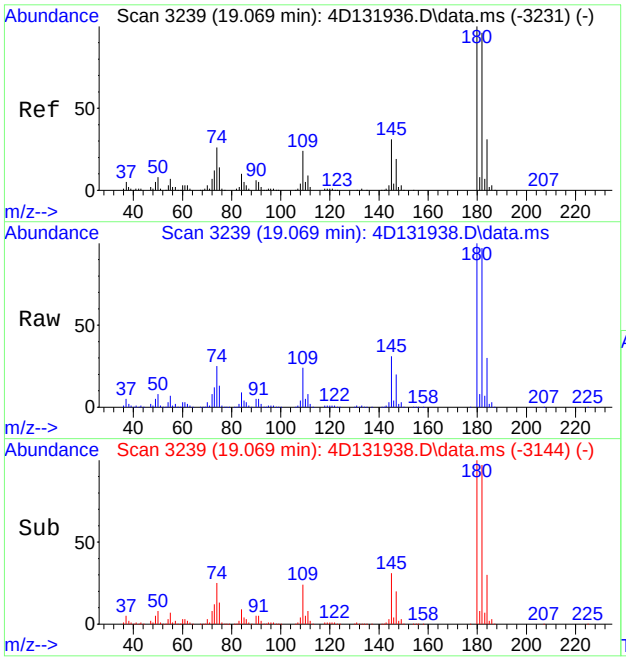


#117
1,3,5-trichlorobenzene
Concen: 203.20 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:180 Resp: 695562

Ion	Ratio	Lower	Upper
180	100		
182	95.7	66.1	126.1
184	30.5	0.3	60.3

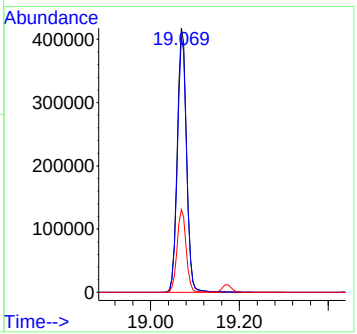




#118
1,2,4-trichlorobenzene
Concen: 204.75 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

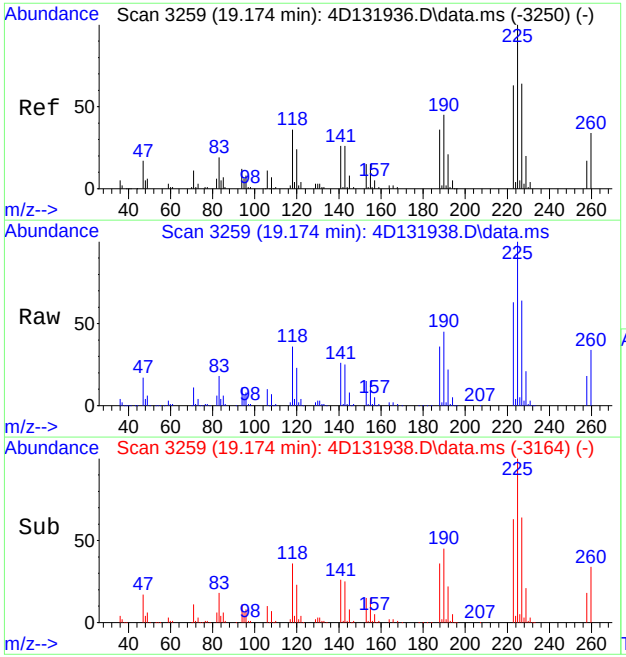
Tgt Ion:180 Resp: 609517

Ion	Ratio	Lower	Upper
180	100		
182	96.7	65.6	125.6
145	31.3	0.8	60.8



7.6.10

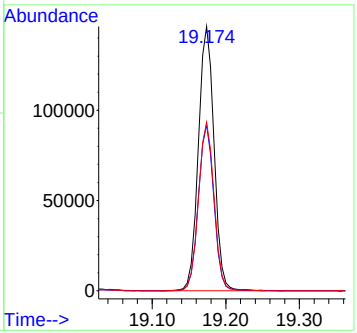
7

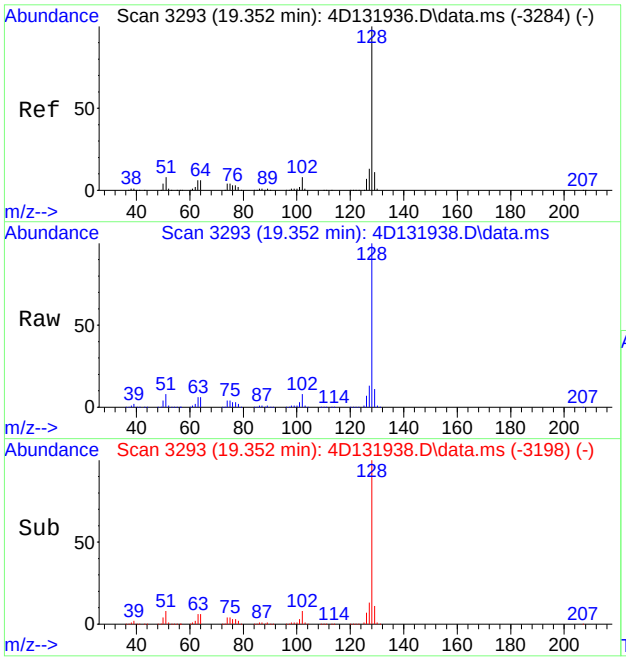


#119
hexachlorobutadiene
Concen: 183.86 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:225 Resp: 216148

Ion	Ratio	Lower	Upper
225	100		
223	62.8	33.3	93.3
227	63.7	33.8	93.8

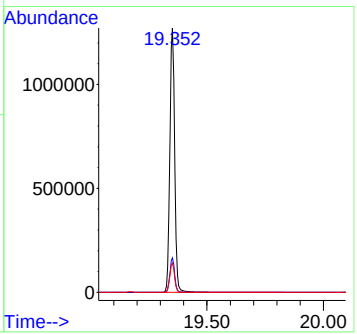


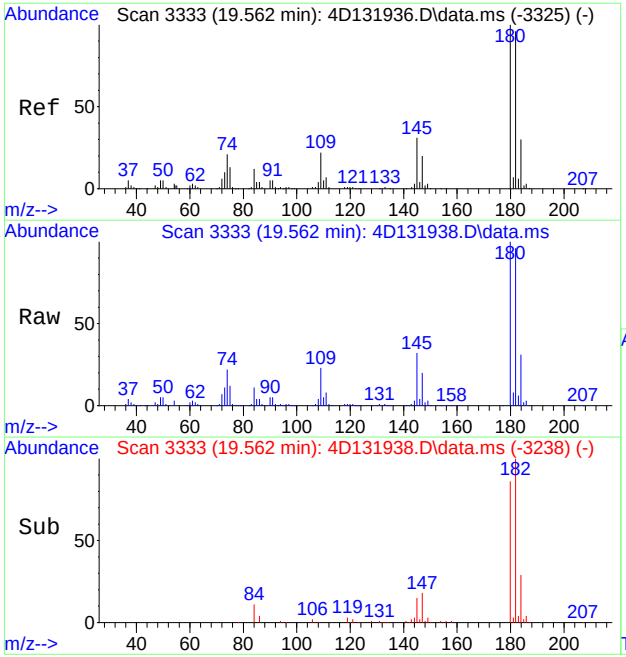


#120
naphthalene
Concen: 184.37 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:128 Resp: 1842580

Ion	Ratio	Lower	Upper
128	100		
127	13.1	0.0	42.5
129	11.2	0.0	41.0

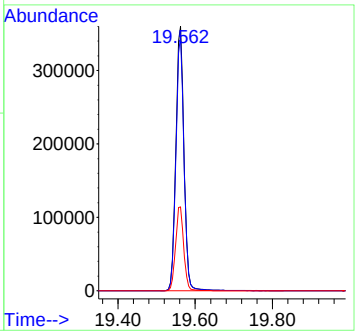


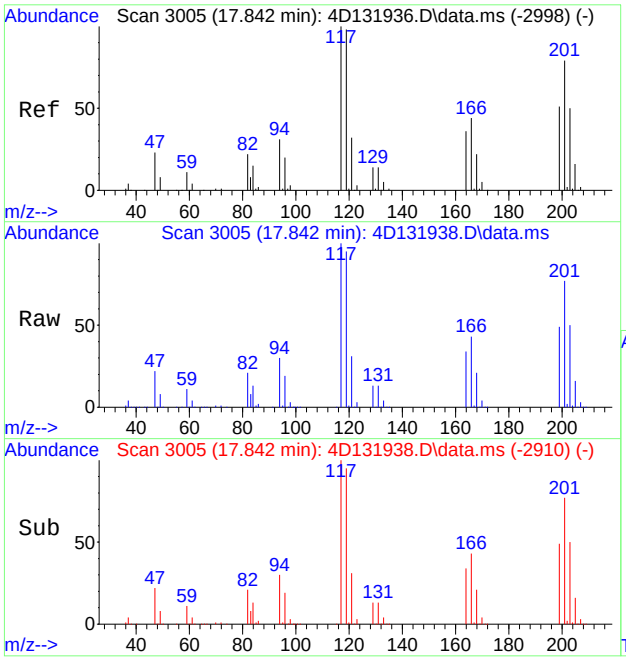


#121
1,2,3-trichlorobenzene
Concen: 198.75 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:180 Resp: 529046

Ion	Ratio	Lower	Upper
180	100		
182	96.3	66.3	126.3
145	31.7	1.3	61.3

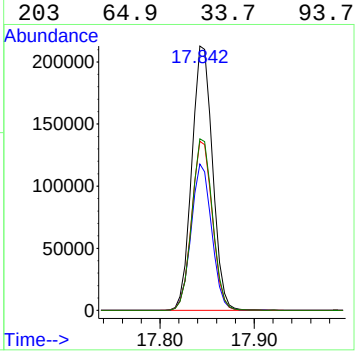


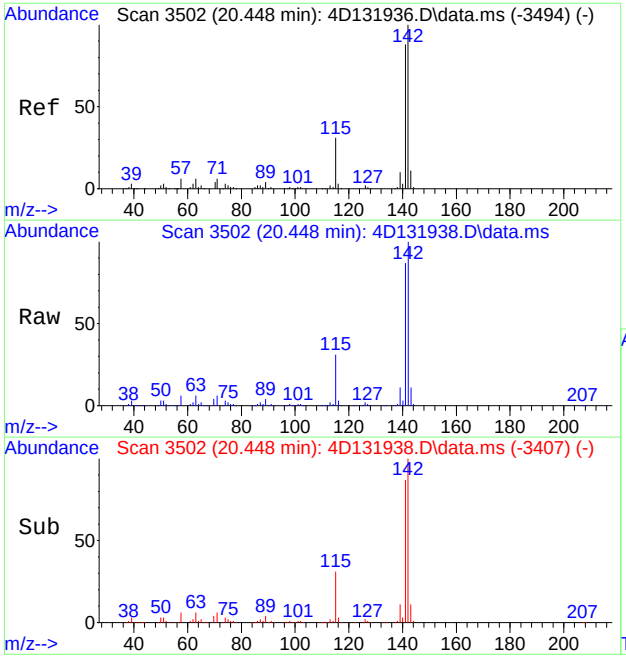


#122
hexachloroethane
Concen: 227.26 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:201 Resp: 324945

Ion	Ratio	Lower	Upper
201	100		
166	55.3	26.1	86.1
199	63.9	33.8	93.8
203	64.9	33.7	93.7

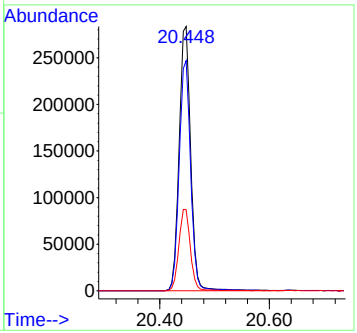




#123
2-methylnaphthalene
Concen: 98.64 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. -0.000 min
Lab File: 4D131938.D
Acq: 6 Oct 2023 7:58 pm

Tgt Ion:142 Resp: 416347

Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.9	107.9
115	30.7	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131941.D
Acq On : 6 Oct 2023 9:25 pm
Operator : nickw
Sample : icv5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 10 11:49:20 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 10 11:45:55 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.824	65	418566	500.00	ug/L	0.00
5) pentafluorobenzene	11.299	168	383779	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	637769	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	508696	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	217910	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.299	168	383779	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	217910	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.336	113	207069	50.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.10%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	227636	48.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.26%			
74) toluene-d8 (s)	13.705	98	662708	49.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.38%			
97) 4-bromofluorobenzene (s)	16.128	95	231072	50.30	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.60%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.960	59	300538	226.66	ug/L	100
3) ethanol	7.325	45	617609	4904.06	ug/L	100
4) 1,4-dioxane	12.814	88	100826	1206.30	ug/L	100
7) dichlorodifluoromethane	4.735	85	273293	46.81	ug/L	99
8) chloromethane	5.248	50	310356	48.72	ug/L	100
9) vinyl chloride	5.500	62	277488	52.69	ug/L	98
10) 1,3-butadiene	5.600	54	217808	52.04	ug/L	98
11) bromomethane	6.271	94	155874	61.75	ug/L	98
12) chloroethane	6.528	64	157342	51.86	ug/L	99
13) trichlorofluoromethane	7.073	101	342209	54.73	ug/L	99
14) ethyl ether	7.587	74	122829	56.89	ug/L	99
15) acrolein	7.854	56	65260	50.92	ug/L	97
16) freon 113	8.064	151	151039	53.67	ug/L	98
17) 1,1-dichloroethene	8.074	96	183244	57.17	ug/L	98
18) acetone	8.085	58	232125	244.76	ug/L	99
19) acetonitrile	8.562	41	444295	472.42	ug/L	98
20) iodomethane	8.368	142	152259	32.50	ug/L	100
21) carbon disulfide	8.520	76	545542	54.77	ug/L	100
22) methylene chloride	8.892	84	200399	47.08	ug/L	98
23) methyl acetate	8.620	74	56404	56.63	ug/L	99
24) methyl tert butyl ether	9.286	73	626380	52.49	ug/L	99
25) trans-1,2-dichloroethene	9.333	96	188771	52.23	ug/L	99
26) di-isopropyl ether	9.951	45	707371	49.76	ug/L	99
27) 2-butanone	10.670	72	201686	233.87	ug/L	98
28) 1,1-dichloroethane	9.972	63	376212	51.47	ug/L	99
29) chloroprene	10.082	53	343862	51.92	ug/L	99
30) acrylonitrile	9.223	53	131720	53.09	ug/L	99
31) hexane	9.726	56	149658	43.97	ug/L	99
32) vinyl acetate	9.899	86	32441	39.02	ug/L	95
33) ethyl tert-butyl ether	10.449	59	702878	49.67	ug/L	99
34) ethyl acetate	10.691	70	38194	46.57	ug/L	96
35) 2,2-dichloropropane	10.769	77	254251	44.39	ug/L	99
36) cis-1,2-dichloroethene	10.743	96	209246	49.62	ug/L	100
37) methyl acrylate	10.775	55	363058	48.09	ug/L	99
38) propionitrile	10.754	54	504891	458.29	ug/L	99
39) bromochloromethane	11.058	128	107008	50.77	ug/L	96
40) tetrahydrofuran	11.073	72	43117	48.38	ug/L	99
41) chloroform	11.147	85	229758	54.94	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131941.D
Acq On : 6 Oct 2023 9:25 pm
Operator : nickw
Sample : icv5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 10 11:49:20 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 10 11:45:55 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	11.173	59	153908	83.44	ug/L		100
44) methacrylonitrile	10.963	67	115660	48.68	ug/L		100
45) 1,1,1-trichloroethane	11.404	97	288631	49.71	ug/L		99
46) cyclohexane	11.509	84	260666	49.83	ug/L	#	81
47) 1,1-dichloropropene	11.577	75	245925	50.34	ug/L		100
48) isobutyl alcohol	11.535	74	20419	453.68	ug/L	#	60
49) carbon tetrachloride	11.598	117	255854	51.18	ug/L		98
50) tert amyl alcohol	11.692	55	97563	230.85	ug/L		99
53) n-butyl alcohol	12.253	56	753853	2369.07	ug/L		100
54) 2,2,4-trimethylpentane	11.902	57	488480	45.35	ug/L		99
55) benzene	11.818	78	697518	49.32	ug/L		100
56) tert-amyl methyl ether	11.886	87	128984	47.77	ug/L		99
57) heptane	12.049	71	106636	45.46	ug/L		98
58) isopropyl acetate	11.718	87	54718	50.84	ug/L		96
59) 1,2-dichloroethane	11.844	62	275574	46.98	ug/L		99
60) trichloroethene	12.499	130	204081	52.15	ug/L		99
61) ethyl acrylate	12.479	55	360661	47.96	ug/L		100
63) 2-chloroethyl vinyl ether	13.218	63	679078	311.83	ug/L		99
64) methyl methacrylate	12.725	100	68110	50.48	ug/L		90
65) 1,2-dichloropropane	12.772	63	196798	48.66	ug/L		99
66) dibromomethane	12.872	93	122826	48.22	ug/L		99
67) methylcyclohexane	12.772	83	264516	47.38	ug/L		99
68) bromodichloromethane	13.013	83	247137	47.47	ug/L		100
69) epichlorohydrin	13.302	57	177809	230.50	ug/L		100
70) cis-1,3-dichloropropene	13.422	75	299064	48.29	ug/L		99
71) 4-methyl-2-pentanone	13.511	58	461141	189.49	ug/L		99
75) toluene	13.774	92	413471	48.70	ug/L		99
76) trans-1,3-dichloropropene	13.936	75	265946	47.50	ug/L		99
77) ethyl methacrylate	13.915	69	260914	47.32	ug/L		99
78) 1,1,2-trichloroethane	14.141	83	144137	47.66	ug/L		99
79) tetrachloroethene	14.277	164	248856	84.33	ug/L		97
80) 1,3-dichloropropane	14.303	76	258995	48.58	ug/L		99
81) 2-hexanone	14.277	58	521974	196.64	ug/L		100
82) butyl acetate	14.335	56	172199	45.60	ug/L		98
83) dibromochloromethane	14.534	129	205300	48.77	ug/L		100
84) 1,2-dibromoethane	14.675	107	187415	48.58	ug/L		99
85) n-butyl ether	15.037	57	786560	49.25	ug/L		99
86) chlorobenzene	15.105	112	460077	49.26	ug/L		99
87) 1,1,1,2-tetrachloroethane	15.158	131	167908	49.80	ug/L		99
88) ethylbenzene	15.152	91	739509	48.51	ug/L		100
89) m,p-xylene	15.257	106	564165	96.21	ug/L		98
90) o-xylene	15.624	106	280532	48.86	ug/L		95
91) styrene	15.635	104	468069	48.57	ug/L		99
92) bromoform	15.855	173	150780	50.16	ug/L		99
93) butyl acrylate	15.446	55	420965	46.70	ug/L		99
94) isopropylbenzene	15.939	105	659056	49.54	ug/L		99
95) cis-1,4-dichloro-2-butene	15.970	88	81347	46.39	ug/L		99
98) bromobenzene	16.301	156	186768	50.96	ug/L		99
99) 1,1,2,2-tetrachloroethane	16.191	83	227524	46.86	ug/L		100
100) trans-1,4-dichloro-2-b...	16.217	53	79241	53.63	ug/L		99
101) 1,2,3-trichloropropane	16.274	110	66896	51.39	ug/L		97
102) n-propylbenzene	16.311	91	755189	49.38	ug/L		100
103) 2-chlorotoluene	16.442	126	165732	50.28	ug/L		97
104) 4-chlorotoluene	16.542	91	477844	47.53	ug/L		99
105) 1,3,5-trimethylbenzene	16.447	105	531361	49.33	ug/L		99
106) tert-butylbenzene	16.762	134	101743	50.91	ug/L		99
107) 1,2,4-trimethylbenzene	16.809	105	532688	49.07	ug/L		99
108) sec-butylbenzene	16.961	105	619936	49.51	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131941.D
Acq On : 6 Oct 2023 9:25 pm
Operator : nickw
Sample : icv5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 10 11:49:20 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 10 11:45:55 2023
Response via : Initial Calibration

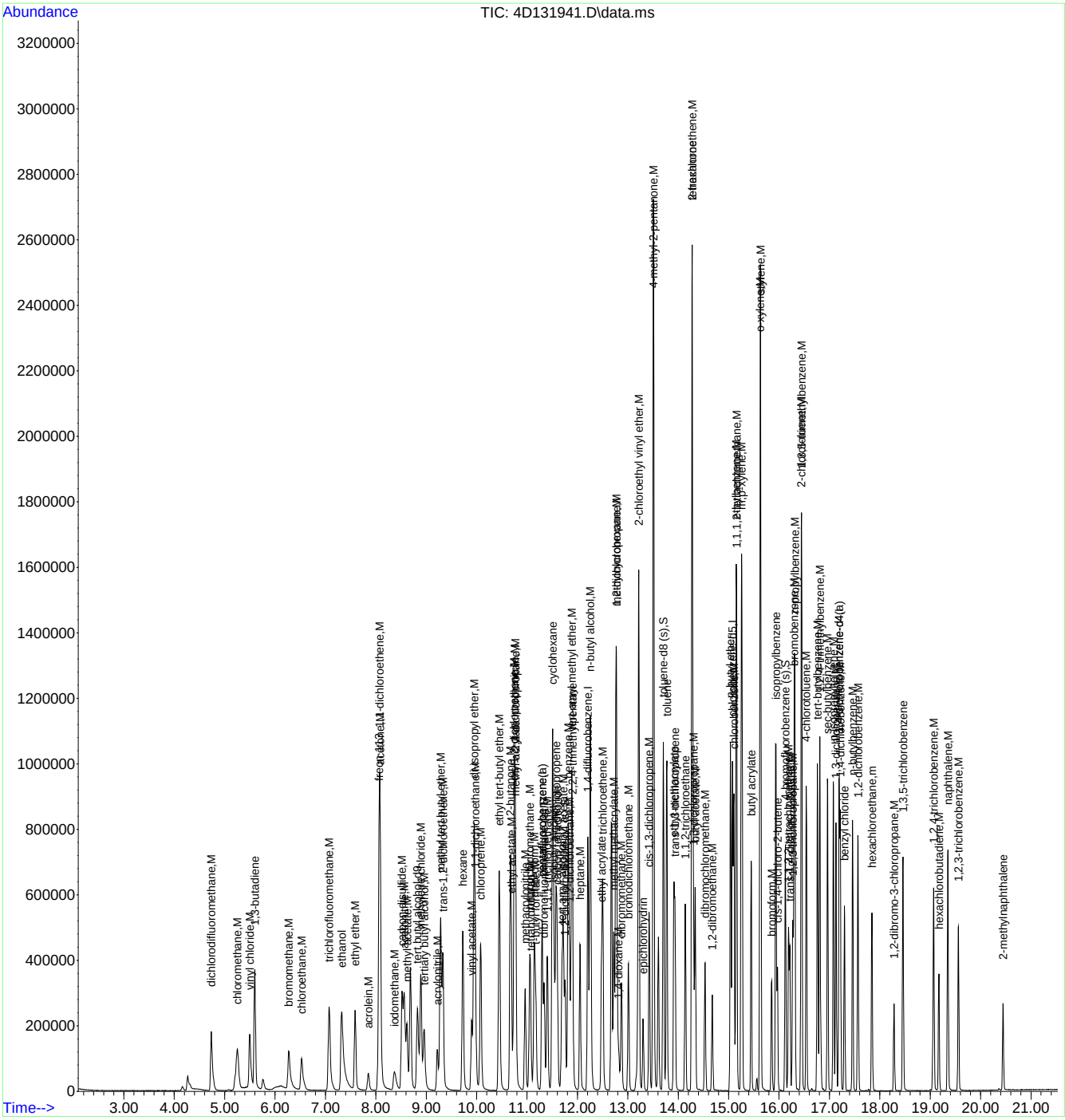
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	17.129	146	314365	49.65	ug/L	99
110) p-isopropyltoluene	17.082	119	516161	49.75	ug/L	99
111) 1,4-dichlorobenzene	17.218	146	306444	50.27	ug/L	99
113) benzyl chloride	17.297	91	365633	44.11	ug/L	100
114) 1,2-dichlorobenzene	17.570	146	303672	50.84	ug/L	99
115) n-butylbenzene	17.459	92	227067	49.64	ug/L	99
116) 1,2-dibromo-3-chloropr...	18.283	157	70792	53.08	ug/L	99
117) 1,3,5-trichlorobenzene	18.461	180	202611	54.86	ug/L	100
118) 1,2,4-trichlorobenzene	19.069	180	169480	52.71	ug/L	99
119) hexachlorobutadiene	19.174	225	70018	55.79	ug/L	98
120) naphthalene	19.352	128	537024	50.32	ug/L	99
121) 1,2,3-trichlorobenzene	19.562	180	149484	52.16	ug/L	100
122) hexachloroethane	17.842	201	87787	56.15	ug/L	100
123) 2-methylnaphthalene	20.448	142	122223	26.92	ug/L	99

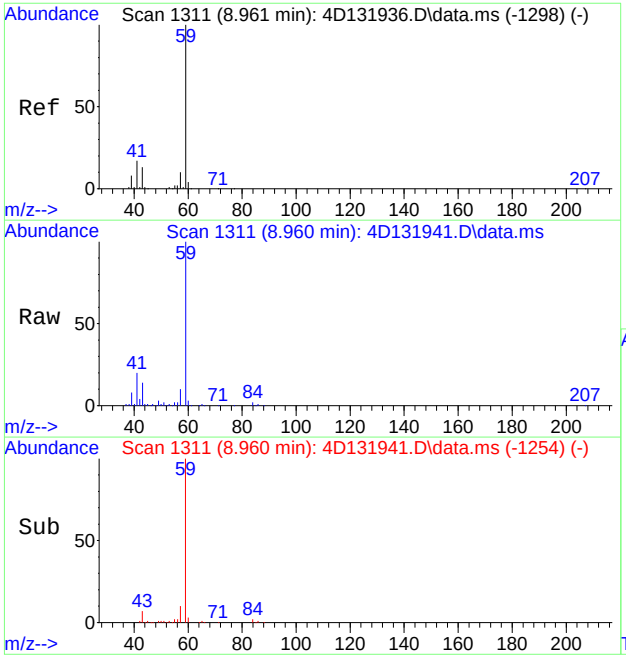
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131941.D
Acq On : 6 Oct 2023 9:25 pm
Operator : nickw
Sample : icv5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 10 11:49:20 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 10 11:45:55 2023
Response via : Initial Calibration

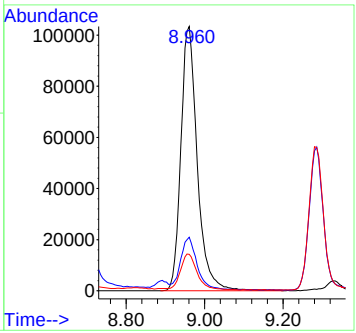


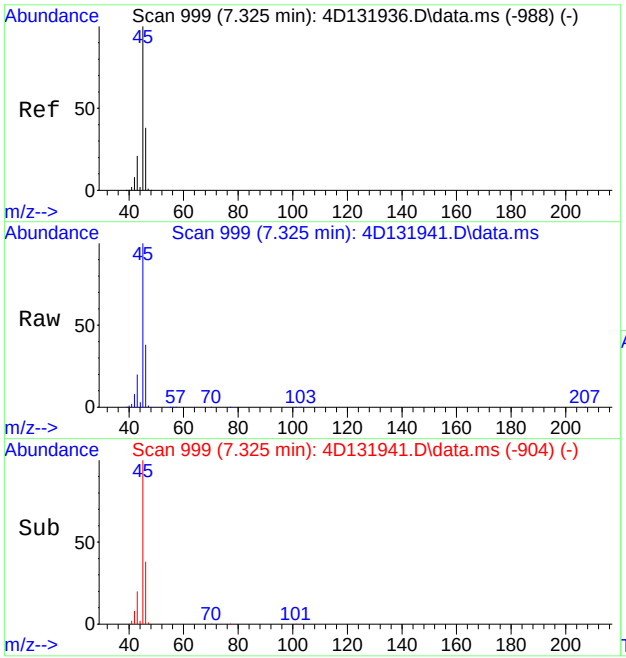


#2
tertiary butyl alcohol
Concen: 226.66 ug/L
RT: 8.960 min Scan# 1311
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 59 Resp: 300538

Ion	Ratio	Lower	Upper
59	100		
41	20.0	0.0	49.8
43	13.5	0.0	43.7

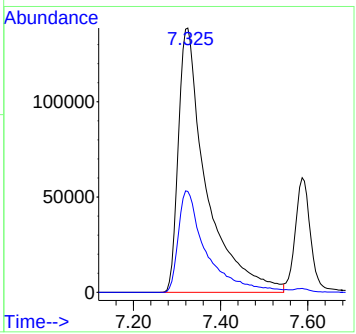


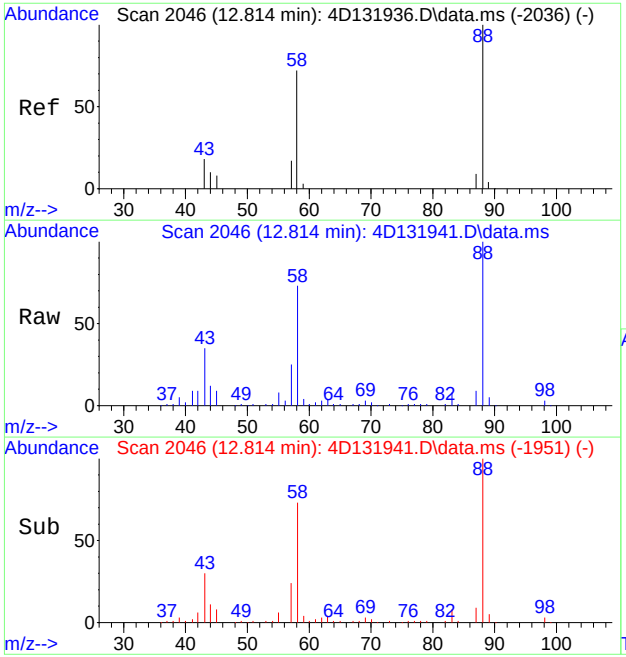


#3
ethanol
Concen: 4904.06 ug/L
RT: 7.325 min Scan# 999
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 45 Resp: 617609

Ion	Ratio	Lower	Upper
45	100		
46	38.1	8.2	68.2

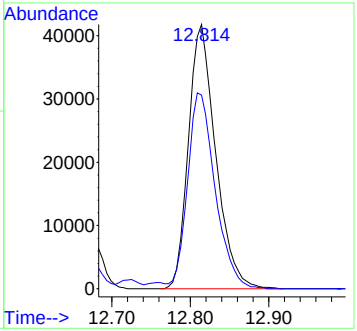


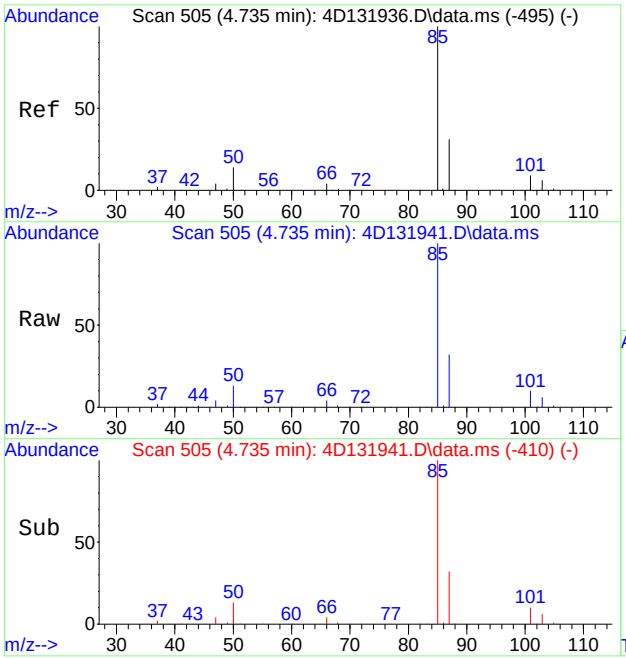


#4
1,4-dioxane
Concen: 1206.30 ug/L
RT: 12.814 min Scan# 2046
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 88 Resp: 100826

Ion	Ratio	Lower	Upper
88	100		
58	73.3	43.1	103.1

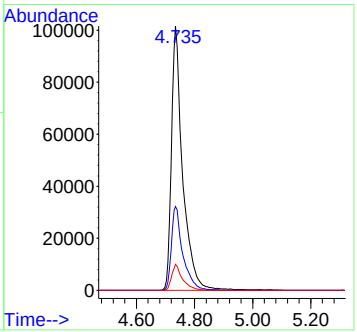


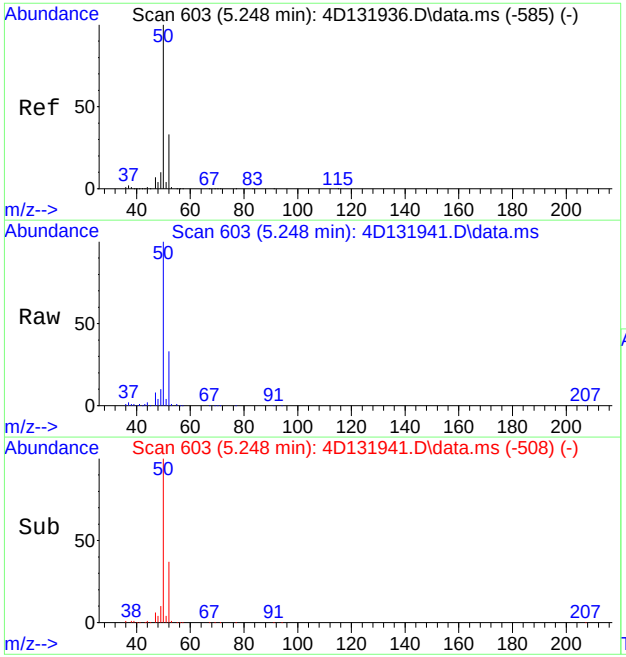


#7
dichlorodifluoromethane
Concen: 46.81 ug/L
RT: 4.735 min Scan# 505
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 85 Resp: 273293

Ion	Ratio	Lower	Upper
85	100		
87	31.7	1.4	61.4
101	9.8	0.0	39.3

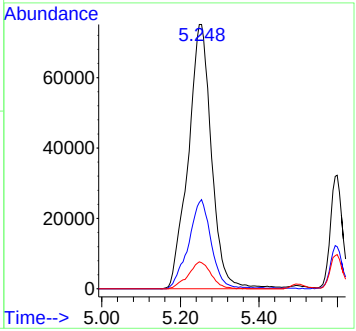


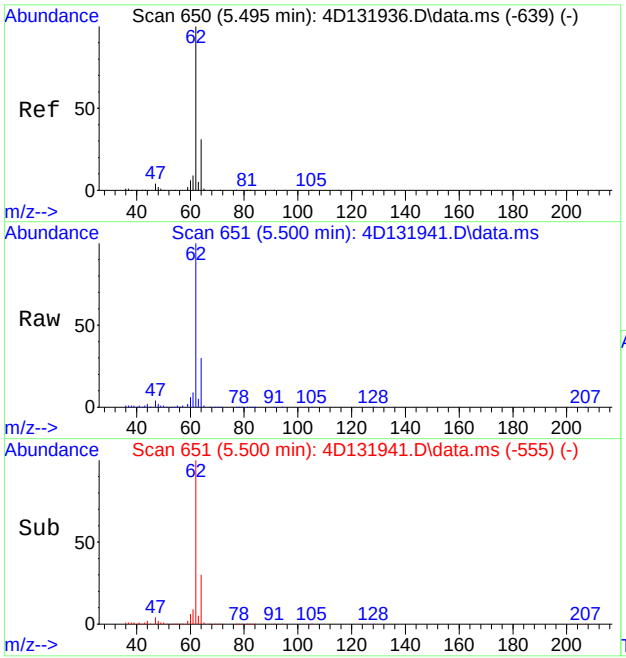


#8
chloromethane
Concen: 48.72 ug/L
RT: 5.248 min Scan# 603
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 50 Resp: 310356

Ion	Ratio	Lower	Upper
50	100		
52	32.7	2.8	62.8
49	10.2	0.0	40.0

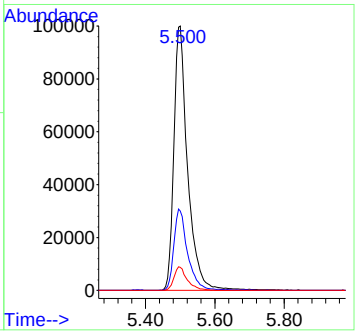


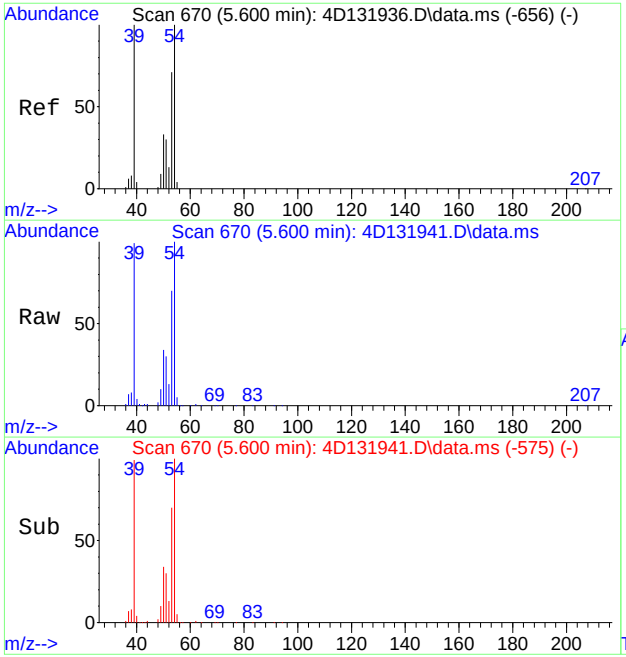


#9
vinyl chloride
Concen: 52.69 ug/L
RT: 5.500 min Scan# 651
Delta R.T. 0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 62 Resp: 277488

Ion	Ratio	Lower	Upper
62	100		
64	30.0	1.2	61.2
61	8.7	0.0	38.7

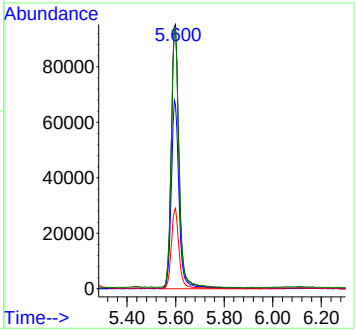


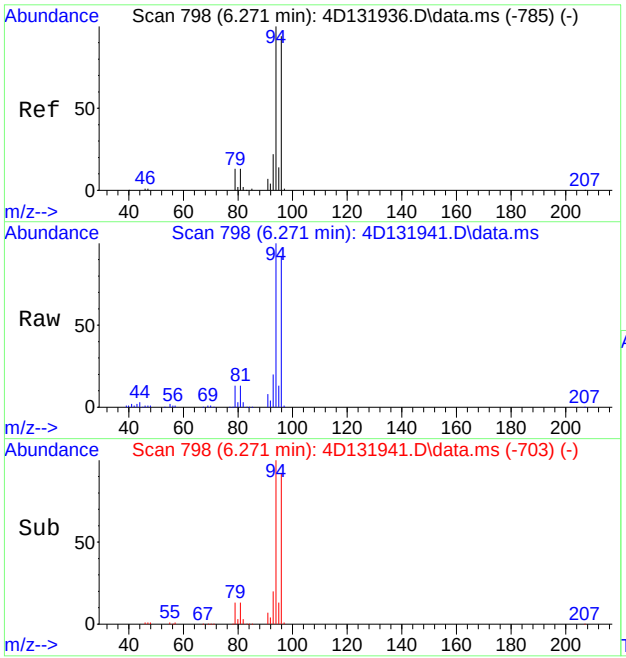


#10
1,3-butadiene
Concen: 52.04 ug/L
RT: 5.600 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 54 Resp: 217808

Ion	Ratio	Lower	Upper
54	100		
53	69.4	41.0	101.0
51	30.2	0.0	59.6
39	98.2	79.8	119.8

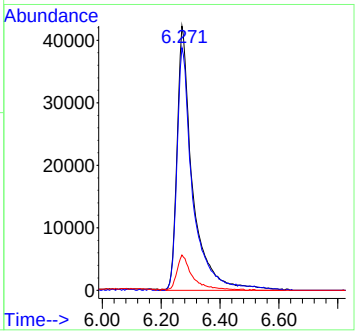


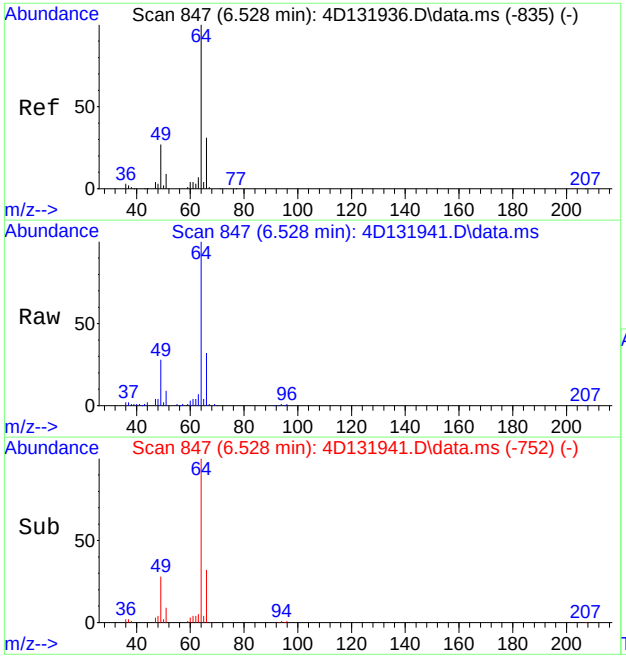


#11
bromomethane
Concen: 61.75 ug/L
RT: 6.271 min Scan# 798
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 94 Resp: 155874

Ion	Ratio	Lower	Upper
94	100		
96	91.8	63.6	123.6
79	13.4	0.0	43.4

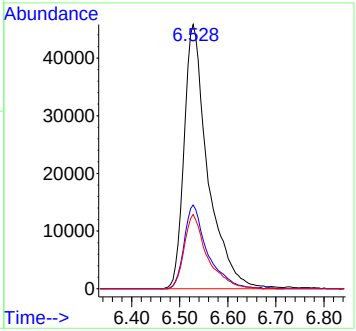


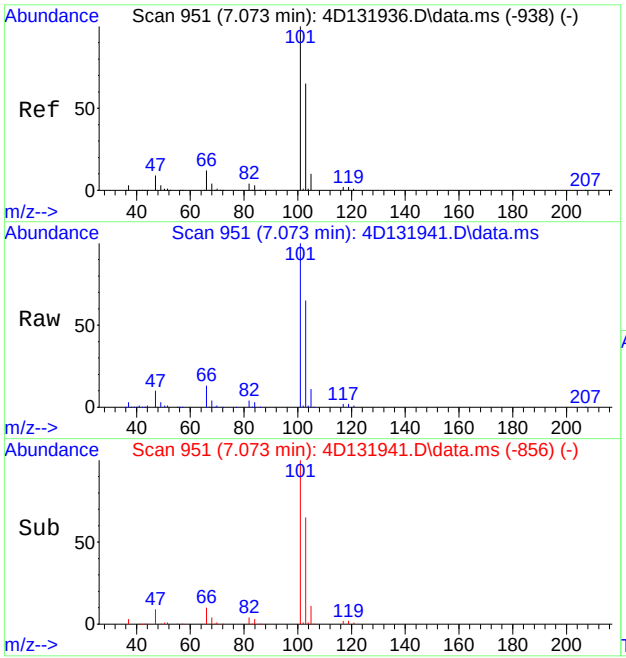


#12
chloroethane
Concen: 51.86 ug/L
RT: 6.528 min Scan# 847
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 64 Resp: 157342

Ion	Ratio	Lower	Upper
64	100		
66	31.7	1.2	61.2
49	28.1	0.0	57.3

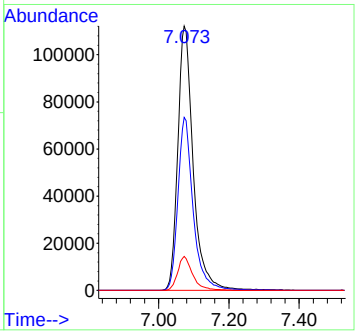


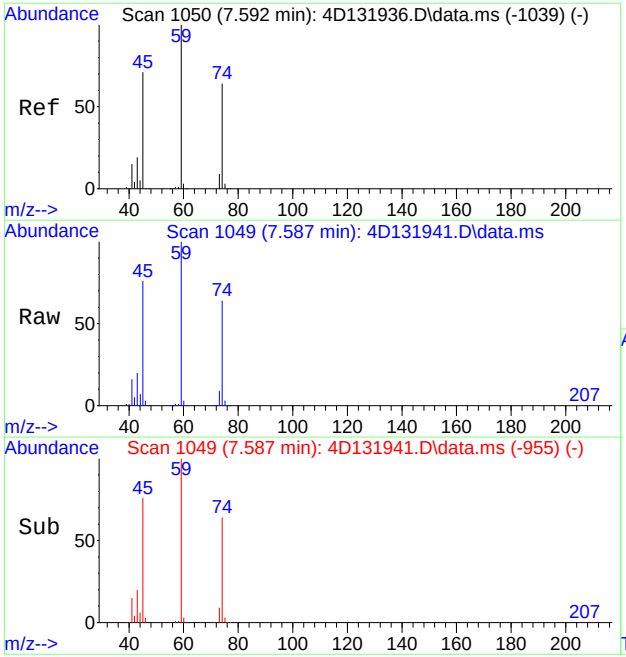


#13
trichlorofluoromethane
Concen: 54.73 ug/L
RT: 7.073 min Scan# 951
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:101 Resp: 342209

Ion	Ratio	Lower	Upper
101	100		
103	65.4	35.1	95.1
66	12.8	0.0	42.2

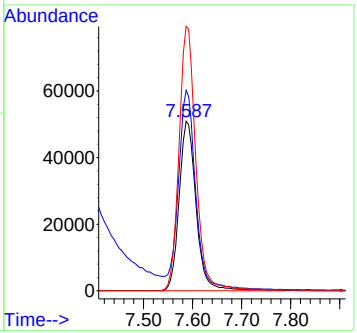


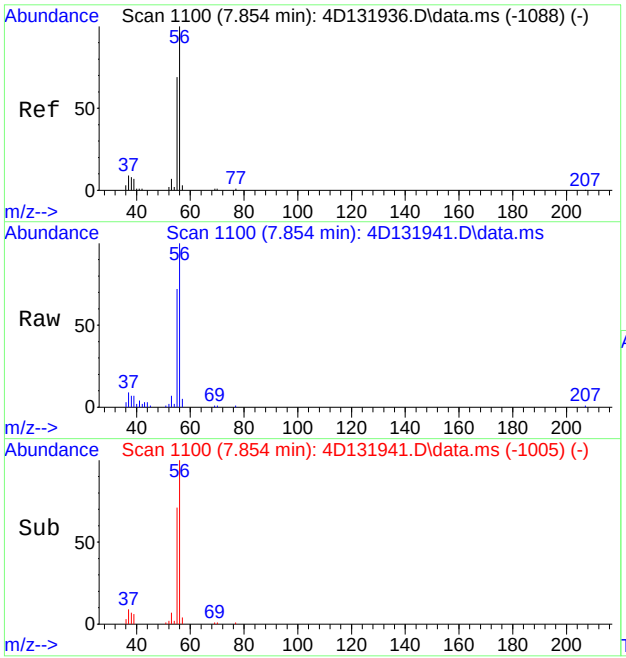


#14
ethyl ether
Concen: 56.89 ug/L
RT: 7.587 min Scan# 1049
Delta R.T. -0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 74 Resp: 122829

Ion	Ratio	Lower	Upper
74	100		
45	117.4	89.0	149.0
59	155.9	125.8	185.8

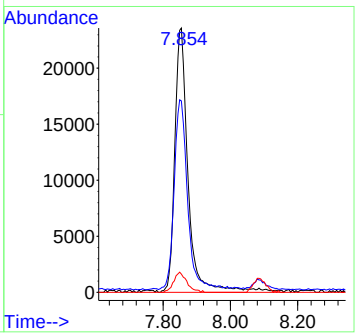


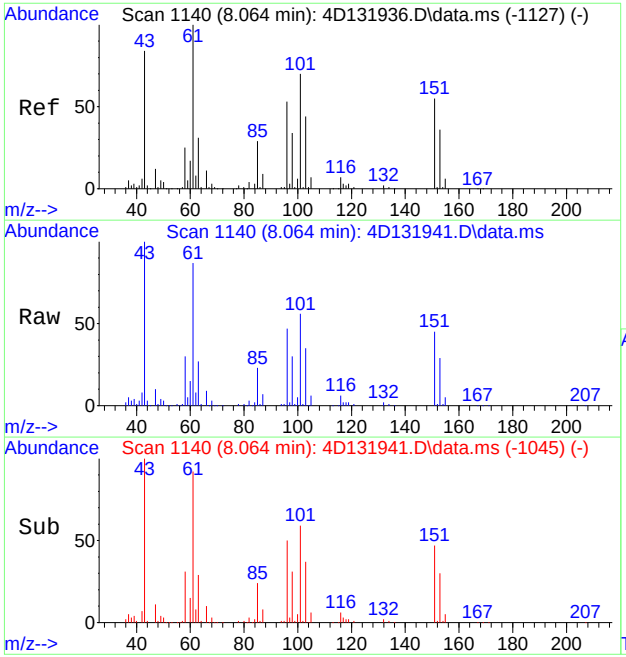


#15
acrolein
Concen: 50.92 ug/L
RT: 7.854 min Scan# 1100
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 56 Resp: 65260

Ion	Ratio	Lower	Upper
56	100		
55	71.1	38.7	98.7
53	6.9	0.0	37.5

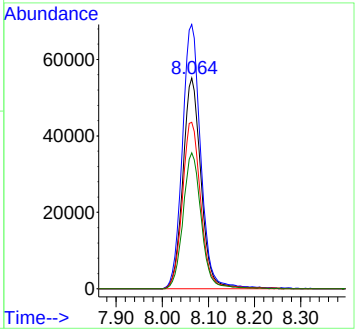


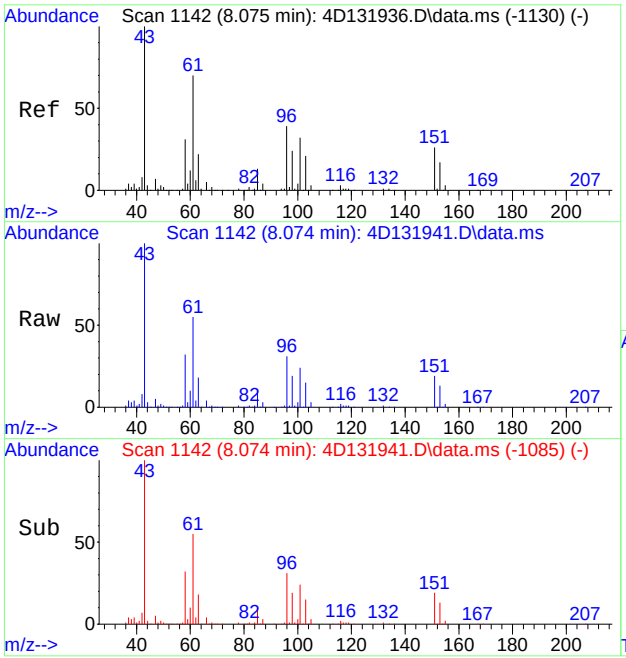


#16
freon 113
Concen: 53.67 ug/L
RT: 8.064 min Scan# 1140
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:151 Resp: 151039

Ion	Ratio	Lower	Upper
151	100		
101	125.4	107.6	147.6
103	79.0	61.2	101.2
153	64.4	45.4	85.4

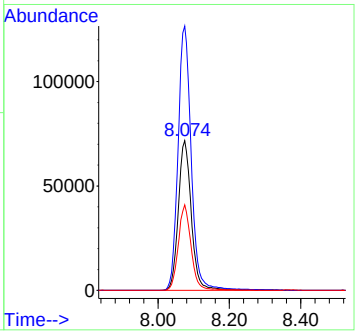


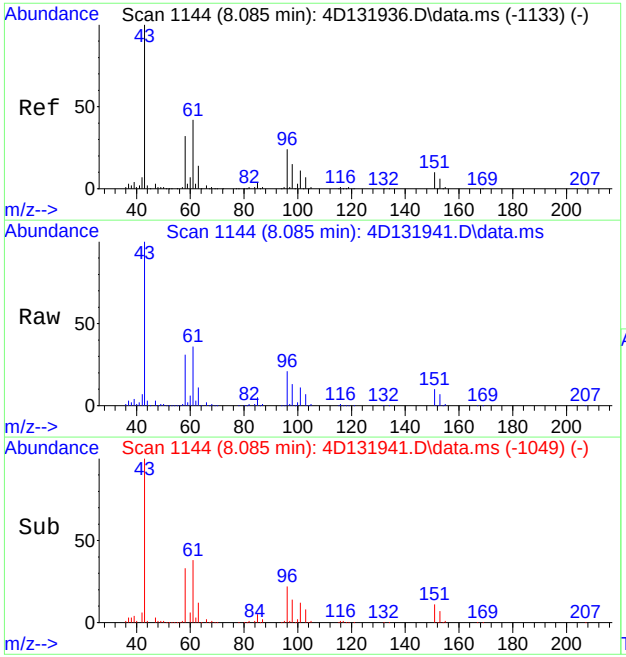


#17
1,1-dichloroethene
Concen: 57.17 ug/L
RT: 8.074 min Scan# 1142
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 96 Resp: 183244

Ion	Ratio	Lower	Upper
96	100		
61	176.8	149.0	209.0
63	57.1	26.1	86.1

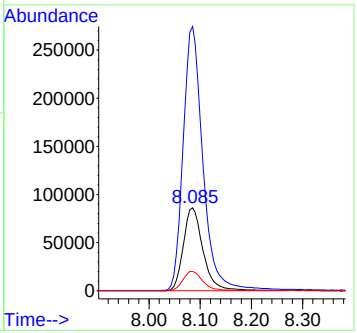


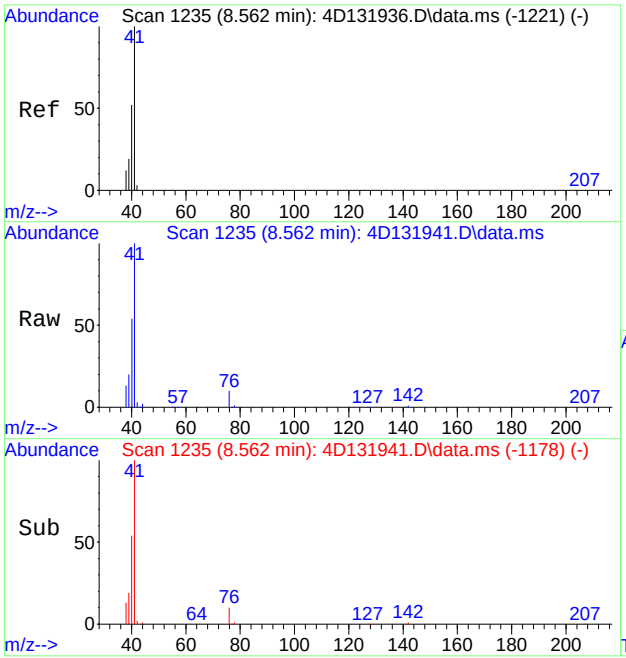


#18
acetone
Concen: 244.76 ug/L
RT: 8.085 min Scan# 1144
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 58 Resp: 232125

Ion	Ratio	Lower	Upper
58	100		
43	317.6	285.1	345.1
42	23.2	0.0	53.5

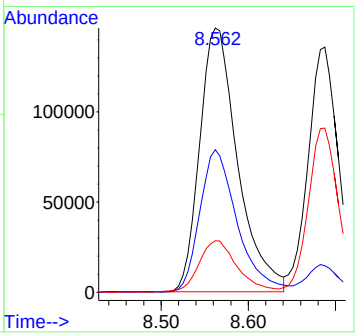


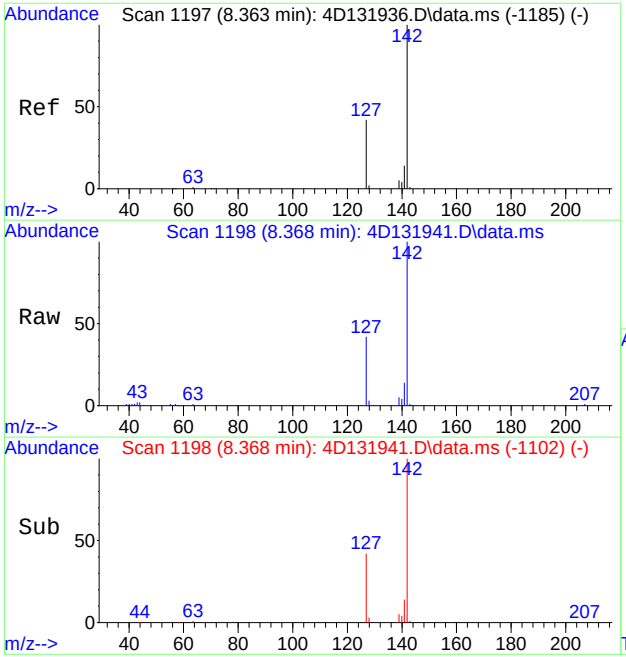


#19
acetonitrile
Concen: 472.42 ug/L
RT: 8.562 min Scan# 1235
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 41 Resp: 444295

Ion	Ratio	Lower	Upper
41	100		
40	53.9	22.4	82.4
39	19.2	0.0	49.2

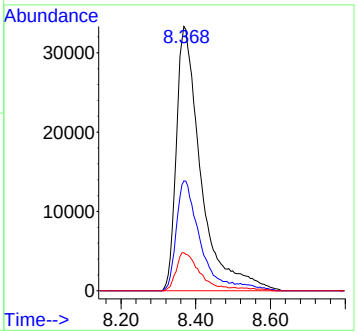


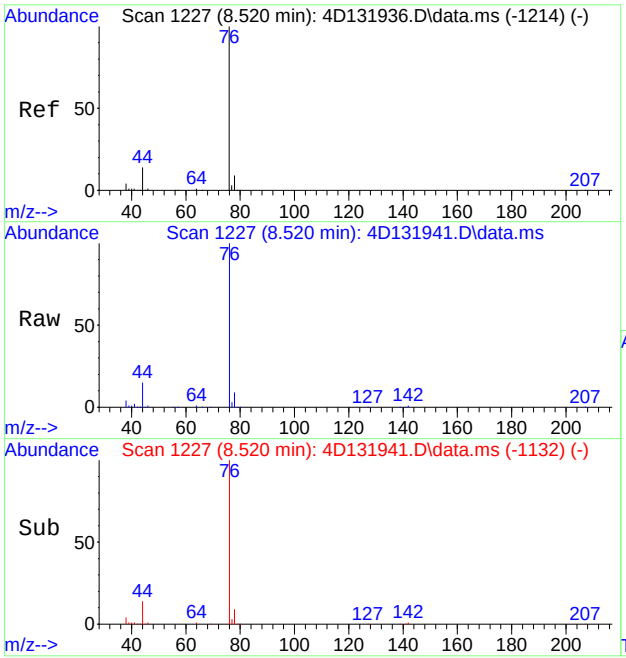


#20
iodomethane
Concen: 32.50 ug/L
RT: 8.368 min Scan# 1198
Delta R.T. 0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:142 Resp: 152259

Ion	Ratio	Lower	Upper
142	100		
127	41.6	11.7	71.7
141	14.5	0.0	44.4

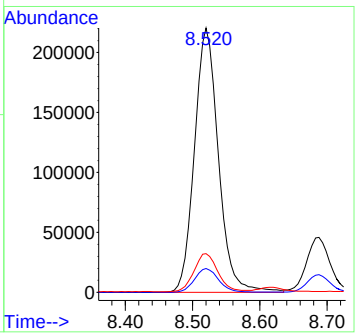


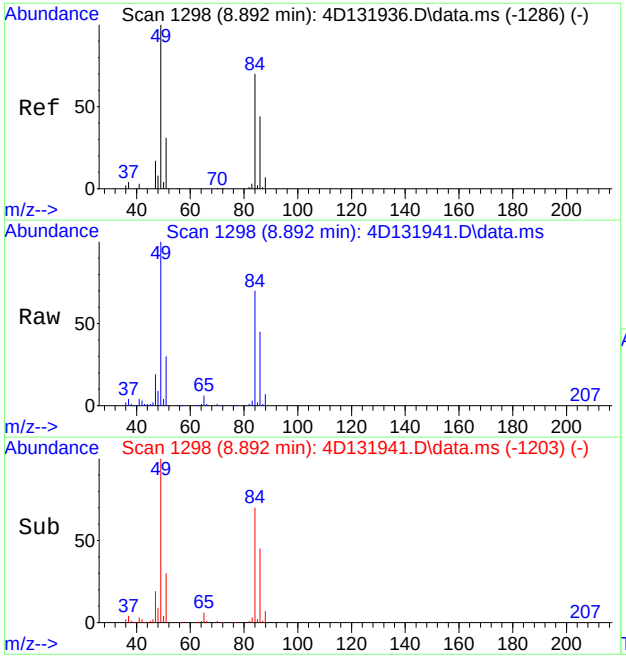


#21
carbon disulfide
Concen: 54.77 ug/L
RT: 8.520 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 76 Resp: 545542

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	39.2
44	14.4	0.0	44.4

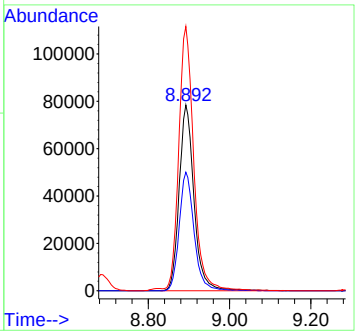


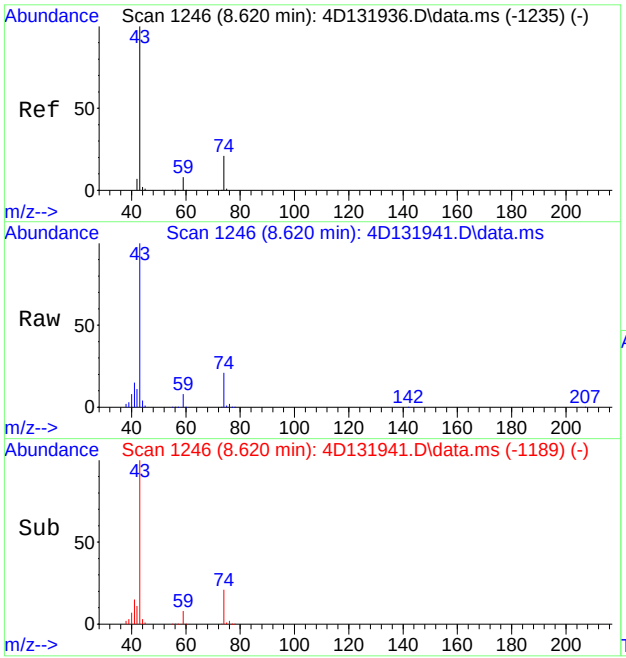


#22
methylene chloride
Concen: 47.08 ug/L
RT: 8.892 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 84 Resp: 200399

Ion	Ratio	Lower	Upper
84	100		
86	63.8	33.7	93.7
49	142.0	114.9	174.9

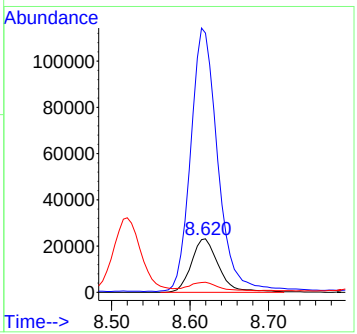


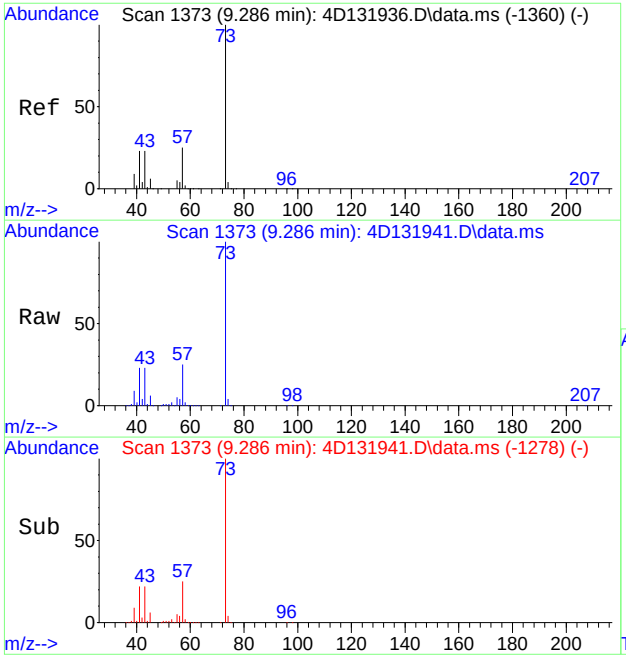


#23
methyl acetate
Concen: 56.63 ug/L
RT: 8.620 min Scan# 1246
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 74 Resp: 56404

Ion	Ratio	Lower	Upper
74	100		
43	480.9	453.1	513.1
44	15.6	0.0	45.1

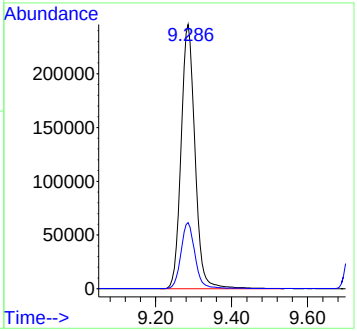


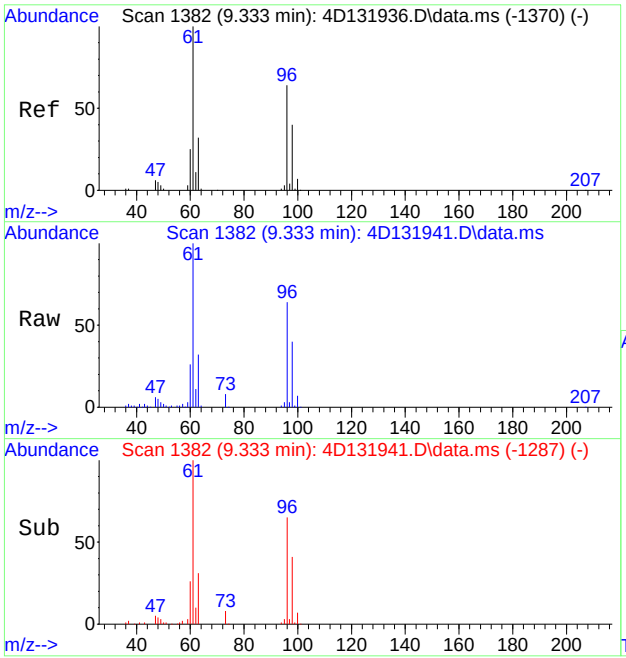


#24
methyl tert butyl ether
Concen: 52.49 ug/L
RT: 9.286 min Scan# 1373
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 73 Resp: 626380

Ion	Ratio	Lower	Upper
73	100		
57	24.9	0.0	224.6

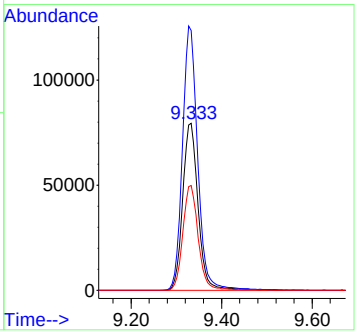


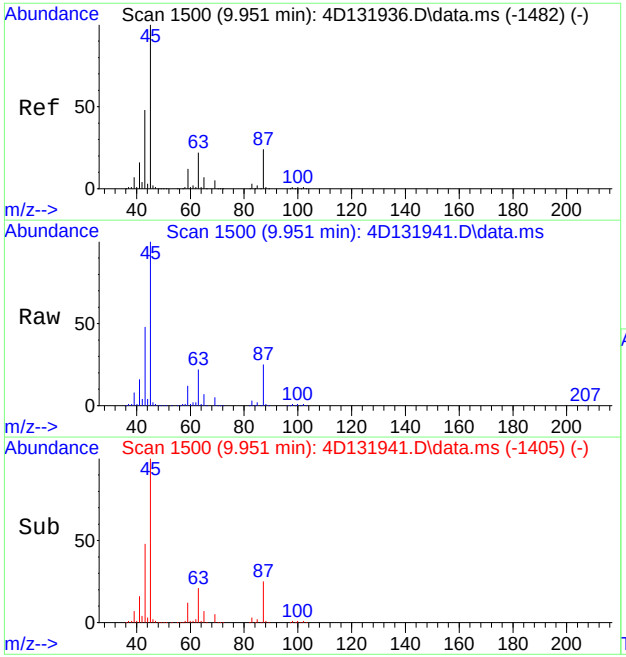


#25
trans-1,2-dichloroethene
Concen: 52.23 ug/L
RT: 9.333 min Scan# 1382
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 96 Resp: 188771

Ion	Ratio	Lower	Upper
96	100		
61	155.5	126.5	186.5
98	62.8	33.3	93.3

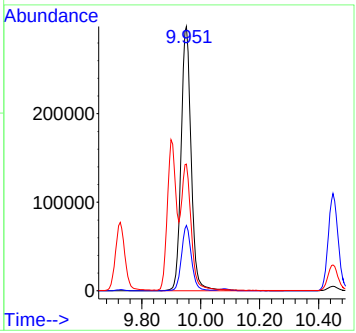


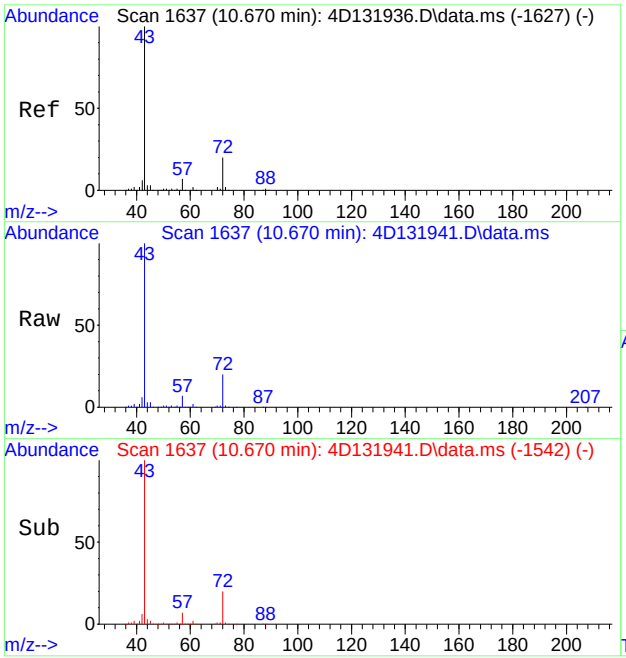


#26
di-isopropyl ether
Concen: 49.76 ug/L
RT: 9.951 min Scan# 1500
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 45 Resp: 707371

Ion	Ratio	Lower	Upper
45	100		
87	24.8	0.0	54.4
43	47.8	18.8	78.8

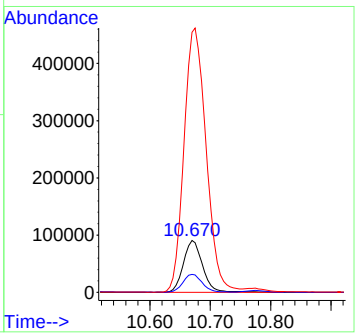


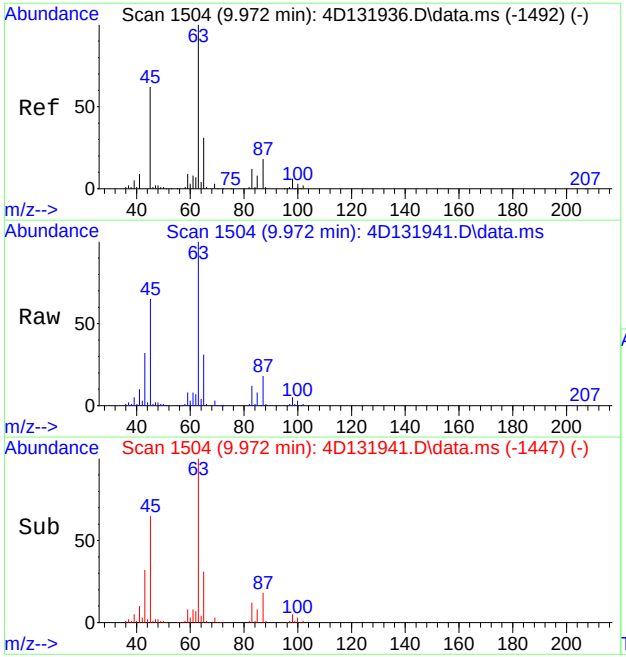


#27
2-butanone
Concen: 233.87 ug/L
RT: 10.670 min Scan# 1637
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 72 Resp: 201686

Ion	Ratio	Lower	Upper
72	100		
57	34.4	3.7	63.7
43	501.0	475.8	535.8

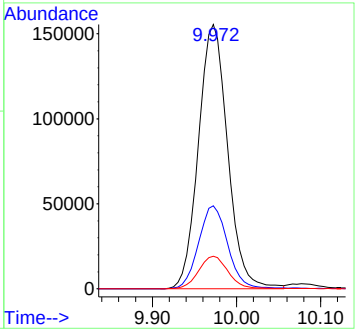


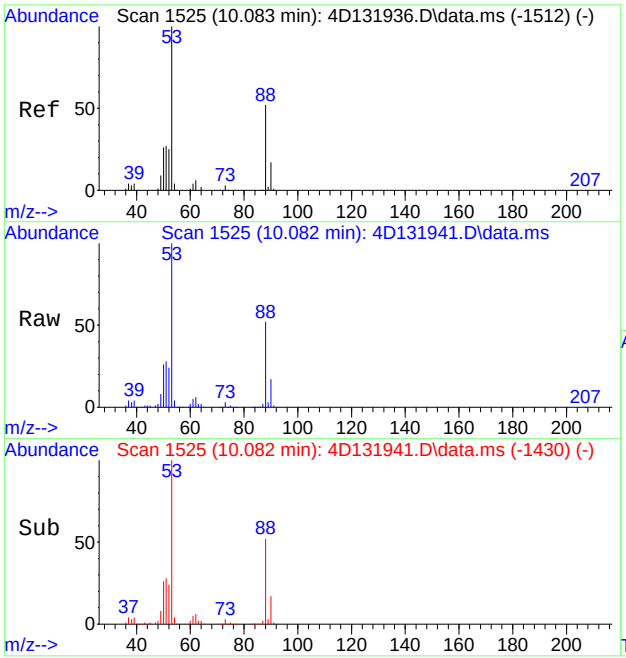


#28
1,1-dichloroethane
Concen: 51.47 ug/L
RT: 9.972 min Scan# 1504
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 63 Resp: 376212

Ion	Ratio	Lower	Upper
63	100		
65	31.3	0.9	60.9
83	12.3	0.0	42.3

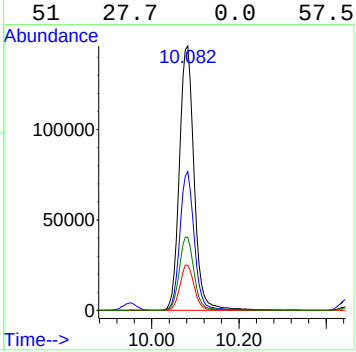


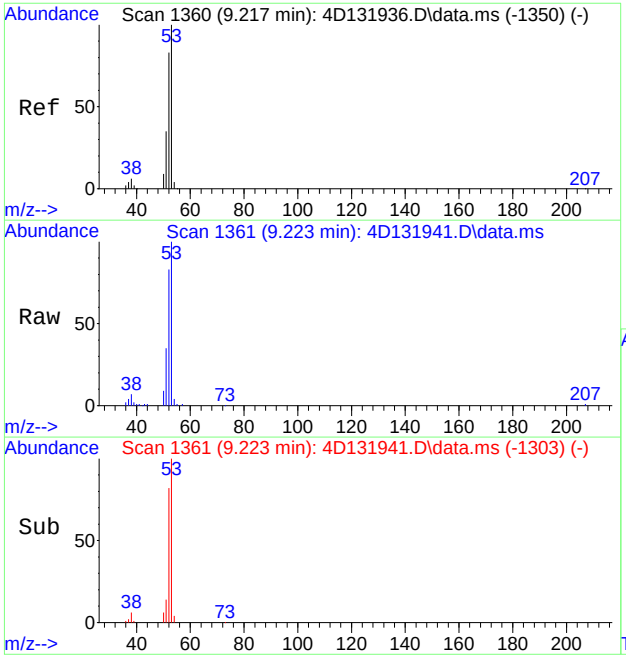


#29
chloroprene
Concen: 51.92 ug/L
RT: 10.082 min Scan# 1525
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 53 Resp: 343862

Ion	Ratio	Lower	Upper
53	100		
88	52.4	21.8	81.8
90	17.1	0.0	47.2
51	27.7	0.0	57.5

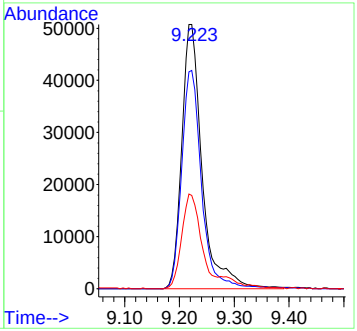


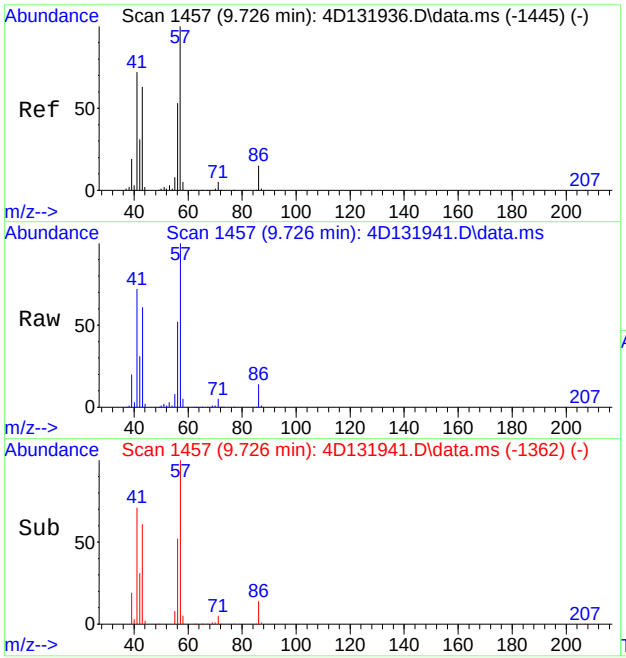


#30
acrylonitrile
Concen: 53.09 ug/L
RT: 9.223 min Scan# 1361
Delta R.T. 0.006 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 53 Resp: 131720

Ion	Ratio	Lower	Upper
53	100		
52	82.5	53.4	113.4
51	35.3	5.0	65.0

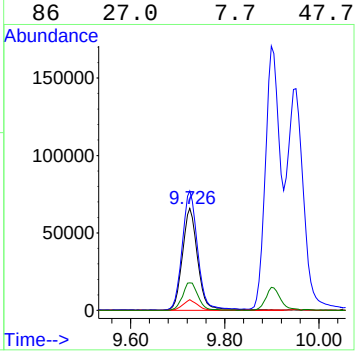


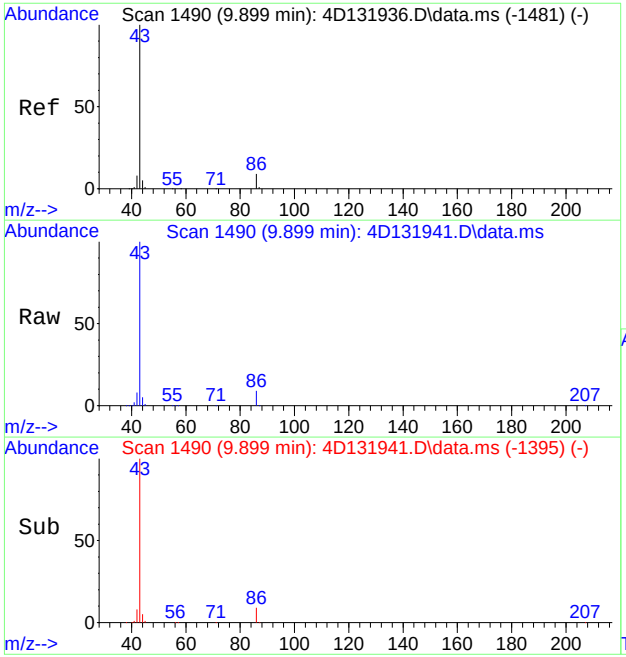


#31
hexane
Concen: 43.97 ug/L
RT: 9.726 min Scan# 1457
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 56 Resp: 149658

Ion	Ratio	Lower	Upper
56	100		
43	116.9	98.5	138.5
71	10.4	0.0	30.3
86	27.0	7.7	47.7

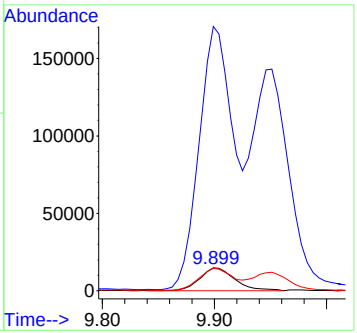


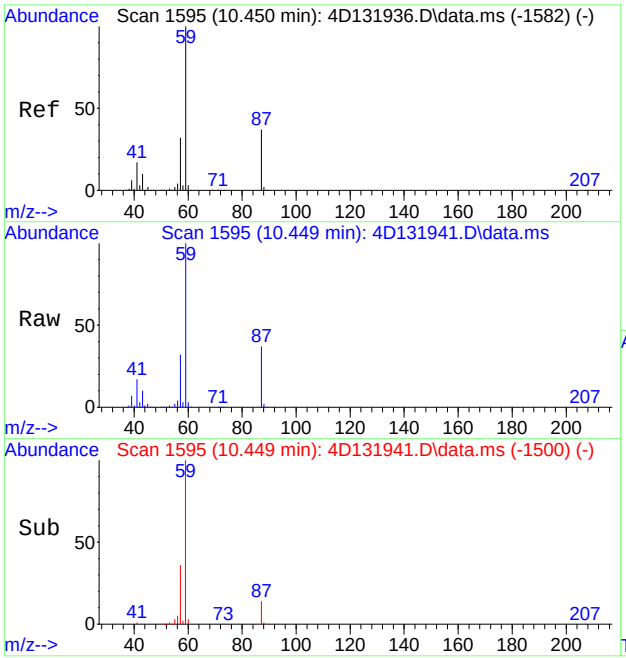


#32
vinyl acetate
Concen: 39.02 ug/L
RT: 9.899 min Scan# 1490
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 86 Resp: 32441

Ion	Ratio	Lower	Upper
86	100		
43	1147.4	1142.7	1202.7
42	96.0	69.4	129.4

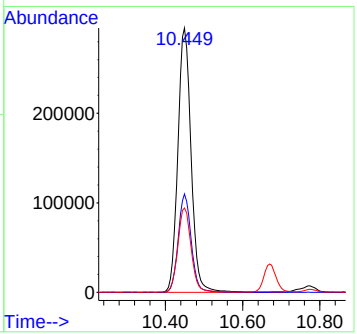


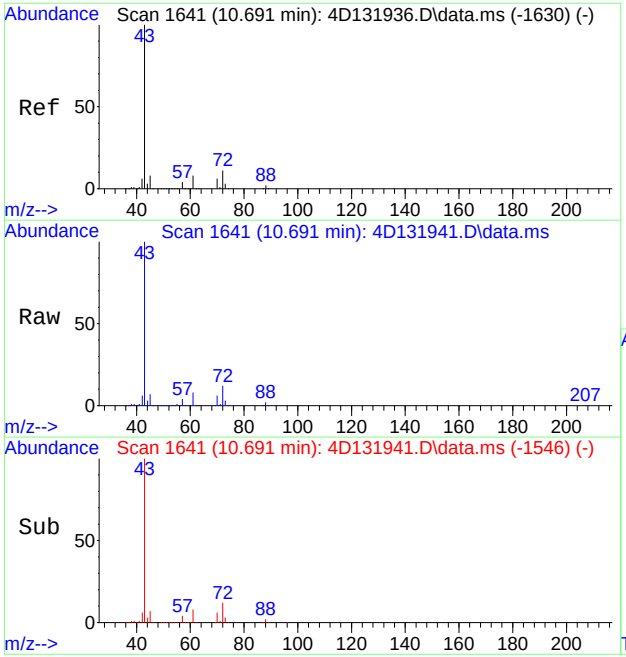


#33
ethyl tert-butyl ether
Concen: 49.67 ug/L
RT: 10.449 min Scan# 1595
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 59 Resp: 702878

Ion	Ratio	Lower	Upper
59	100		
87	37.3	6.6	66.6
57	31.8	2.2	62.2

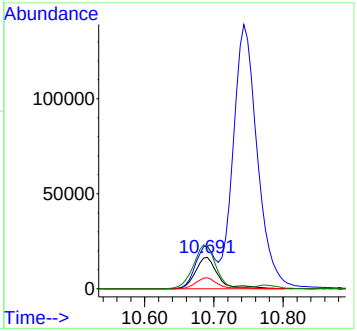


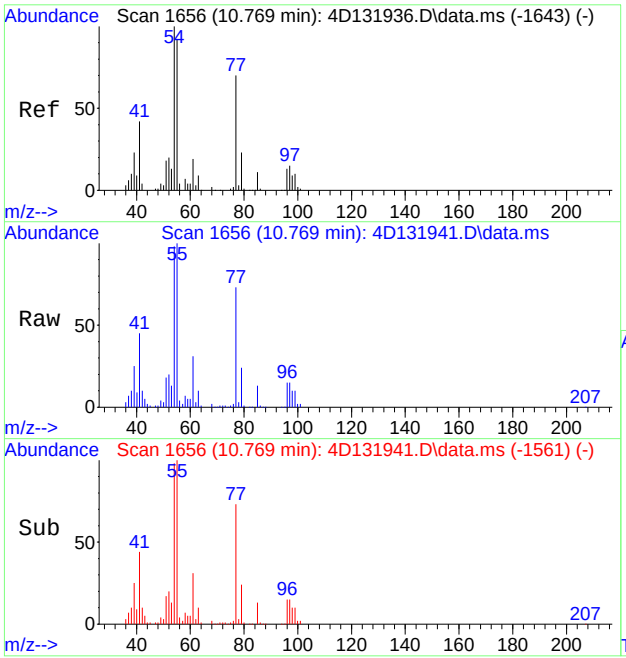


#34
ethyl acetate
Concen: 46.57 ug/L
RT: 10.691 min Scan# 1641
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 70 Resp: 38194

Ion	Ratio	Lower	Upper
70	100		
61	135.0	108.4	168.4
88	35.1	5.9	65.9
45	133.0	110.6	170.6

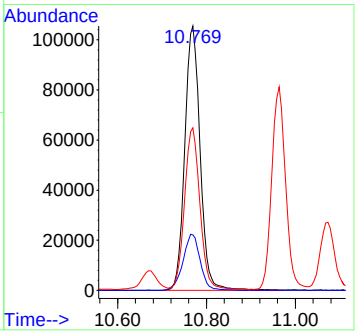


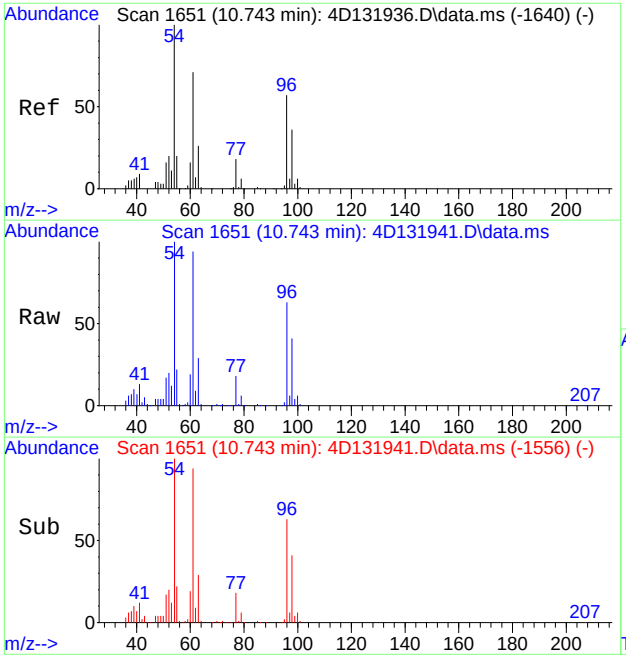


#35
2,2-dichloropropane
Concen: 44.39 ug/L
RT: 10.769 min Scan# 1656
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 77 Resp: 254251

Ion	Ratio	Lower	Upper
77	100		
97	21.0	0.0	51.9
41	59.0	29.6	89.6

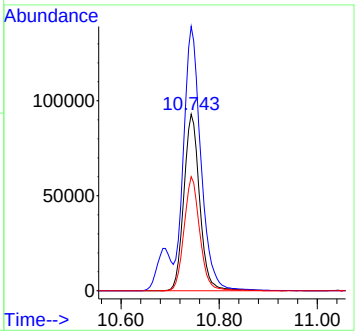


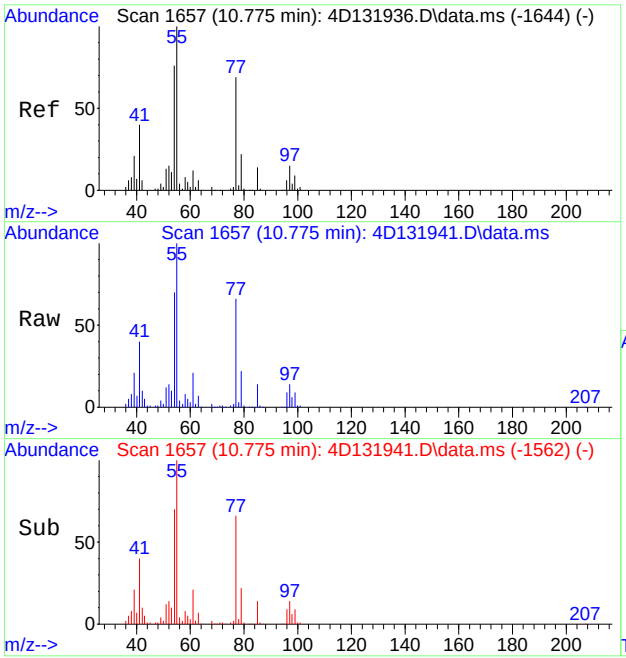


#36
cis-1,2-dichloroethene
Concen: 49.62 ug/L
RT: 10.743 min Scan# 1651
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 96 Resp: 209246

Ion	Ratio	Lower	Upper
96	100		
61	149.5	119.6	179.6
98	64.6	34.3	94.3

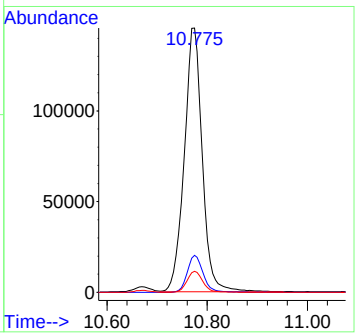


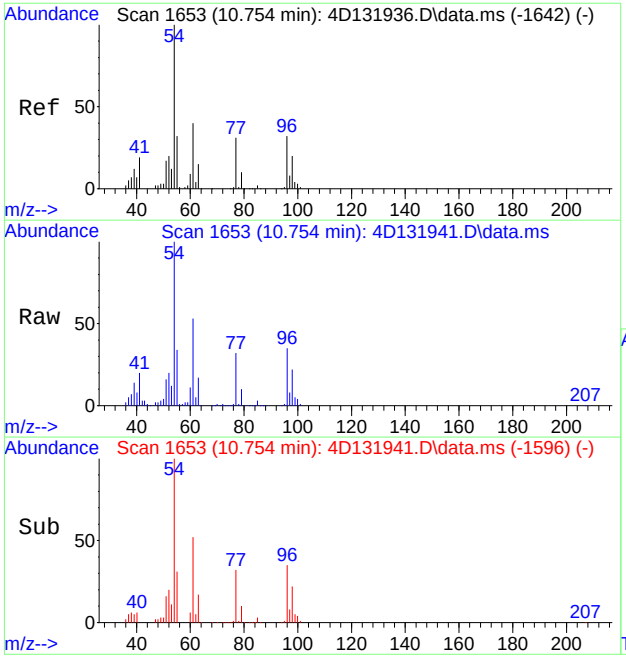


#37
methyl acrylate
Concen: 48.09 ug/L
RT: 10.775 min Scan# 1657
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 55 Resp: 363058

Ion	Ratio	Lower	Upper
55	100		
85	14.1	0.0	43.7
58	8.0	0.0	38.0

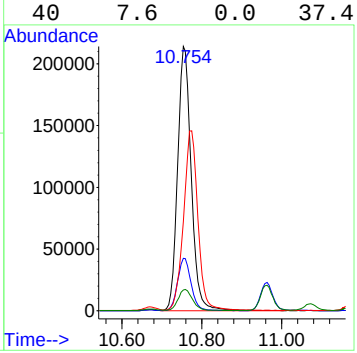


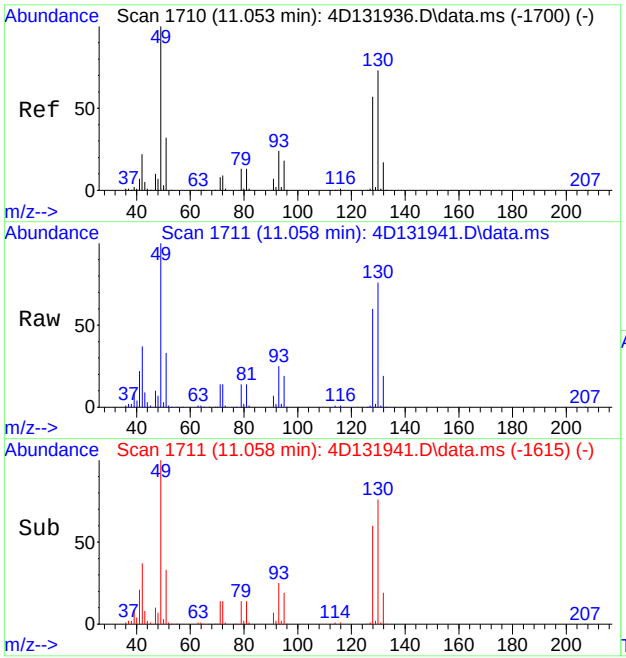


#38
propionitrile
Concen: 458.29 ug/L
RT: 10.754 min Scan# 1653
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 54 Resp: 504891

Ion	Ratio	Lower	Upper
54	100		
52	19.7	0.0	49.8
55	33.4	2.6	62.6
40	7.6	0.0	37.4

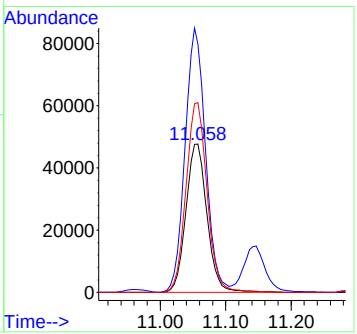


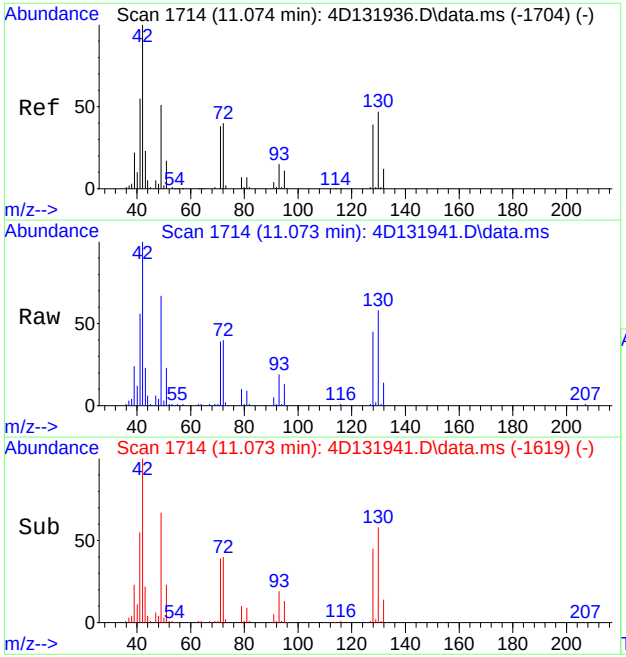


#39
bromochloromethane
Concen: 50.77 ug/L
RT: 11.058 min Scan# 1711
Delta R.T. 0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:128 Resp: 107008

Ion	Ratio	Lower	Upper
128	100		
49	167.6	145.9	205.9
130	128.0	97.8	157.8

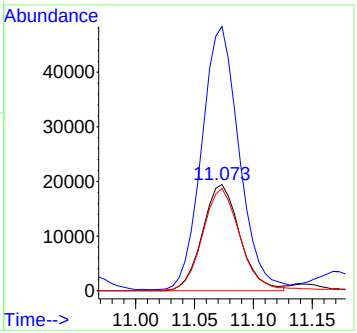


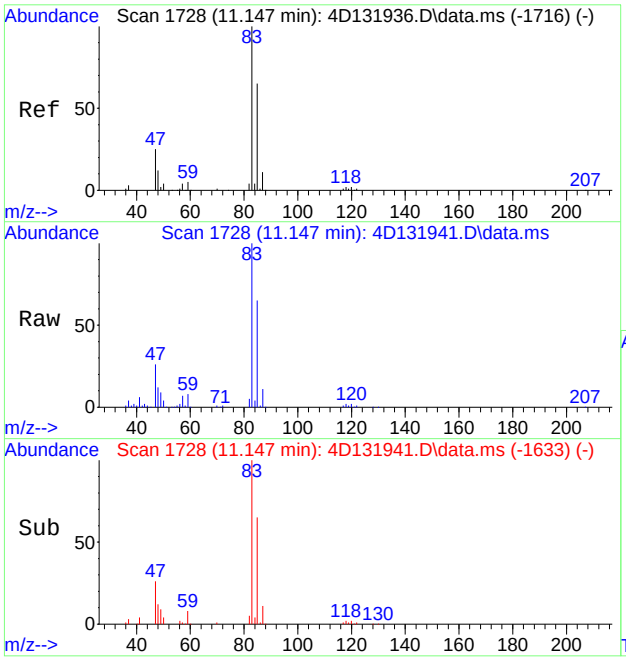


#40
tetrahydrofuran
Concen: 48.38 ug/L
RT: 11.073 min Scan# 1714
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 72 Resp: 43117

Ion	Ratio	Lower	Upper
72	100		
42	247.7	219.9	279.9
71	96.3	66.1	126.1

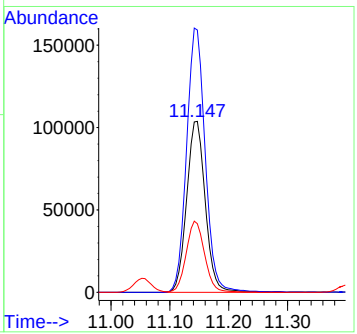


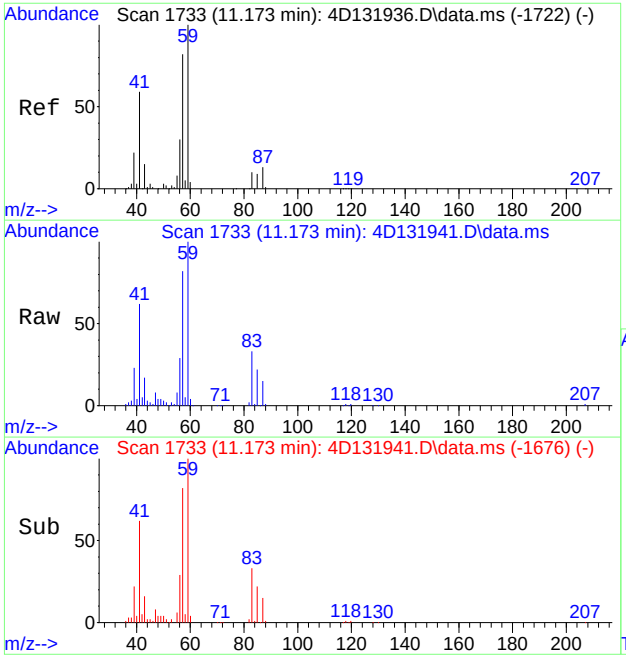


#41
chloroform
Concen: 54.94 ug/L
RT: 11.147 min Scan# 1728
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 85 Resp: 229758

Ion	Ratio	Lower	Upper
85	100		
83	153.4	123.5	183.5
47	40.1	9.8	69.8

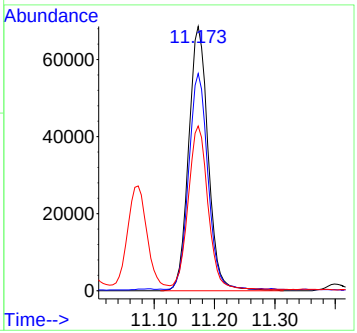


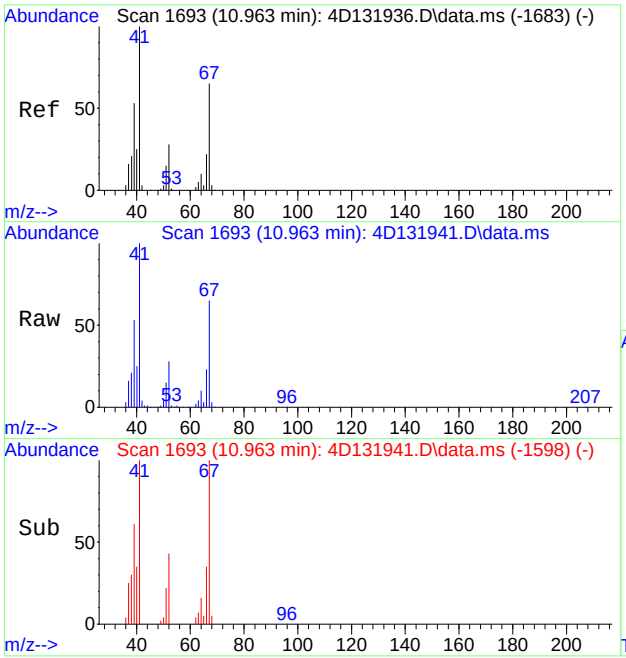


#42
t-butyl formate
Concen: 83.44 ug/L
RT: 11.173 min Scan# 1733
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 59 Resp: 153908

Ion	Ratio	Lower	Upper
59	100		
57	81.6	51.8	111.8
41	61.8	32.4	92.4

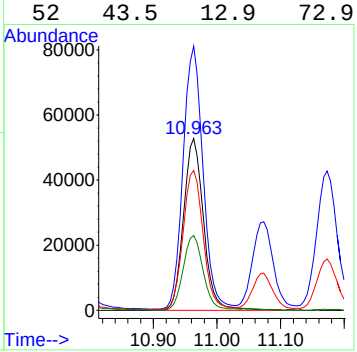


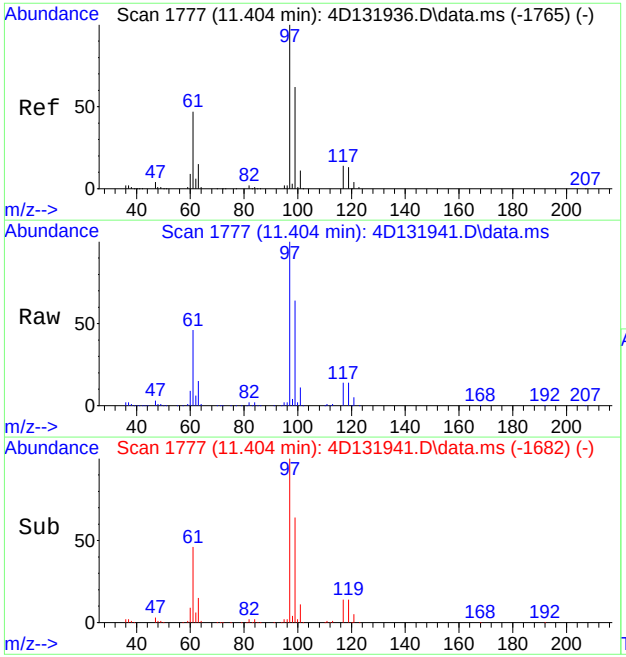


#44
methacrylonitrile
Concen: 48.68 ug/L
RT: 10.963 min Scan# 1693
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 67 Resp: 115660

Ion	Ratio	Lower	Upper
67	100		
41	152.9	123.0	183.0
39	80.8	50.9	110.9
52	43.5	12.9	72.9

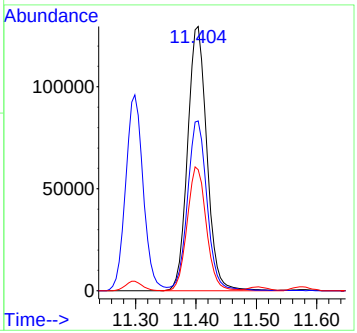


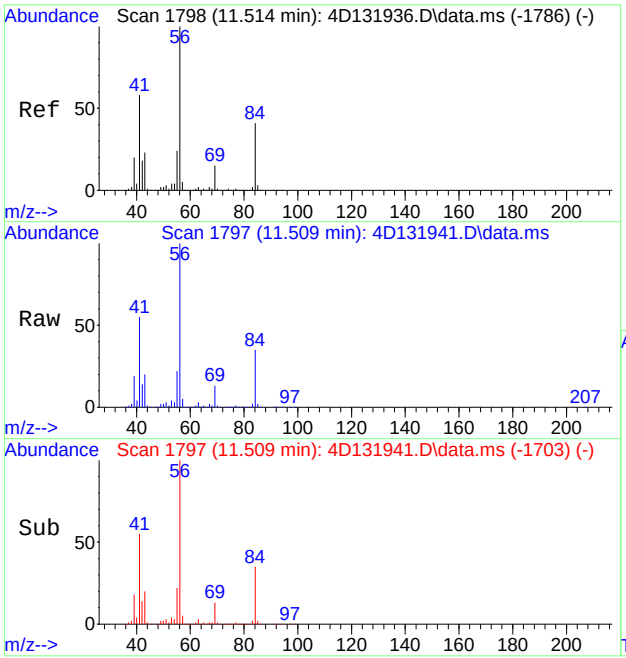


#45
1,1,1-trichloroethane
Concen: 49.71 ug/L
RT: 11.404 min Scan# 1777
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 97 Resp: 288631

Ion	Ratio	Lower	Upper
97	100		
99	64.1	34.4	94.4
61	45.7	16.6	76.6

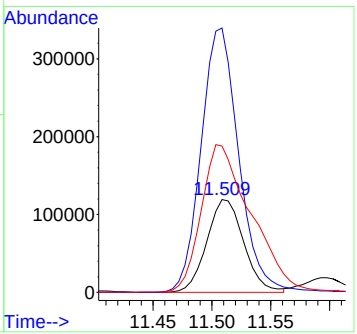


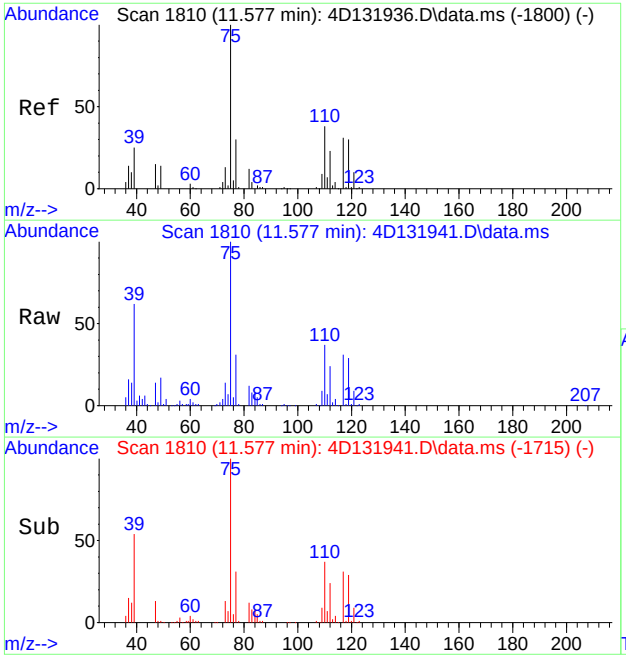


#46
cyclohexane
Concen: 49.83 ug/L
RT: 11.509 min Scan# 1797
Delta R.T. -0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 84 Resp: 260666

Ion	Ratio	Lower	Upper
84	100		
56	284.7	225.3	265.3#
41	157.4	121.5	161.5

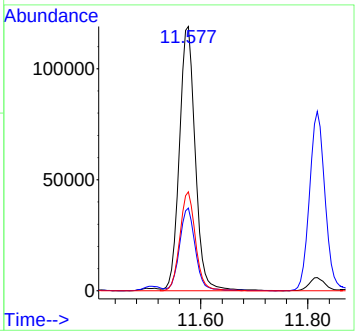


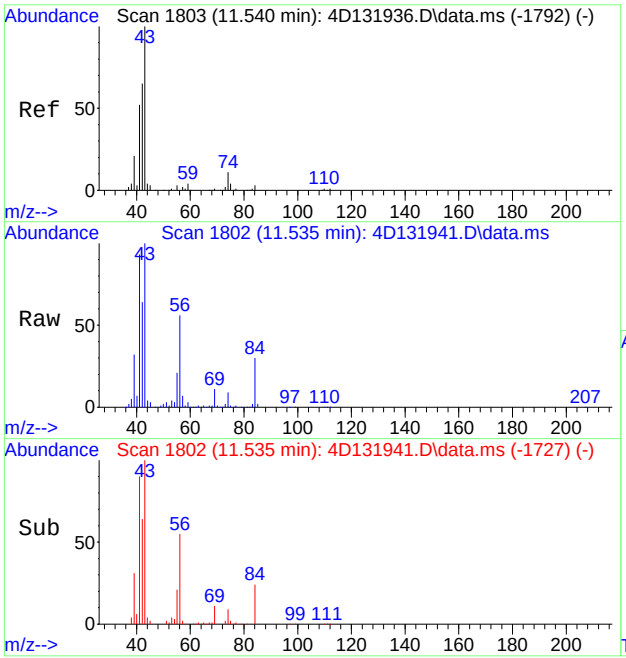


#47
1,1-dichloropropene
Concen: 50.34 ug/L
RT: 11.577 min Scan# 1810
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 75 Resp: 245925

Ion	Ratio	Lower	Upper
75	100		
77	31.3	11.0	51.0
110	37.4	17.6	57.6

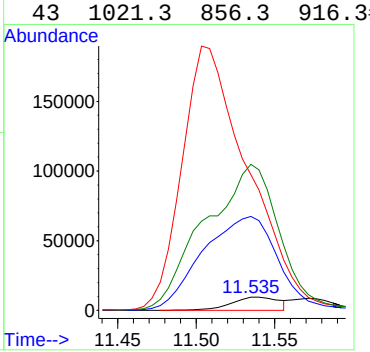


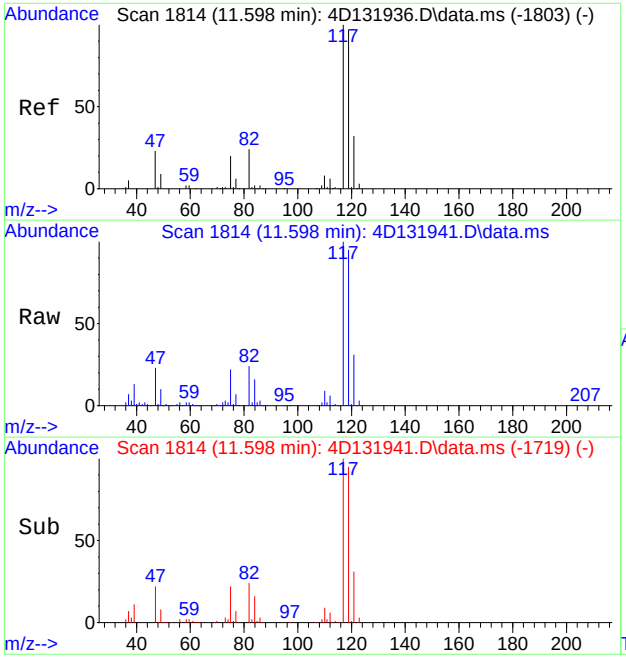


#48
isobutyl alcohol
Concen: 453.68 ug/L
RT: 11.535 min Scan# 1802
Delta R.T. -0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 74 Resp: 20419

Ion	Ratio	Lower	Upper
74	100		
42	672.4	546.1	606.1#
41	811.7	593.5	653.5#
43	1021.3	856.3	916.3#

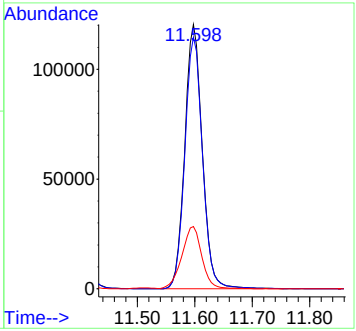


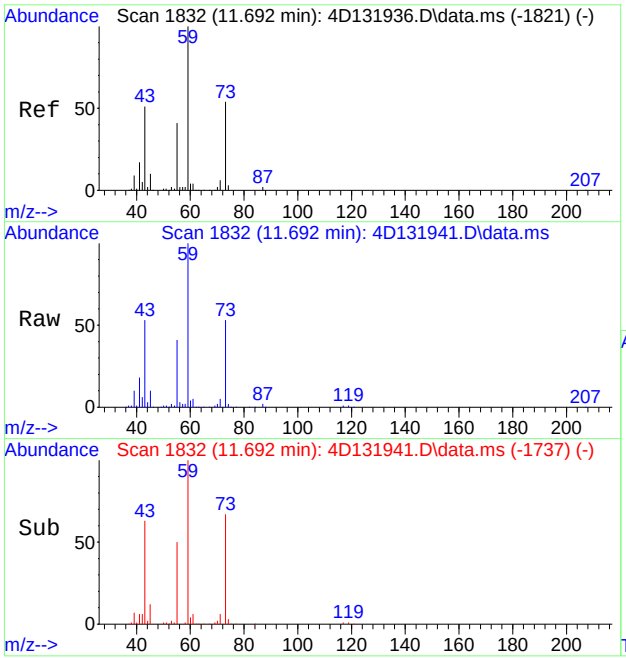


#49
carbon tetrachloride
Concen: 51.18 ug/L
RT: 11.598 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:117 Resp: 255854

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.2	117.2
82	23.6	4.2	44.2

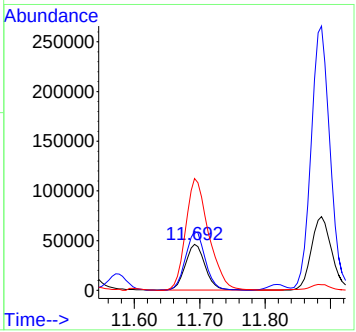


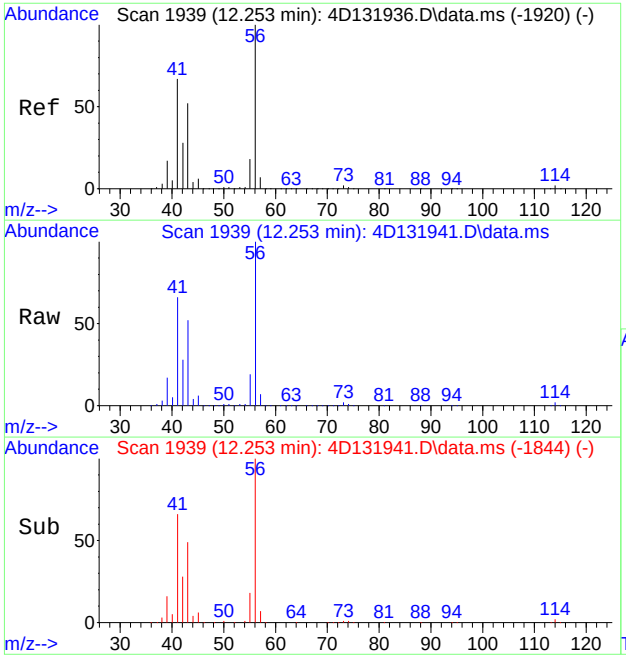


#50
tert amyl alcohol
Concen: 230.85 ug/L
RT: 11.692 min Scan# 1832
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 55 Resp: 97563

Ion	Ratio	Lower	Upper
55	100		
73	127.7	100.3	160.3
59	243.5	213.3	273.3

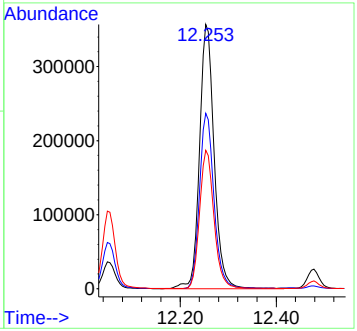


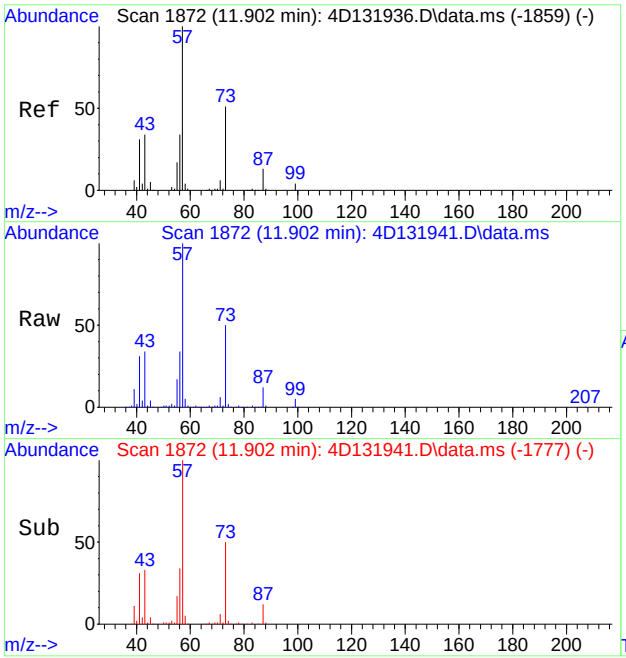


#53
n-butyl alcohol
Concen: 2369.07 ug/L
RT: 12.253 min Scan# 1939
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 56 Resp: 753853

Ion	Ratio	Lower	Upper
56	100		
41	66.3	36.6	96.6
43	52.2	22.4	82.4

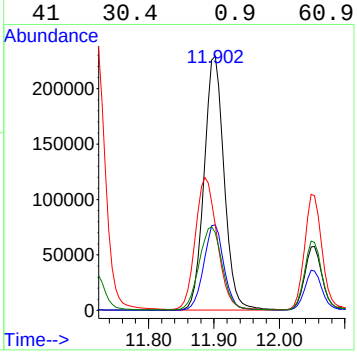


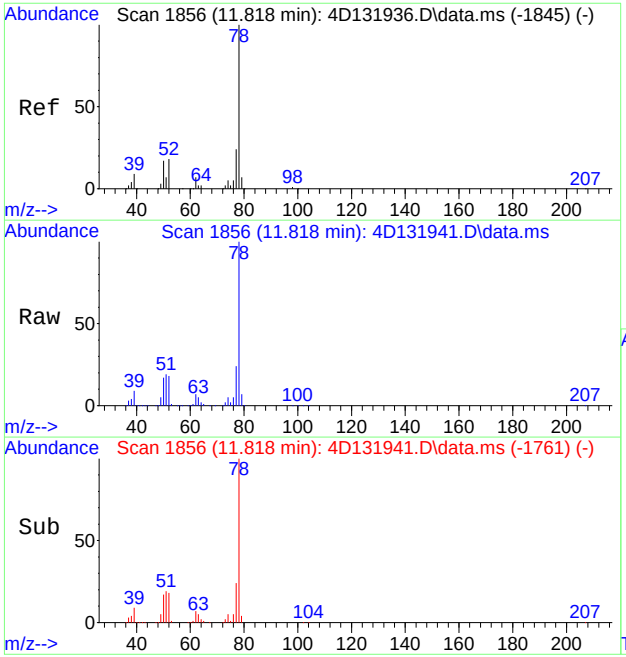


#54
2,2,4-trimethylpentane
Concen: 45.35 ug/L
RT: 11.902 min Scan# 1872
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 57 Resp: 488480

Ion	Ratio	Lower	Upper
57	100		
56	33.5	3.6	63.6
43	33.3	4.6	64.6
41	30.4	0.9	60.9

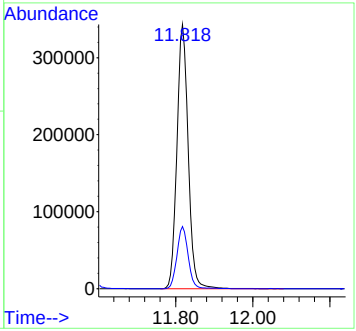


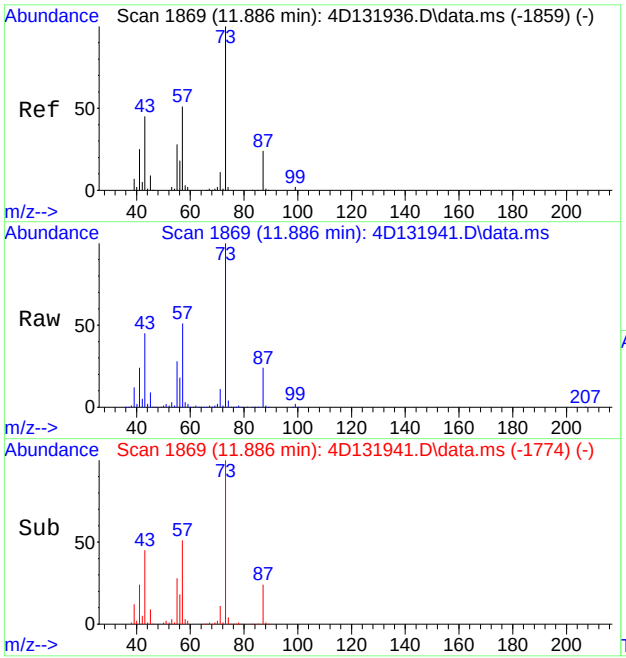


#55
benzene
Concen: 49.32 ug/L
RT: 11.818 min Scan# 1856
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 78 Resp: 697518

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	53.7

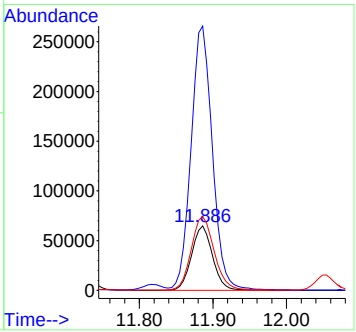


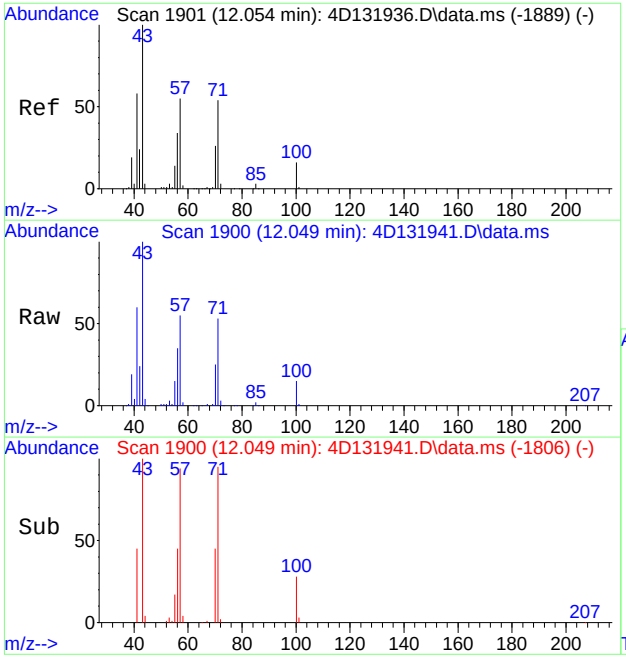


#56
tert-amyl methyl ether
Concen: 47.77 ug/L
RT: 11.886 min Scan# 1869
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 87 Resp: 128984

Ion	Ratio	Lower	Upper
87	100		
73	409.5	382.6	442.6
55	114.0	85.4	145.4

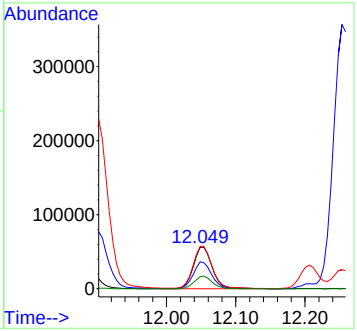


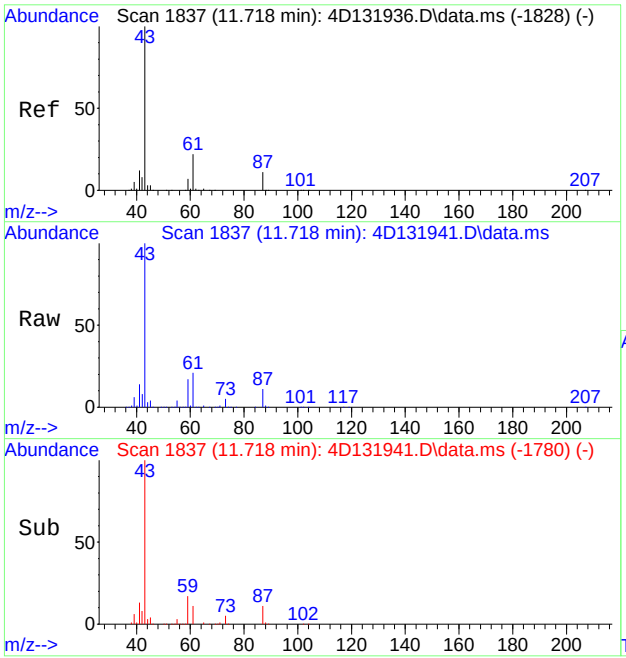


#57
heptane
Concen: 45.46 ug/L
RT: 12.049 min Scan# 1900
Delta R.T. -0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 71 Resp: 106636

Ion	Ratio	Lower	Upper
71	100		
56	64.2	33.0	93.0
57	101.0	72.2	132.2
100	29.0	0.3	60.3

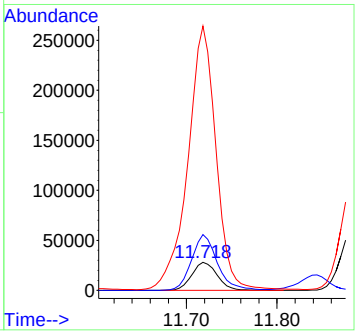


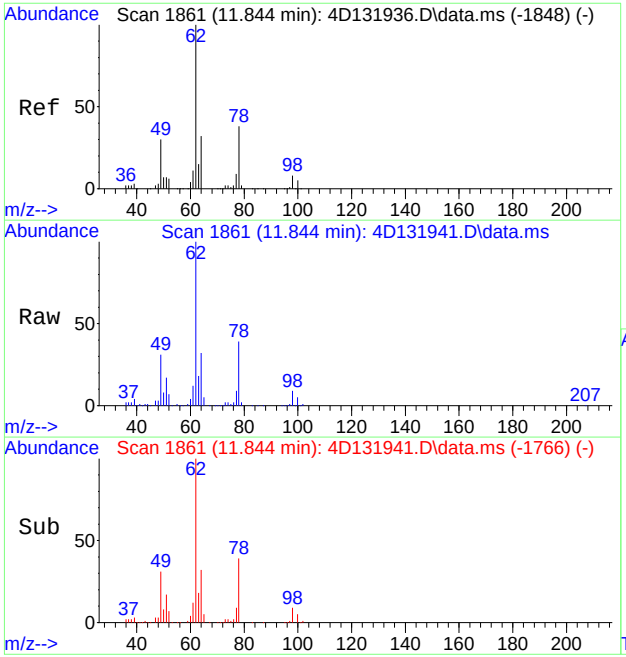


#58
isopropyl acetate
Concen: 50.84 ug/L
RT: 11.718 min Scan# 1837
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 87 Resp: 54718

Ion	Ratio	Lower	Upper
87	100		
61	197.6	170.1	230.1
43	932.1	919.0	979.0

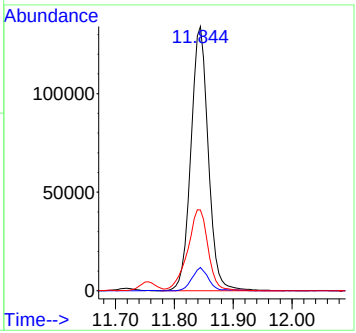


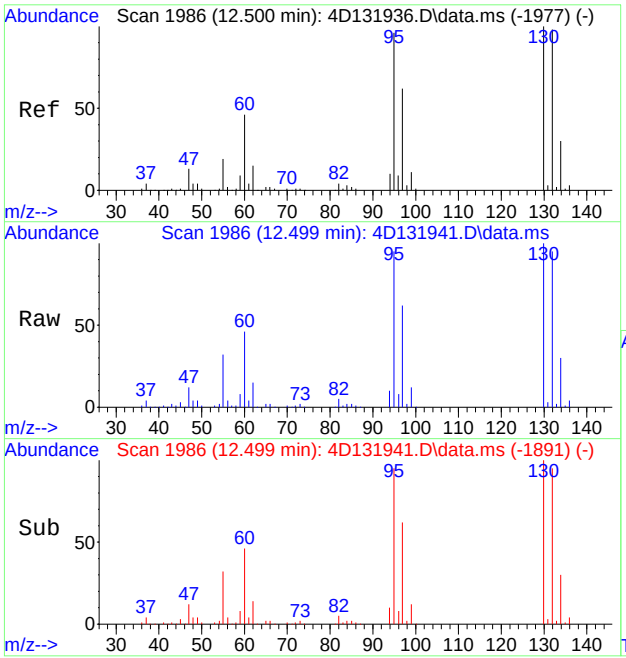


#59
1,2-dichloroethane
Concen: 46.98 ug/L
RT: 11.844 min Scan# 1861
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 62 Resp: 275574

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	38.5
49	30.5	1.1	61.1

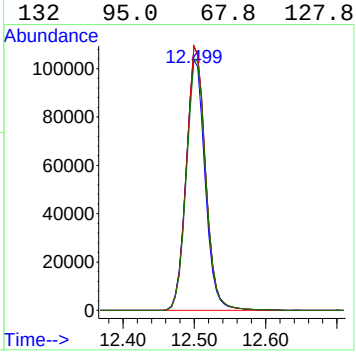


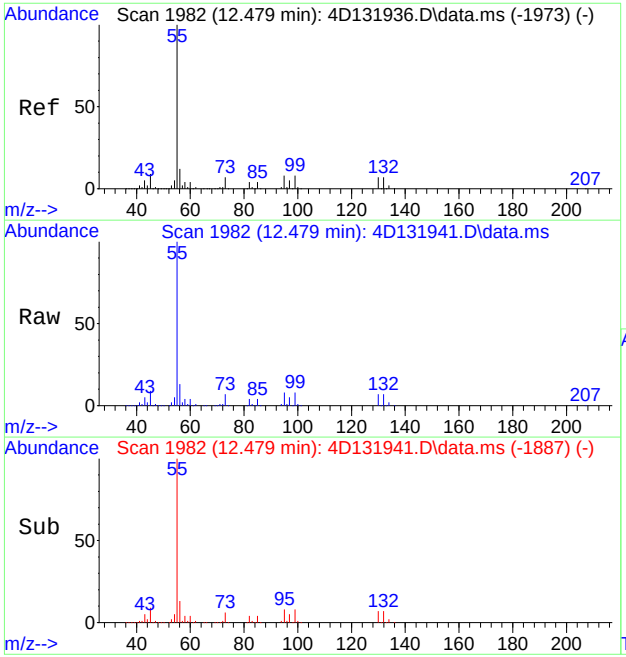


#60
trichloroethene
Concen: 52.15 ug/L
RT: 12.499 min Scan# 1986
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:130 Resp: 204081

Ion	Ratio	Lower	Upper
130	100		
95	94.7	65.8	125.8
130	100.0	70.0	130.0
132	95.0	67.8	127.8

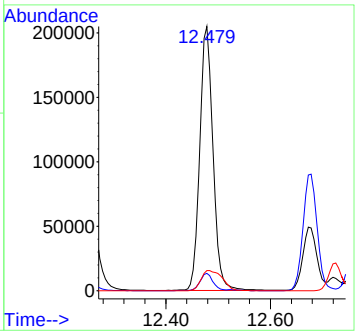


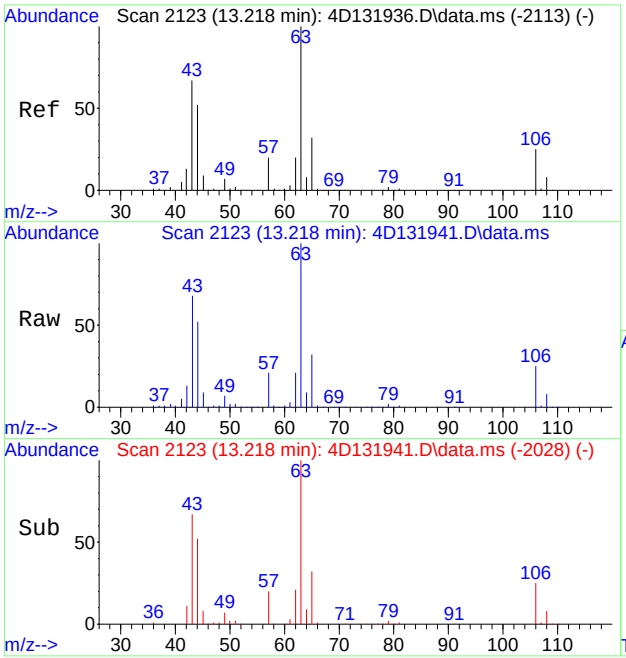


#61
ethyl acrylate
Concen: 47.96 ug/L
RT: 12.479 min Scan# 1982
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 55 Resp: 360661

Ion	Ratio	Lower	Upper
55	100		
73	6.6	0.0	26.5
99	7.6	0.0	27.5

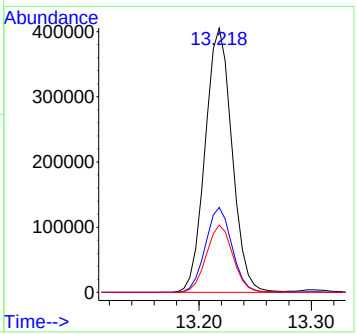


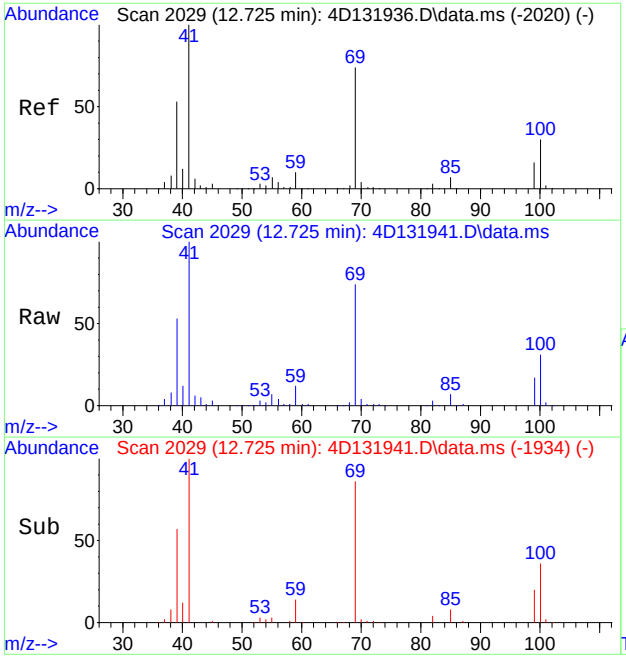


#63
2-chloroethyl vinyl ether
Concen: 311.83 ug/L
RT: 13.218 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 63 Resp: 679078

Ion	Ratio	Lower	Upper
63	100		
65	32.1	1.7	61.7
106	25.4	0.0	55.3

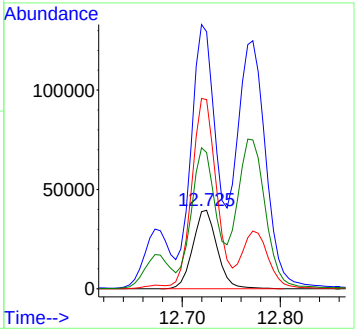


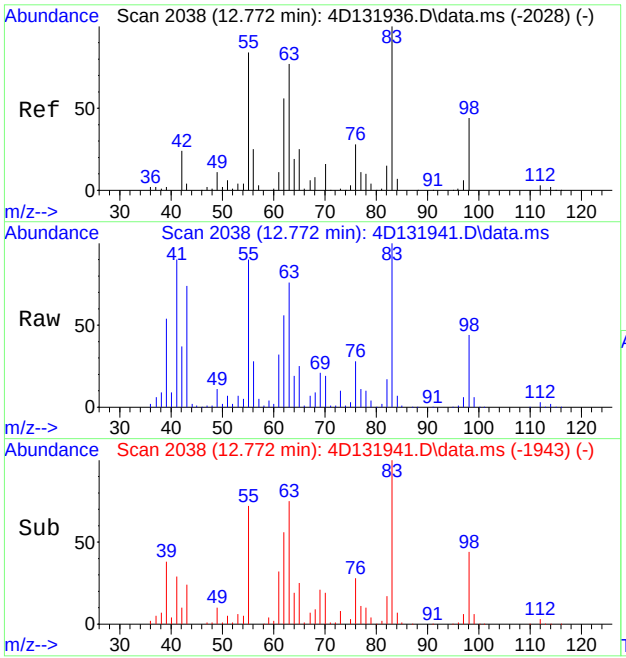


#64
methyl methacrylate
Concen: 50.48 ug/L
RT: 12.725 min Scan# 2029
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:100 Resp: 68110

Ion	Ratio	Lower	Upper
100	100		
41	307.0	304.3	364.3
69	237.1	217.8	277.8
39	162.2	148.5	208.5

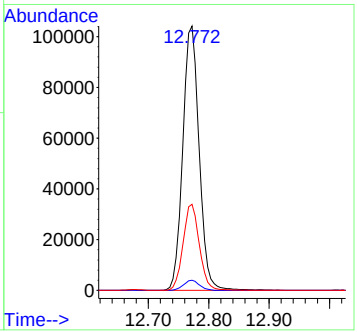


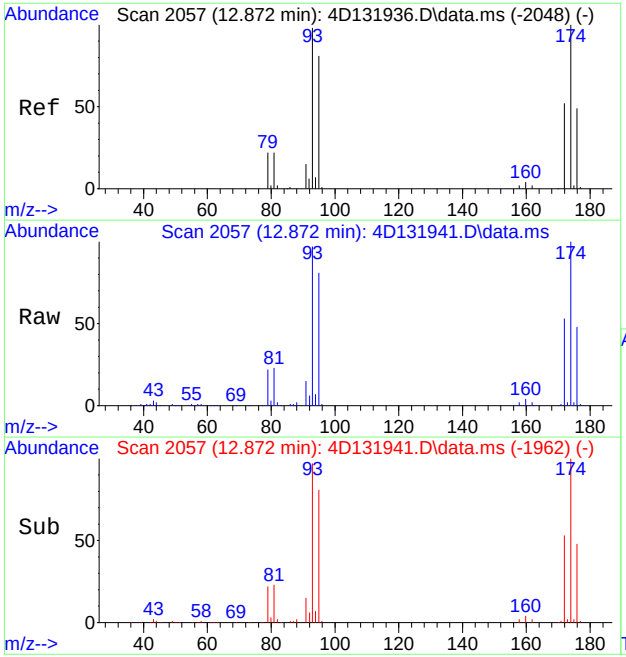


#65
1,2-dichloropropane
Concen: 48.66 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 63 Resp: 196798

Ion	Ratio	Lower	Upper
63	100		
112	3.8	0.0	33.7
65	32.5	1.9	61.9

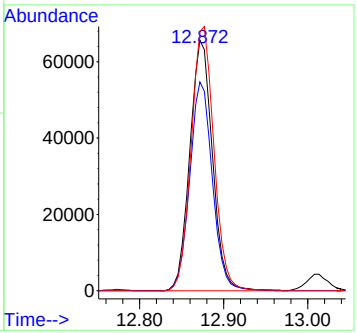


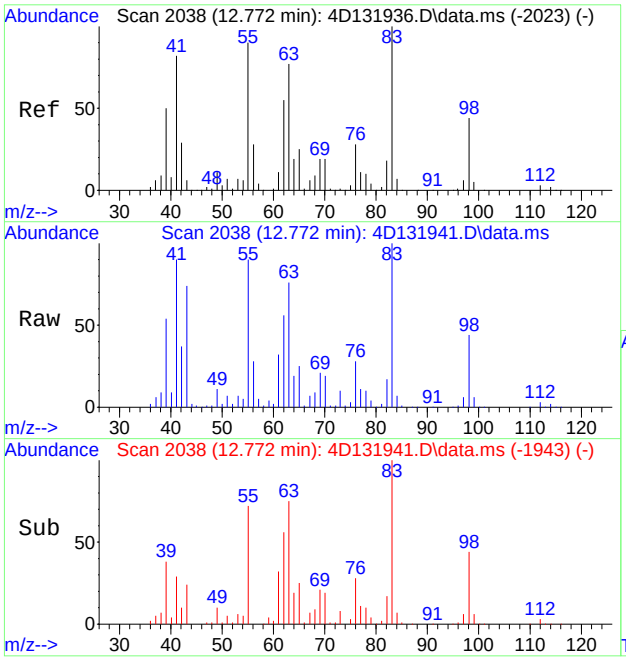


#66
dibromomethane
Concen: 48.22 ug/L
RT: 12.872 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 93 Resp: 122826

Ion	Ratio	Lower	Upper
93	100		
95	83.3	52.6	112.6
174	103.3	72.4	132.4

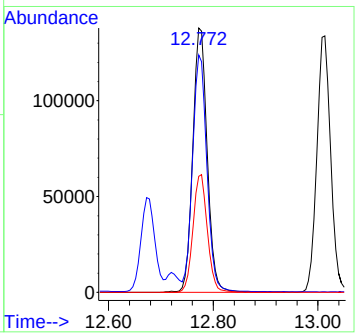


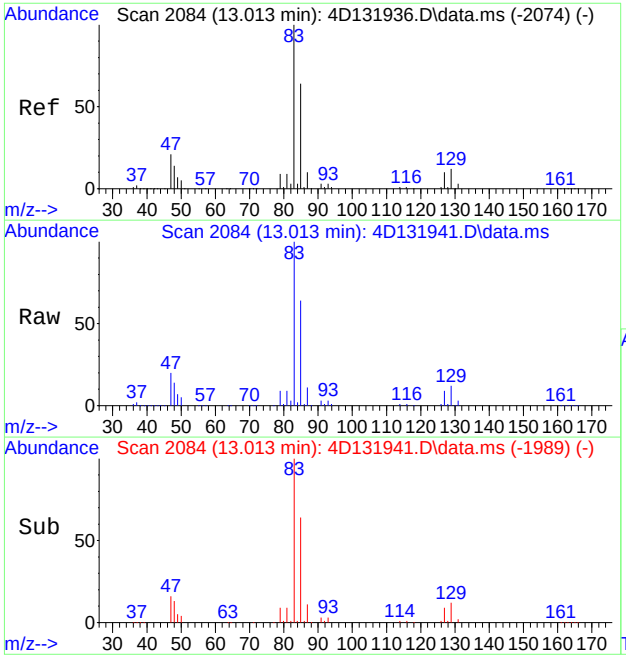


#67
methylcyclohexane
Concen: 47.38 ug/L
RT: 12.772 min Scan# 2038
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 83 Resp: 264516

Ion	Ratio	Lower	Upper
83	100		
55	89.4	60.5	120.5
98	43.9	14.1	74.1

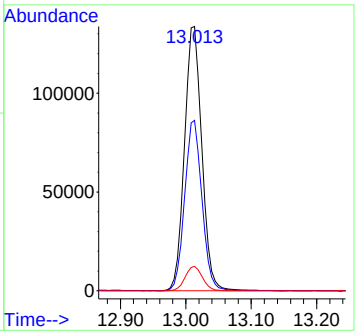


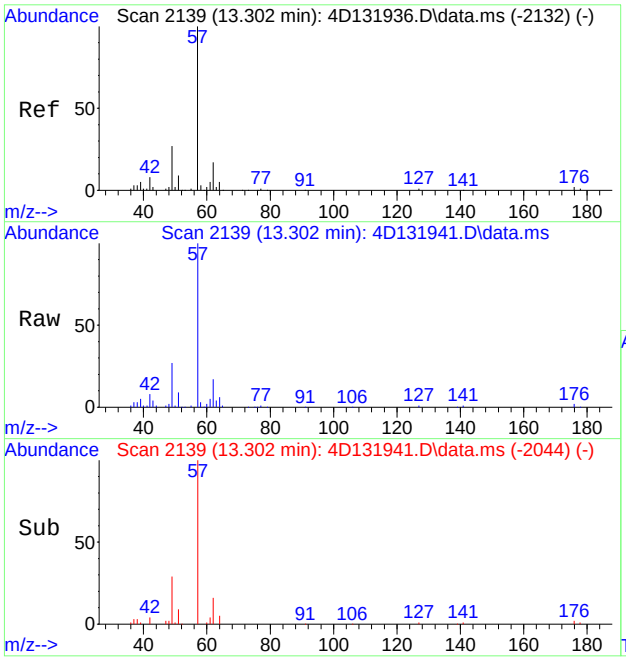


#68
bromodichloromethane
Concen: 47.47 ug/L
RT: 13.013 min Scan# 2084
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 83 Resp: 247137

Ion	Ratio	Lower	Upper
83	100		
85	64.4	34.4	94.4
127	9.2	0.0	39.7

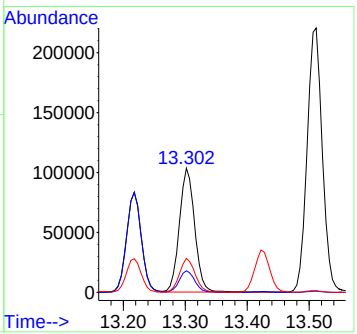


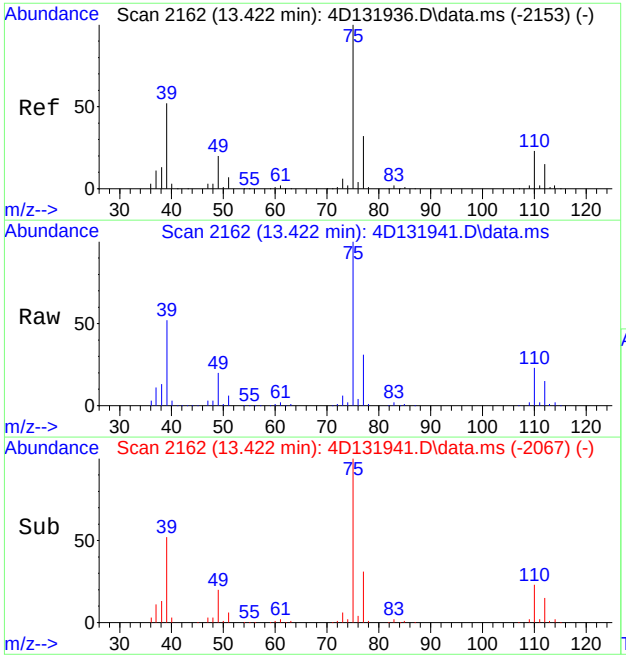


#69
epichlorohydrin
Concen: 230.50 ug/L
RT: 13.302 min Scan# 2139
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 57 Resp: 177809

Ion	Ratio	Lower	Upper
57	100		
62	17.4	0.0	37.4
49	27.2	6.8	46.8

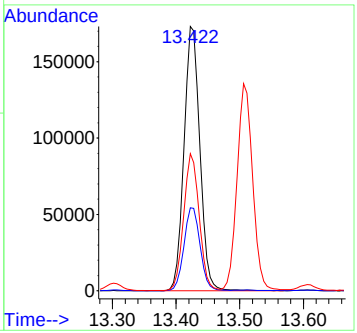


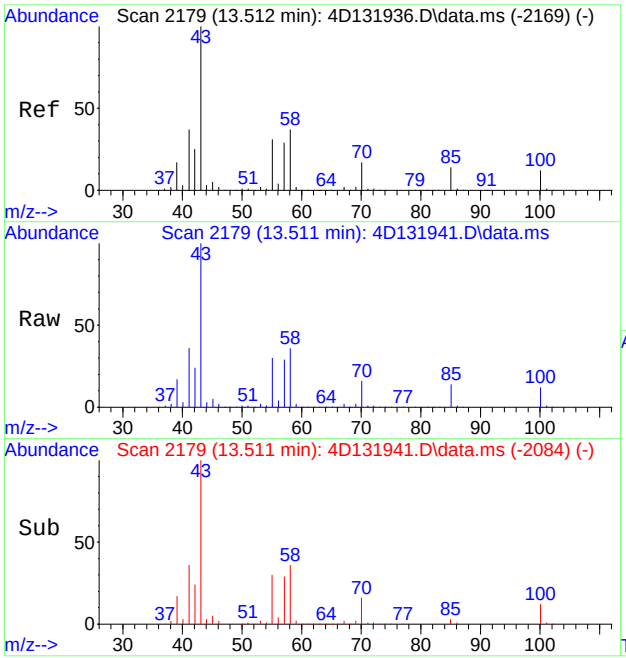


#70
cis-1,3-dichloropropene
Concen: 48.29 ug/L
RT: 13.422 min Scan# 2162
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 75 Resp: 299064

Ion	Ratio	Lower	Upper
75	100		
77	31.4	1.9	61.9
39	51.7	22.1	82.1

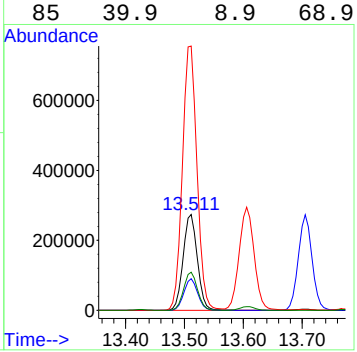


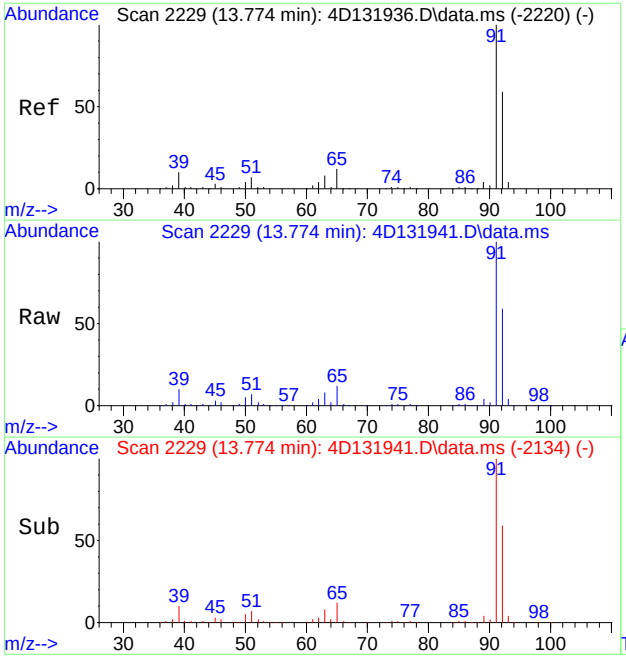


#71
4-methyl-2-pentanone
Concen: 189.49 ug/L
RT: 13.511 min Scan# 2179
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 58 Resp: 461141

Ion	Ratio	Lower	Upper
58	100		
100	33.1	2.6	62.6
43	276.0	244.0	304.0
85	39.9	8.9	68.9

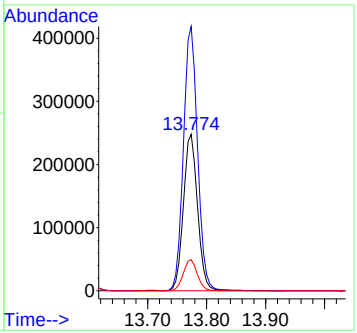


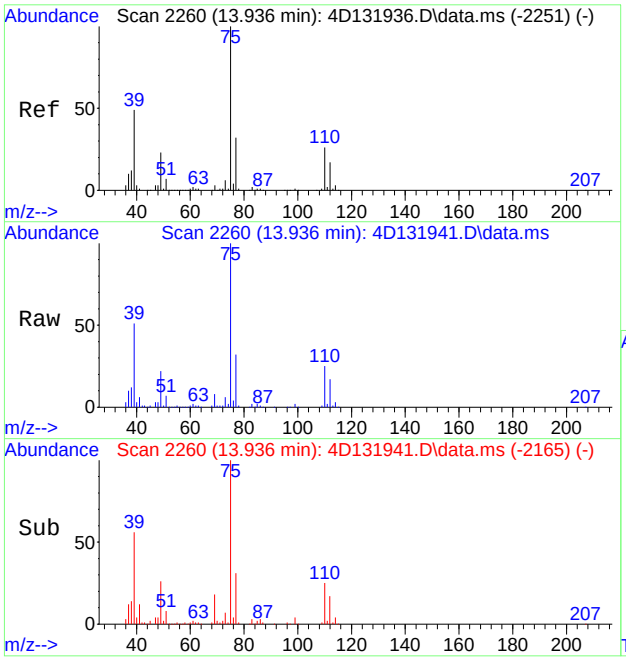


#75
toluene
Concen: 48.70 ug/L
RT: 13.774 min Scan# 2229
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 92 Resp: 413471

Ion	Ratio	Lower	Upper
92	100		
91	168.9	150.1	190.1
65	19.9	0.0	39.8

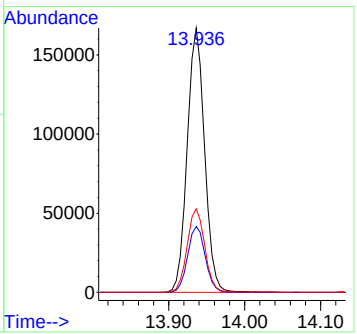


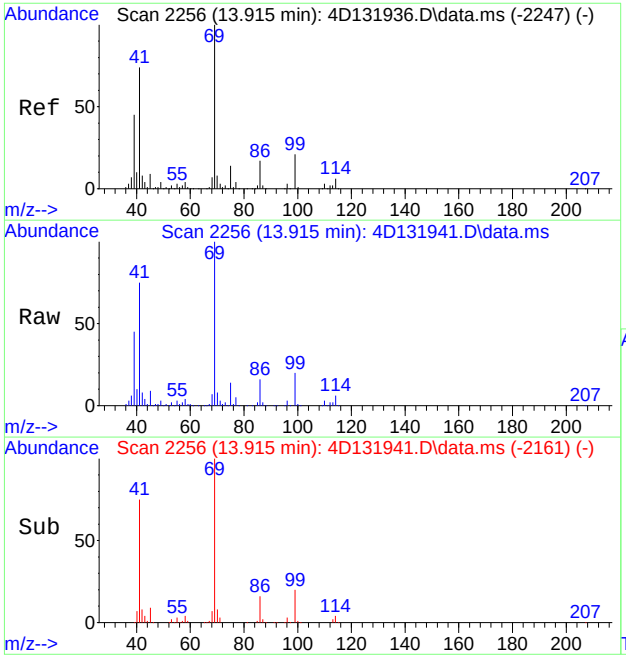


#76
trans-1,3-dichloropropene
Concen: 47.50 ug/L
RT: 13.936 min Scan# 2260
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 75 Resp: 265946

Ion	Ratio	Lower	Upper
75	100		
110	25.0	5.6	45.6
77	31.7	12.5	52.5

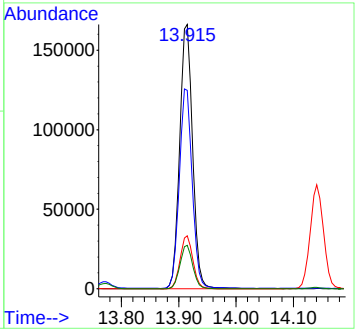


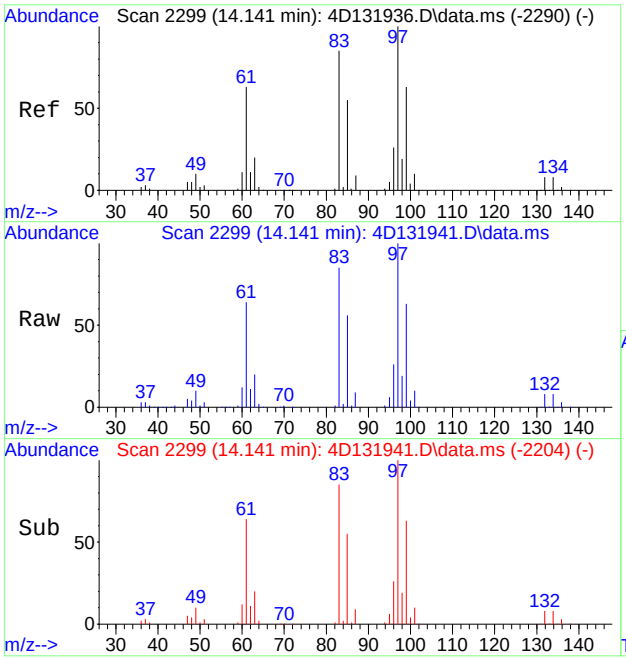


#77
ethyl methacrylate
Concen: 47.32 ug/L
RT: 13.915 min Scan# 2256
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 69 Resp: 260914

Ion	Ratio	Lower	Upper
69	100		
41	74.9	53.7	93.7
99	20.1	0.5	40.5
86	16.4	0.0	36.5

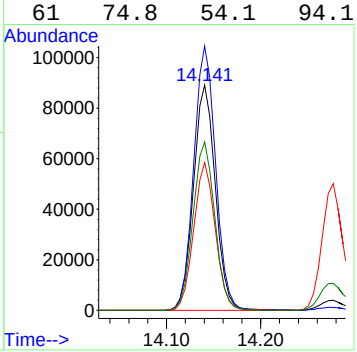


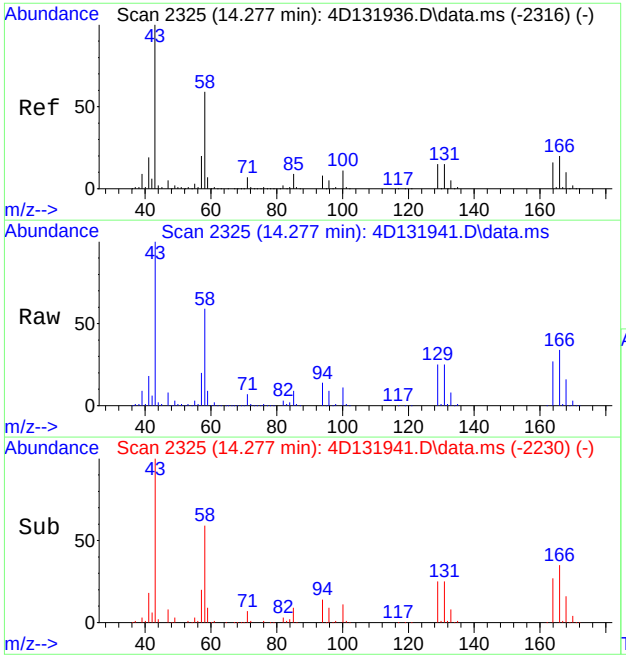


#78
1,1,2-trichloroethane
Concen: 47.66 ug/L
RT: 14.141 min Scan# 2299
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 83 Resp: 144137

Ion	Ratio	Lower	Upper
83	100		
97	117.3	98.0	138.0
85	65.5	44.8	84.8
61	74.8	54.1	94.1

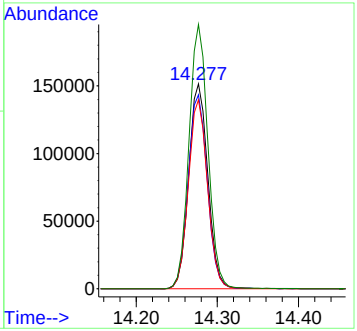


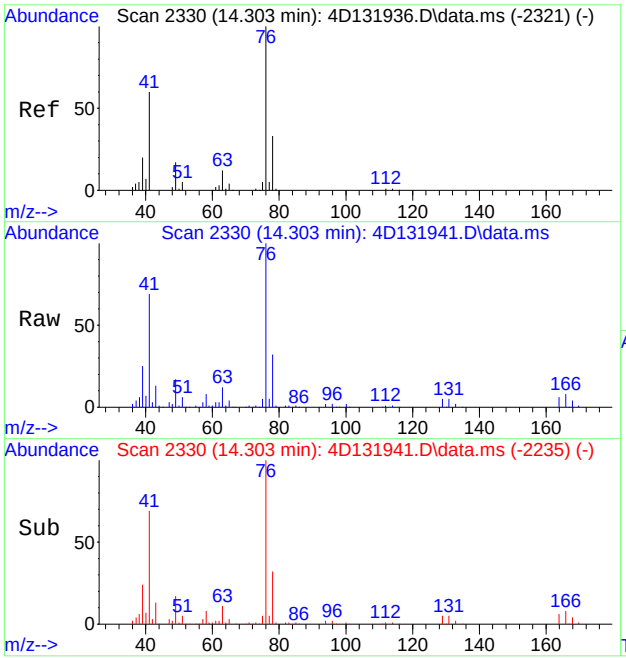


#79
tetrachloroethene
Concen: 84.33 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:164 Resp: 248856

Ion	Ratio	Lower	Upper
164	100		
129	94.7	63.3	123.3
131	92.2	59.8	119.8
166	129.1	95.2	155.2

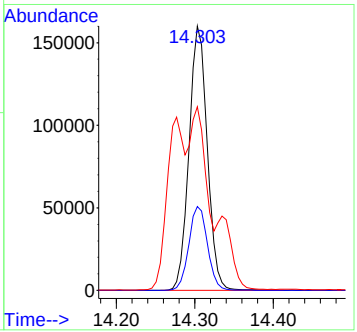


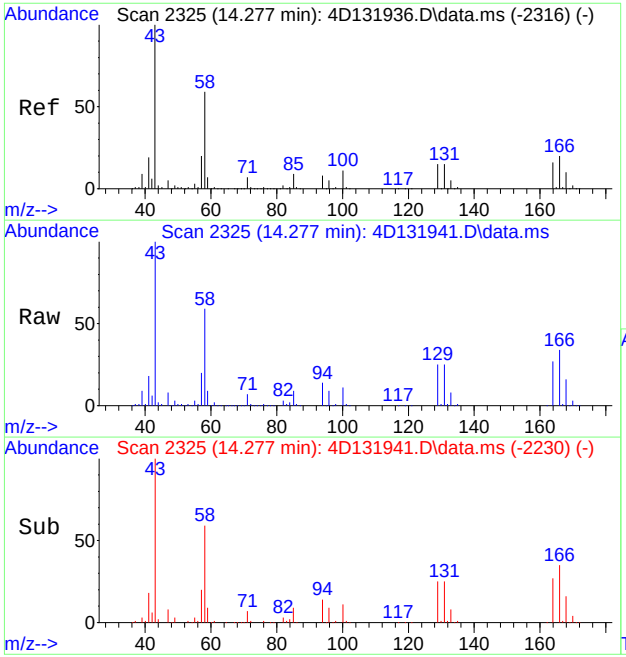


#80
1,3-dichloropropane
Concen: 48.58 ug/L
RT: 14.303 min Scan# 2330
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 76 Resp: 258995

Ion	Ratio	Lower	Upper
76	100		
78	31.7	2.5	62.5
41	69.0	40.0	100.0

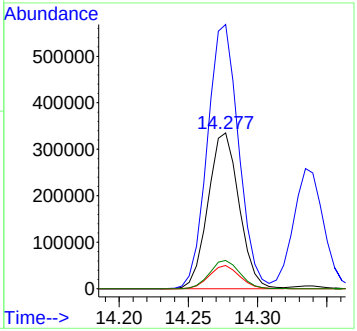


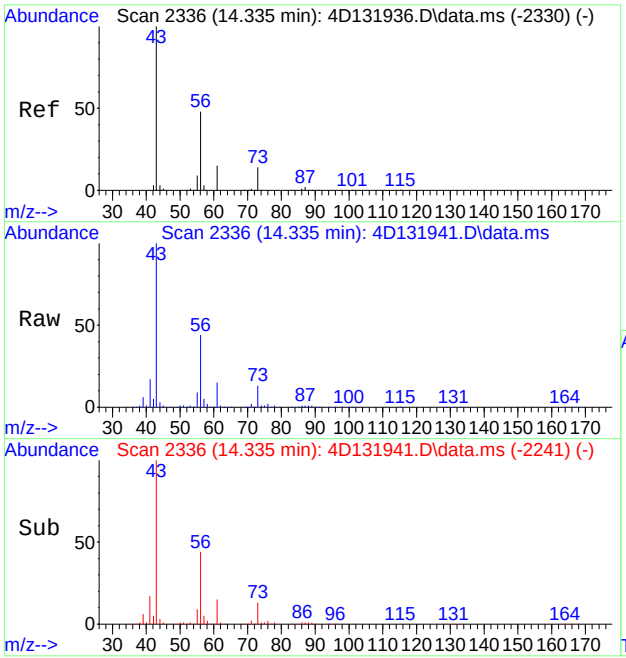


#81
2-hexanone
Concen: 196.64 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 58 Resp: 521974

Ion	Ratio	Lower	Upper
58	100		
43	169.4	149.1	189.1
85	14.9	0.0	34.7
100	18.2	0.0	38.3

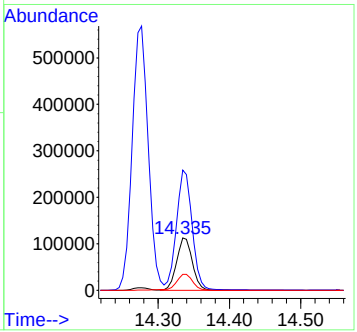


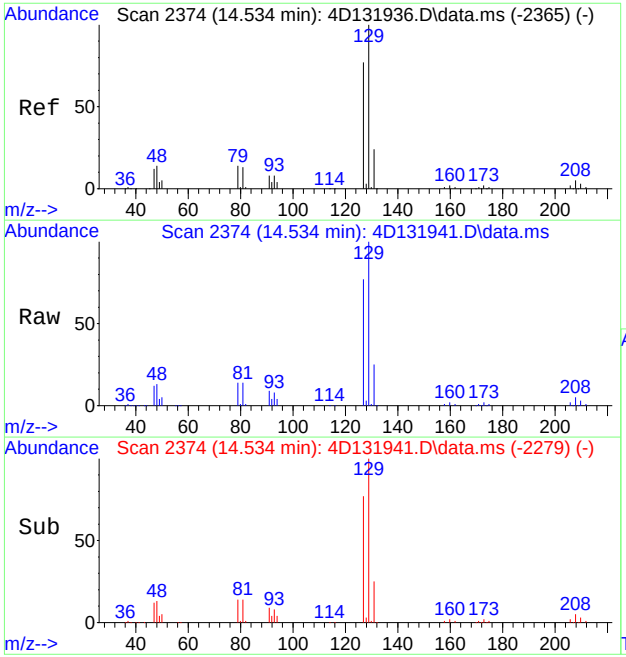


#82
butyl acetate
Concen: 45.60 ug/L
RT: 14.335 min Scan# 2336
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 56 Resp: 172199

Ion	Ratio	Lower	Upper
56	100		
43	229.3	196.2	256.2
73	30.9	0.0	59.9

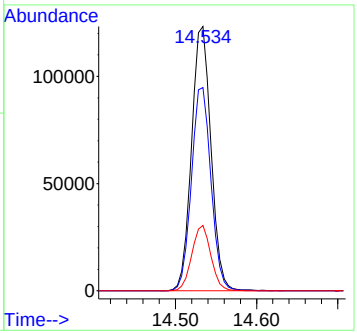


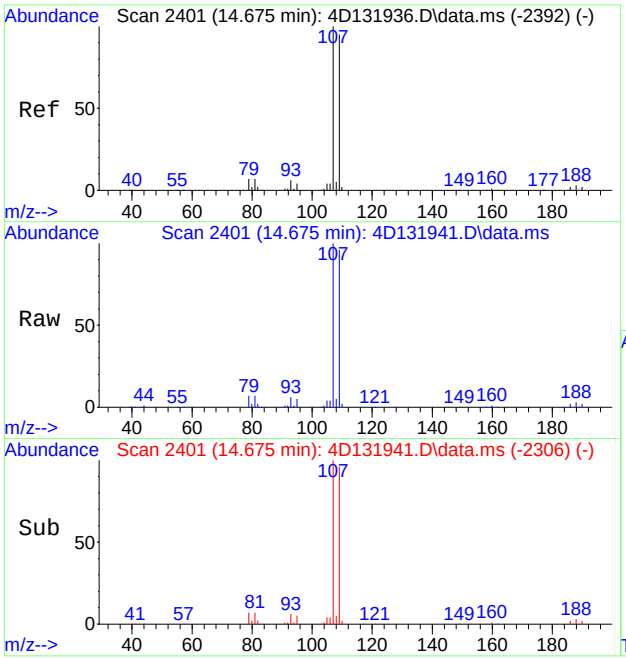


#83
dibromochloromethane
Concen: 48.77 ug/L
RT: 14.534 min Scan# 2374
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:129 Resp: 205300

Ion	Ratio	Lower	Upper
129	100		
127	76.9	47.2	107.2
131	24.7	0.0	54.4

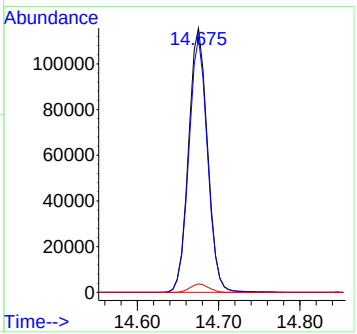


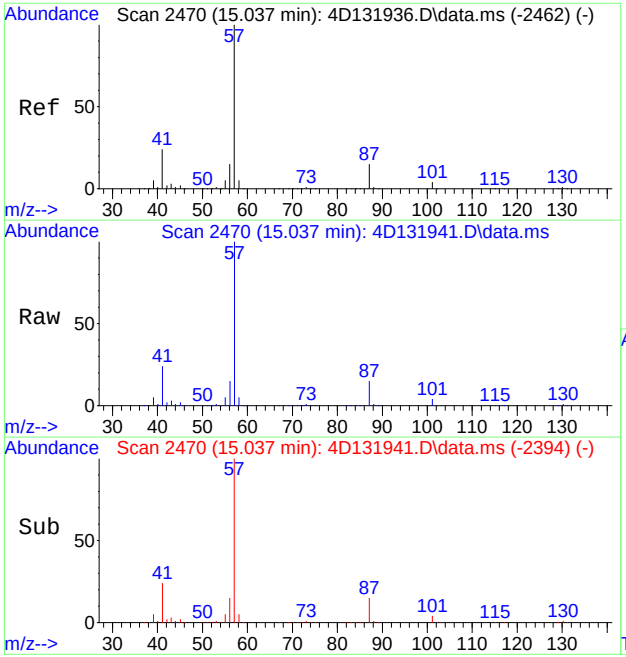


#84
1,2-dibromoethane
Concen: 48.58 ug/L
RT: 14.675 min Scan# 2401
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:107 Resp: 187415

Ion	Ratio	Lower	Upper
107	100		
109	96.3	65.1	125.1
188	3.2	0.0	33.2

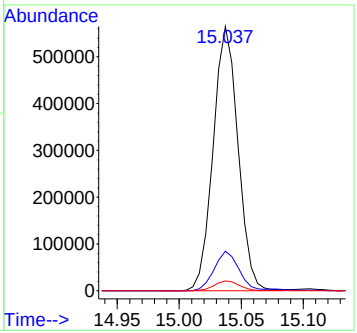


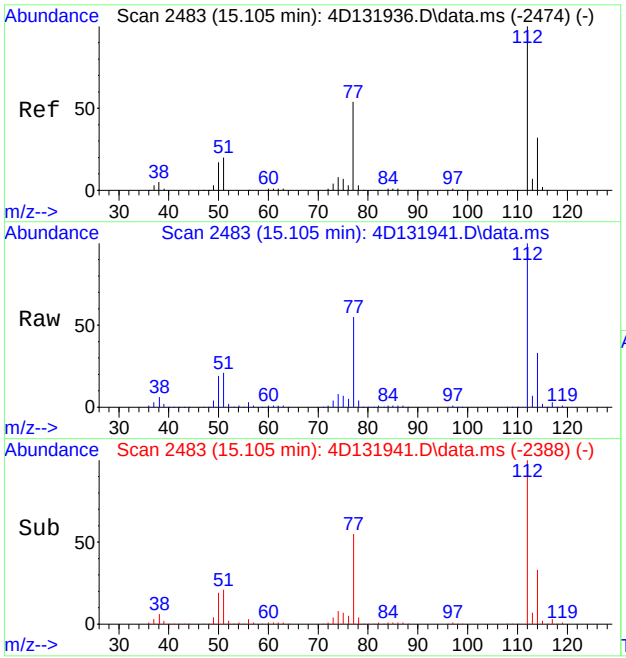


#85
n-butyl ether
Concen: 49.25 ug/L
RT: 15.037 min Scan# 2470
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 57 Resp: 786560

Ion	Ratio	Lower	Upper
57	100		
87	15.0	0.0	44.7
101	3.7	0.0	33.8

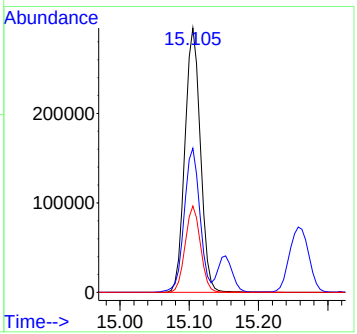


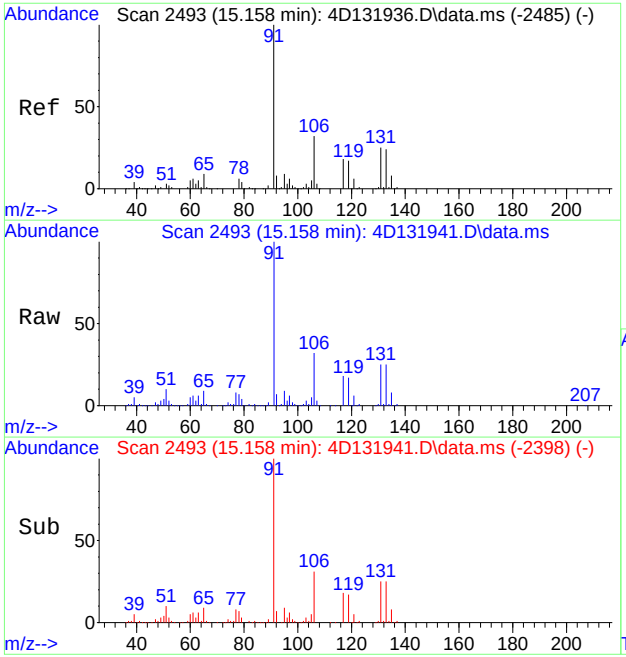


#86
chlorobenzene
Concen: 49.26 ug/L
RT: 15.105 min Scan# 2483
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:112 Resp: 460077

Ion	Ratio	Lower	Upper
112	100		
77	54.3	23.8	83.8
114	32.7	2.2	62.2

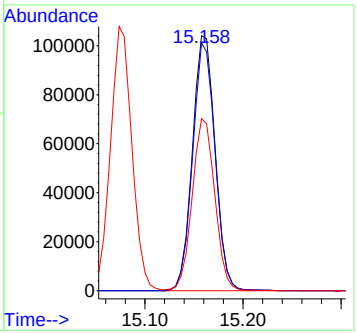


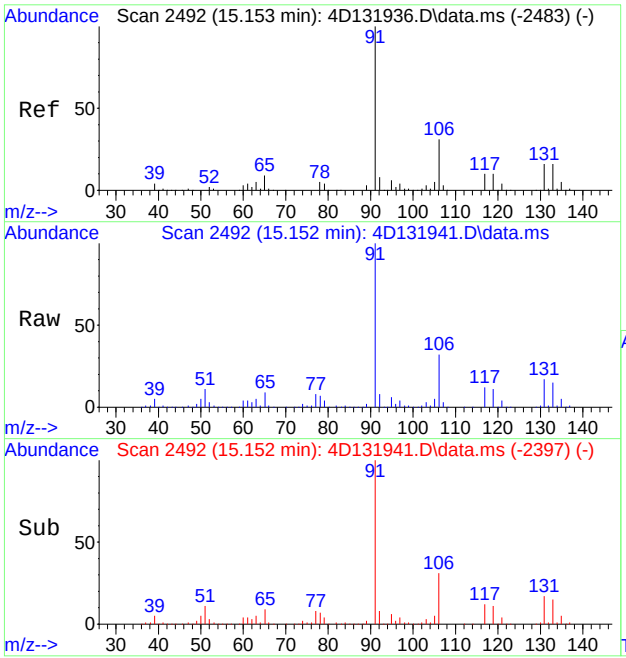


#87
1,1,1,2-tetrachloroethane
Concen: 49.80 ug/L
RT: 15.158 min Scan# 2493
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:131 Resp: 167908

Ion	Ratio	Lower	Upper
131	100		
133	97.1	66.4	126.4
119	67.4	37.8	97.8

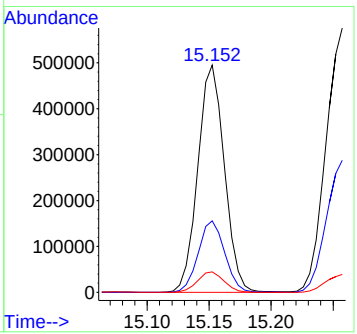


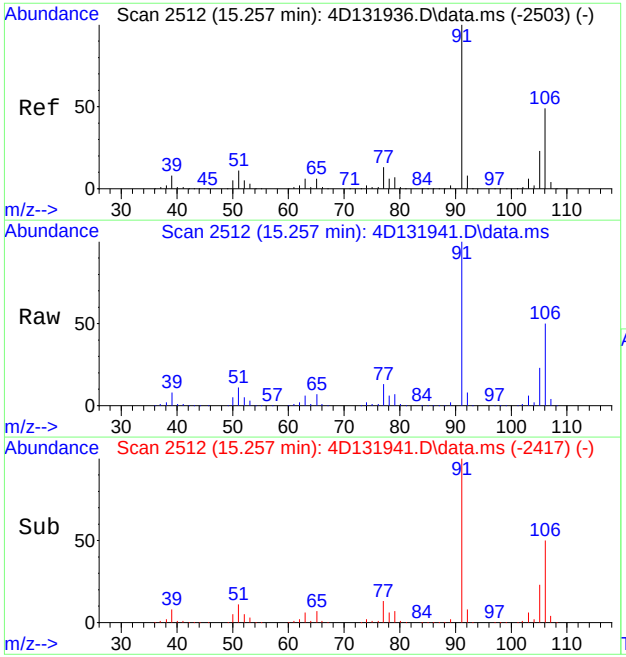


#88
ethylbenzene
Concen: 48.51 ug/L
RT: 15.152 min Scan# 2492
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 91 Resp: 739509

Ion	Ratio	Lower	Upper
91	100		
106	31.5	1.3	61.3
65	9.0	0.0	39.1

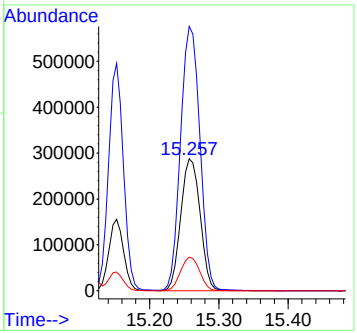


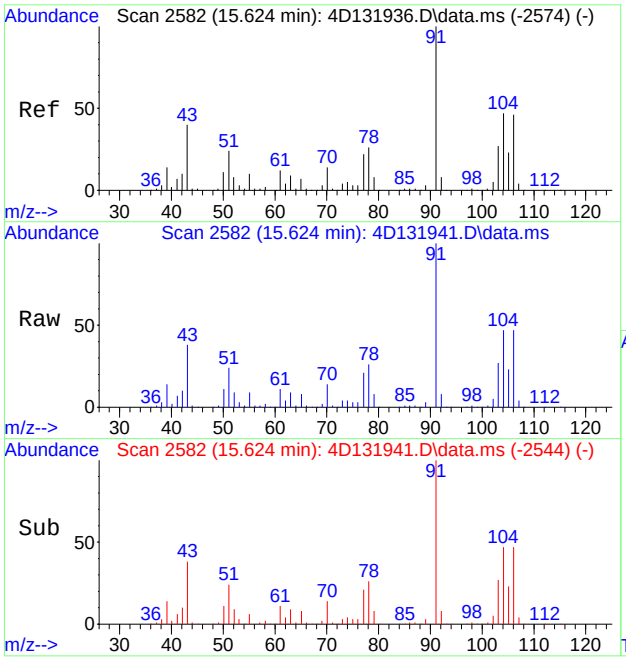


#89
m,p-xylene
Concen: 96.21 ug/L
RT: 15.257 min Scan# 2512
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:106 Resp: 564165

Ion	Ratio	Lower	Upper
106	100		
91	200.3	173.6	233.6
77	25.4	5.6	45.6

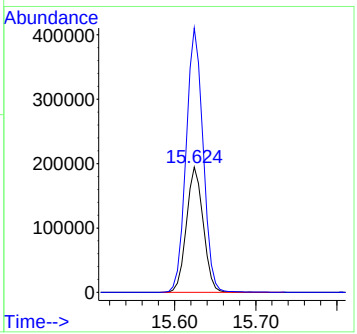


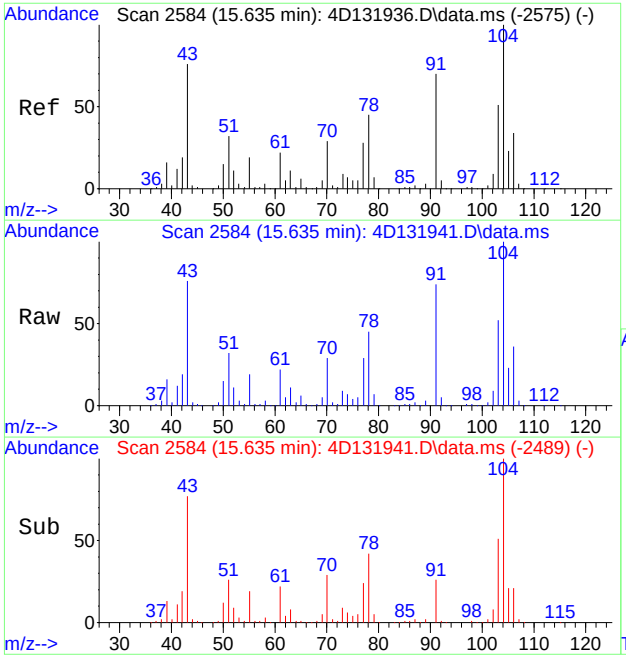


#90
o-xylene
Concen: 48.86 ug/L
RT: 15.624 min Scan# 2582
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:106 Resp: 280532

Ion	Ratio	Lower	Upper
106	100		
91	210.9	188.2	248.2

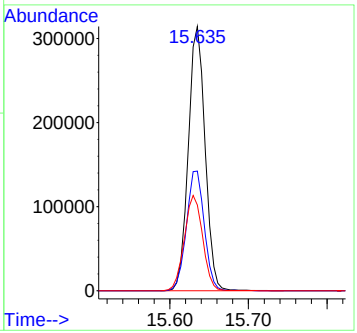


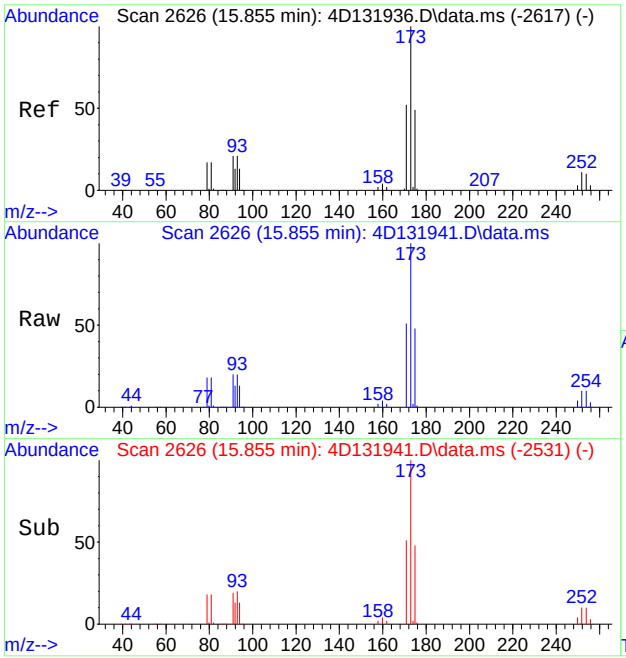


#91
styrene
Concen: 48.57 ug/L
RT: 15.635 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:104 Resp: 468069

Ion	Ratio	Lower	Upper
104	100		
78	45.3	14.9	74.9
51	32.5	2.1	62.1

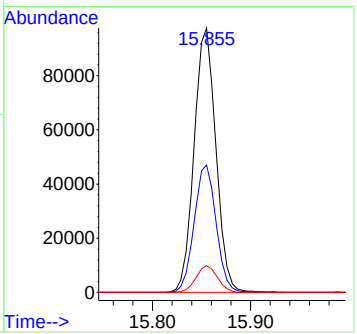


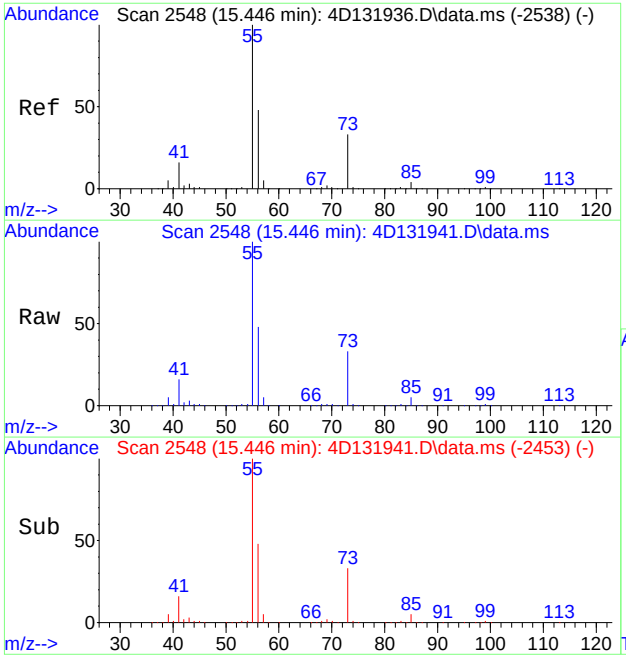


#92
bromoform
Concen: 50.16 ug/L
RT: 15.855 min Scan# 2626
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:173 Resp: 150780

Ion	Ratio	Lower	Upper
173	100		
175	48.2	18.7	78.7
254	10.1	0.0	40.1

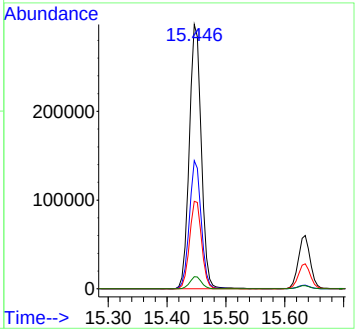


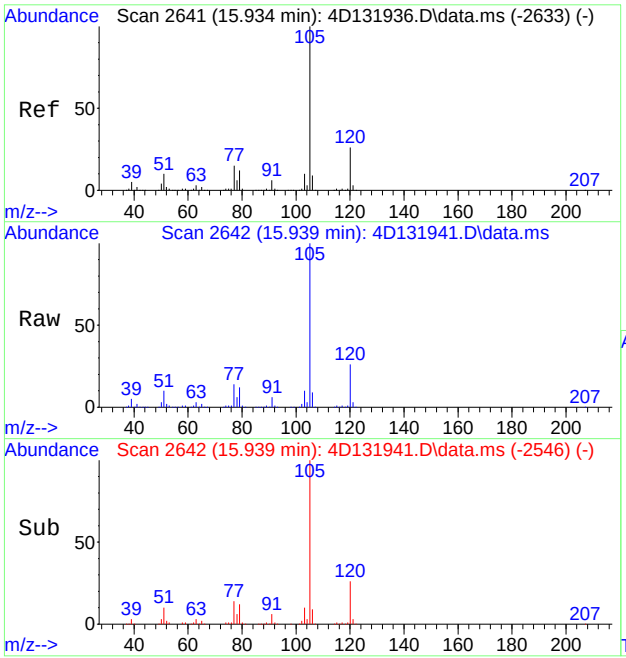


#93
butyl acrylate
Concen: 46.70 ug/L
RT: 15.446 min Scan# 2548
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 55 Resp: 420965

Ion	Ratio	Lower	Upper
55	100		
56	48.5	33.5	62.1
73	33.1	23.2	43.2
85	4.6	3.1	5.8

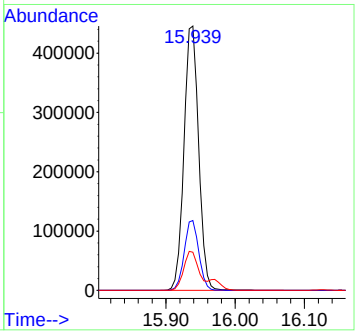


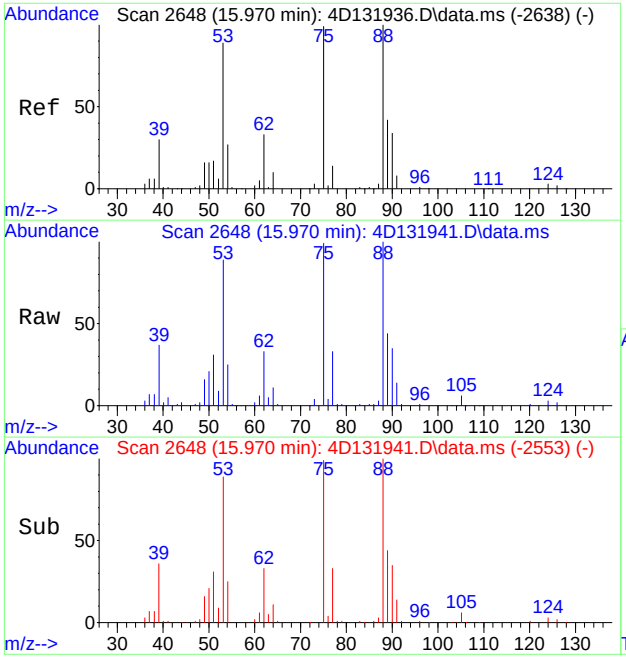


#94
isopropylbenzene
Concen: 49.54 ug/L
RT: 15.939 min Scan# 2642
Delta R.T. 0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:105 Resp: 659056

Ion	Ratio	Lower	Upper
105	100		
120	26.4	5.9	45.9
77	14.5	0.0	34.7

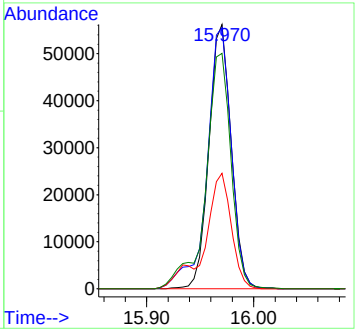


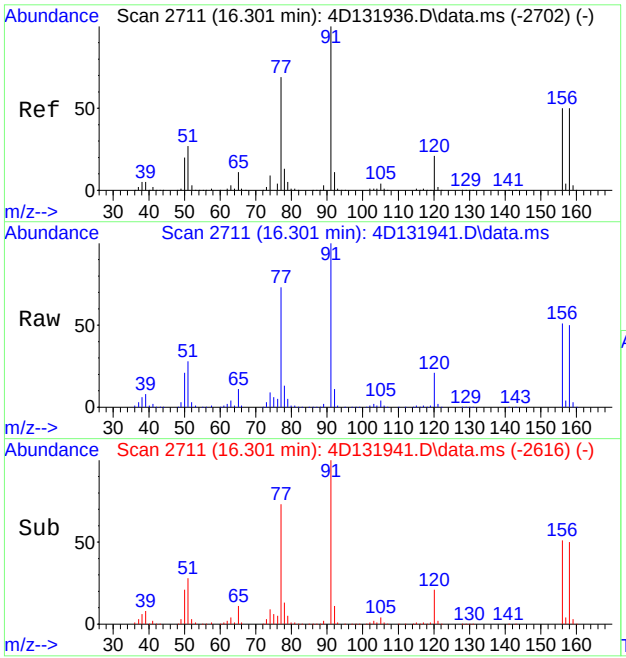


#95
cis-1,4-dichloro-2-butene
Concen: 46.39 ug/L
RT: 15.970 min Scan# 2648
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 88 Resp: 81347

Ion	Ratio	Lower	Upper
88	100		
75	98.8	80.4	120.4
89	43.7	23.8	63.8
53	89.0	70.8	110.8

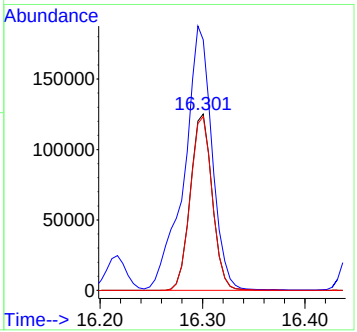


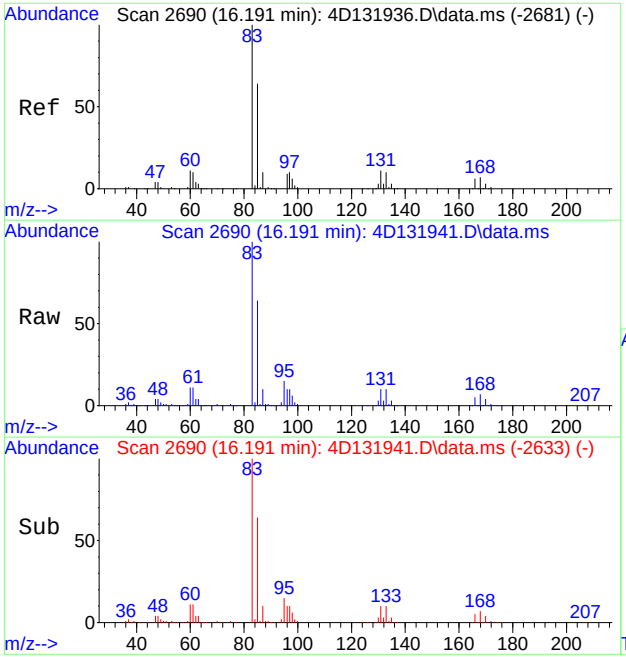


#98
bromobenzene
Concen: 50.96 ug/L
RT: 16.301 min Scan# 2711
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:156 Resp: 186768

Ion	Ratio	Lower	Upper
156	100		
77	141.7	114.1	174.1
158	98.5	69.3	129.3

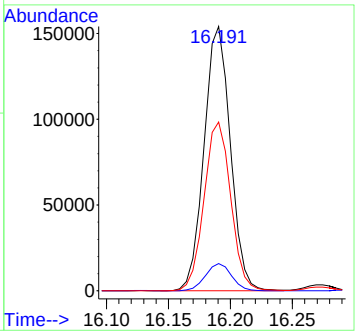


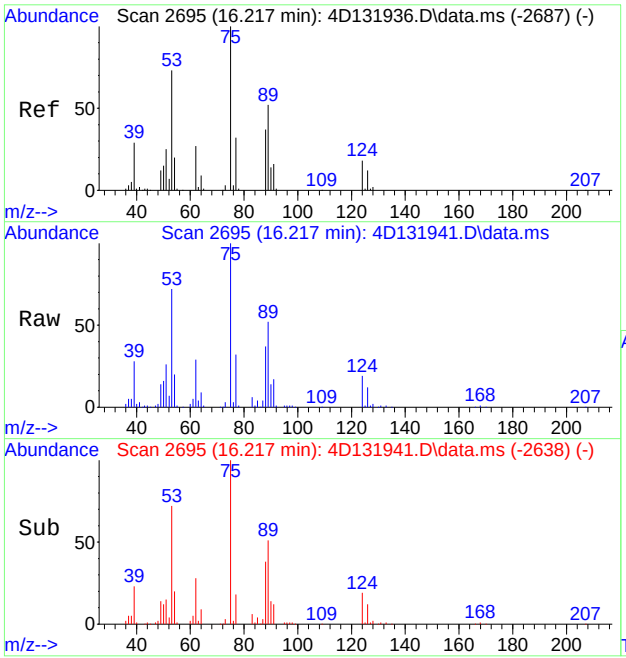


#99
1,1,2,2-tetrachloroethane
Concen: 46.86 ug/L
RT: 16.191 min Scan# 2690
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 83 Resp: 227524

Ion	Ratio	Lower	Upper
83	100		
131	10.3	0.0	40.7
85	63.8	33.7	93.7

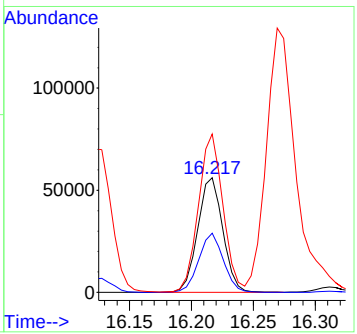


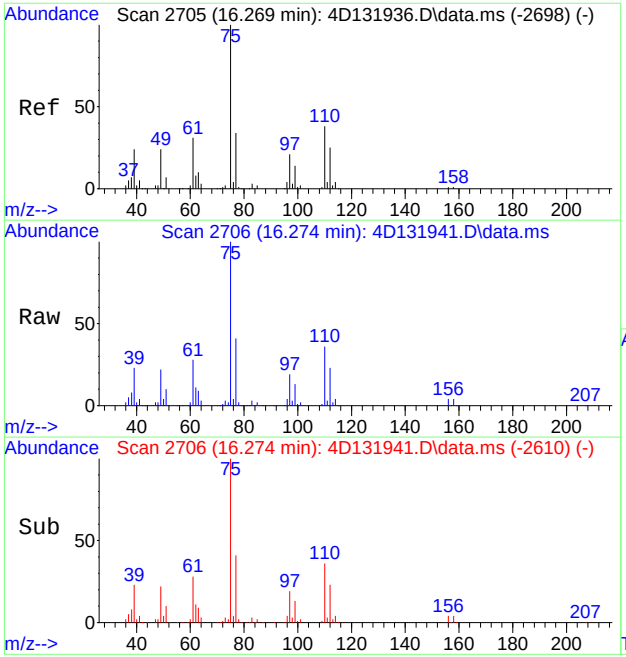


#100
trans-1,4-dichloro-2-butene
Concen: 53.63 ug/L
RT: 16.217 min Scan# 2695
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 53 Resp: 79241

Ion	Ratio	Lower	Upper
53	100		
88	51.7	20.8	80.8
75	137.8	106.5	166.5

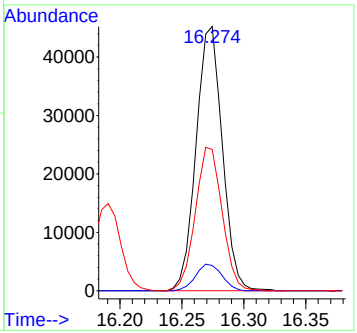


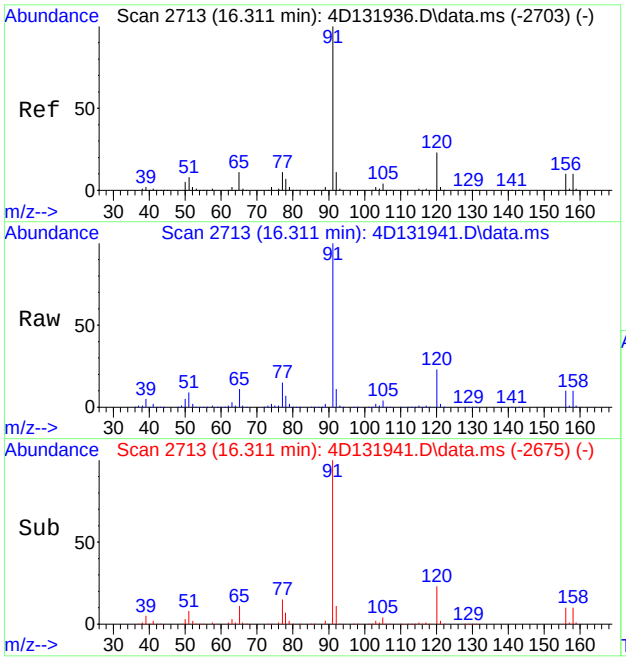


#101
1,2,3-trichloropropane
Concen: 51.39 ug/L
RT: 16.274 min Scan# 2706
Delta R.T. 0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:110 Resp: 66896

Ion	Ratio	Lower	Upper
110	100		
111	9.6	0.0	40.4
97	53.4	25.6	85.6

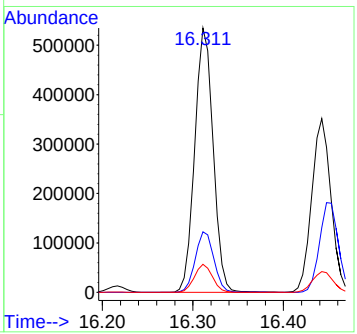


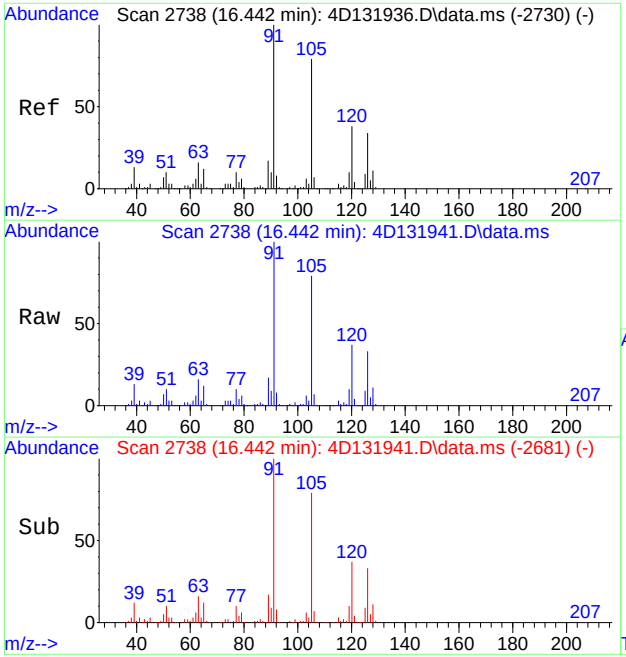


#102
n-propylbenzene
Concen: 49.38 ug/L
RT: 16.311 min Scan# 2713
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 91 Resp: 755189

Ion	Ratio	Lower	Upper
91	100		
120	23.0	0.0	53.1
65	10.7	0.0	40.8

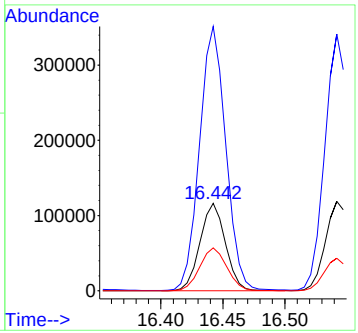


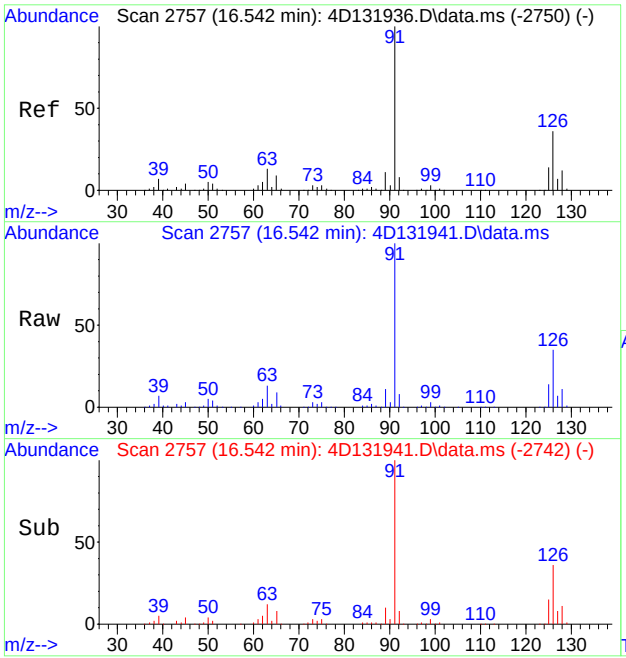


#103
2-chlorotoluene
Concen: 50.28 ug/L
RT: 16.442 min Scan# 2738
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:126 Resp: 165732

Ion	Ratio	Lower	Upper
126	100		
91	302.2	265.9	325.9
63	49.2	18.3	78.3

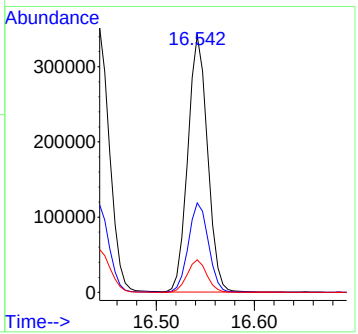


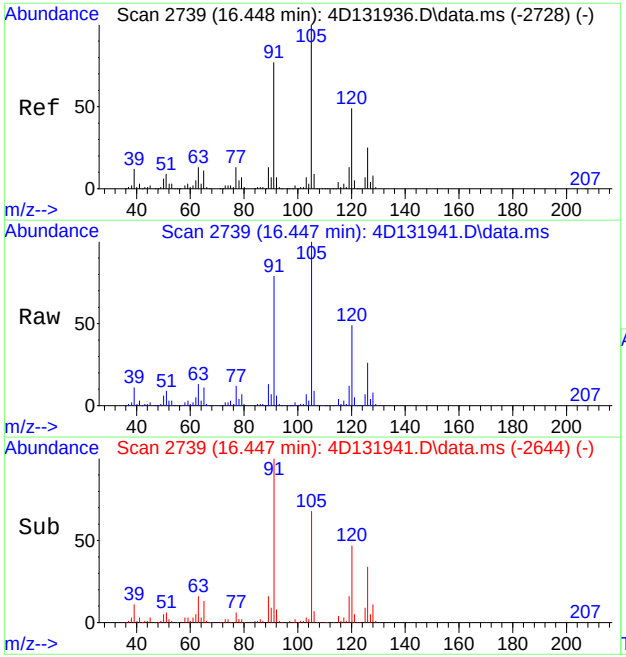


#104
4-chlorotoluene
Concen: 47.53 ug/L
RT: 16.542 min Scan# 2757
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 91 Resp: 477844

Ion	Ratio	Lower	Upper
91	100		
126	34.9	5.5	65.5
63	12.7	0.0	42.5

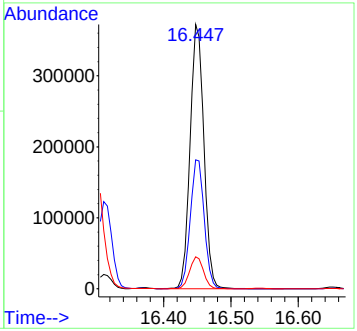


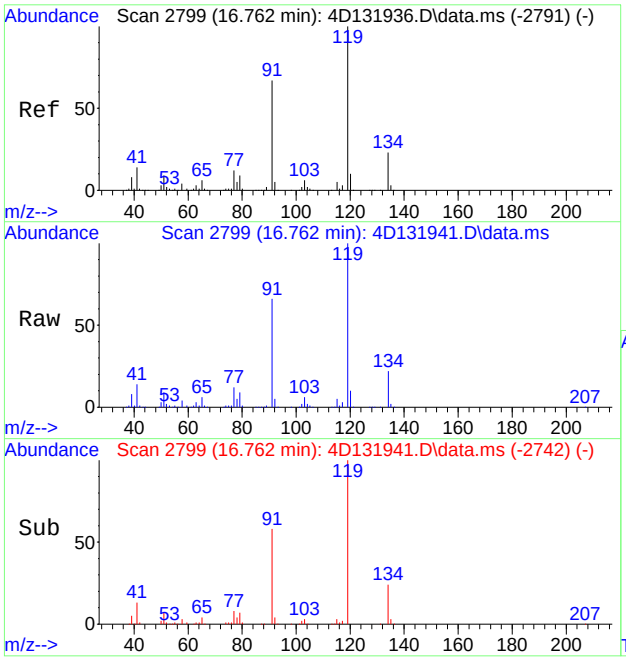


#105
1,3,5-trimethylbenzene
Concen: 49.33 ug/L
RT: 16.447 min Scan# 2739
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:105 Resp: 531361

Ion	Ratio	Lower	Upper
105	100		
120	48.8	19.3	79.3
77	12.1	0.0	42.7

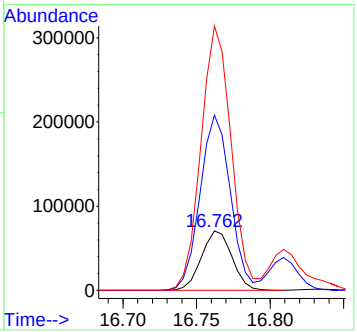


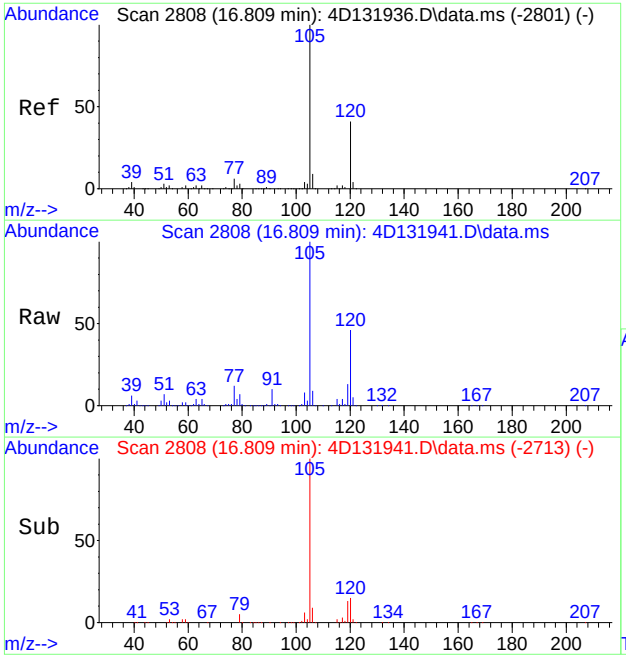


#106
tert-butylbenzene
Concen: 50.91 ug/L
RT: 16.762 min Scan# 2799
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:134 Resp: 101743

Ion	Ratio	Lower	Upper
134	100		
91	294.4	266.0	326.0
119	444.6	410.0	470.0

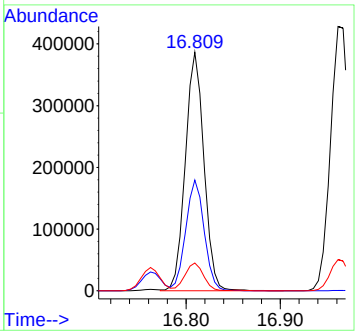


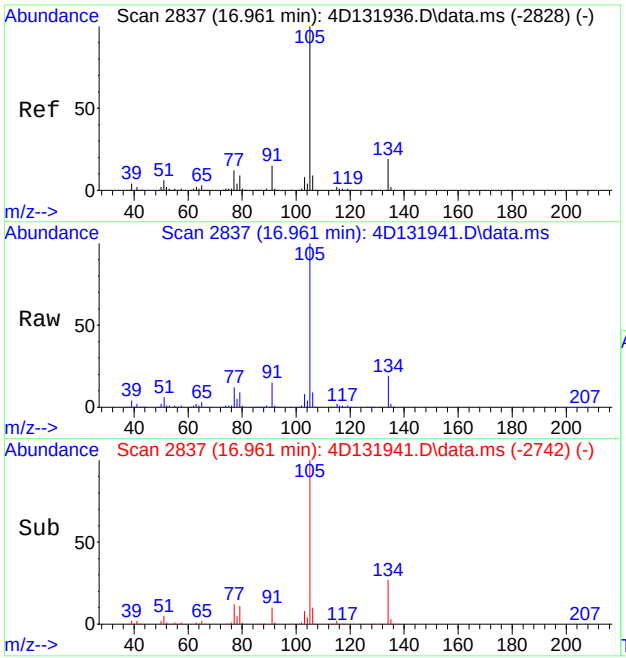


#107
1,2,4-trimethylbenzene
Concen: 49.07 ug/L
RT: 16.809 min Scan# 2808
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:105 Resp: 532688

Ion	Ratio	Lower	Upper
105	100		
120	46.4	15.8	75.8
77	11.7	0.0	41.4

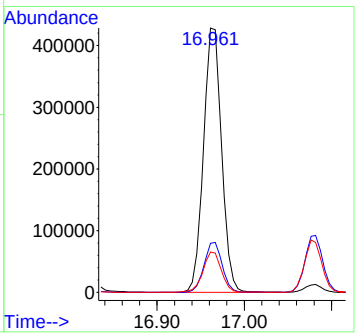


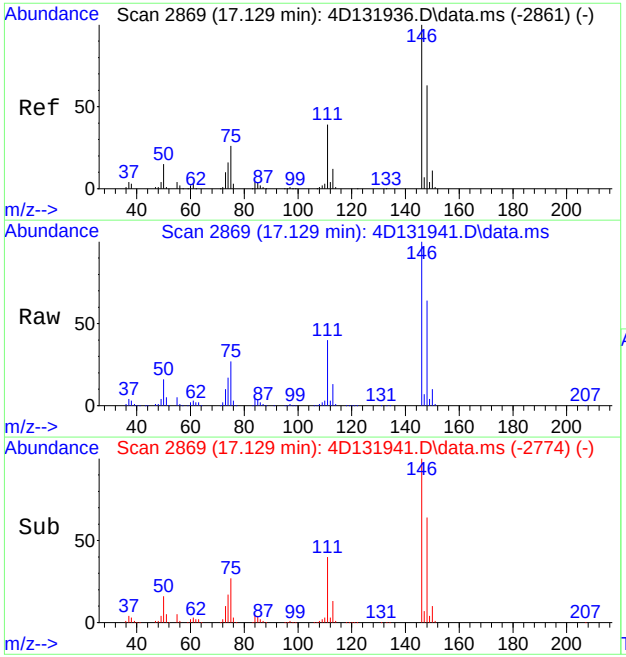


#108
sec-butylbenzene
Concen: 49.51 ug/L
RT: 16.961 min Scan# 2837
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:105 Resp: 619936

Ion	Ratio	Lower	Upper
105	100		
134	18.5	0.0	48.6
91	15.3	0.0	45.4

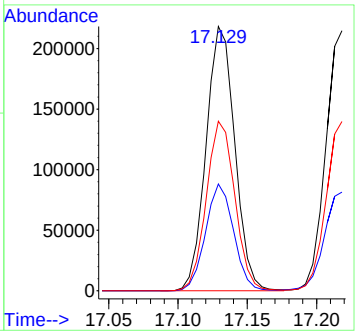


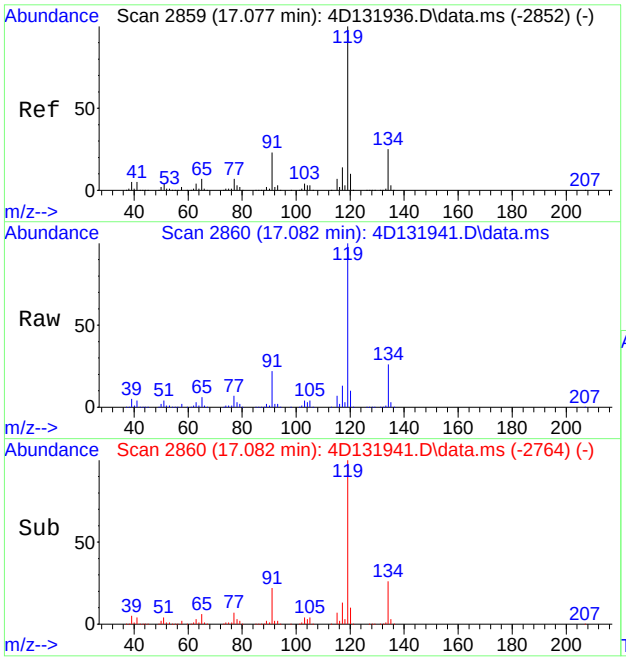


#109
1,3-dichlorobenzene
Concen: 49.65 ug/L
RT: 17.129 min Scan# 2869
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:146 Resp: 314365

Ion	Ratio	Lower	Upper
146	100		
111	40.4	9.4	69.4
148	64.1	33.3	93.3

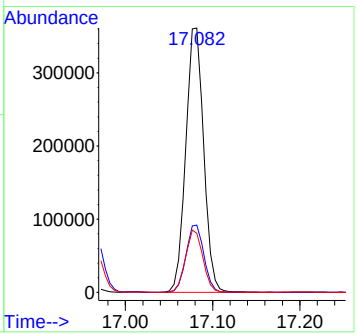


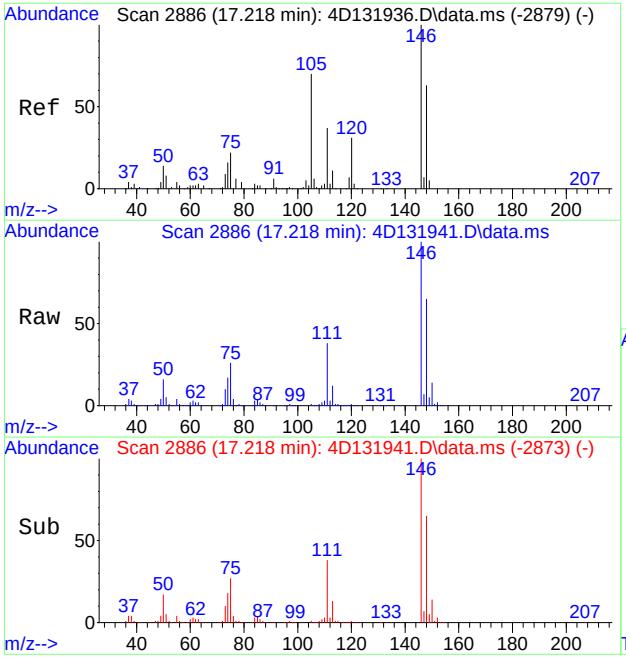


#110
p-isopropyltoluene
Concen: 49.75 ug/L
RT: 17.082 min Scan# 2860
Delta R.T. 0.005 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:119 Resp: 516161

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	55.5
91	22.3	0.0	53.2

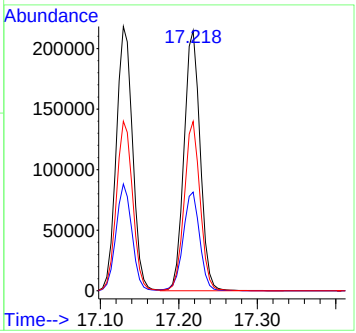


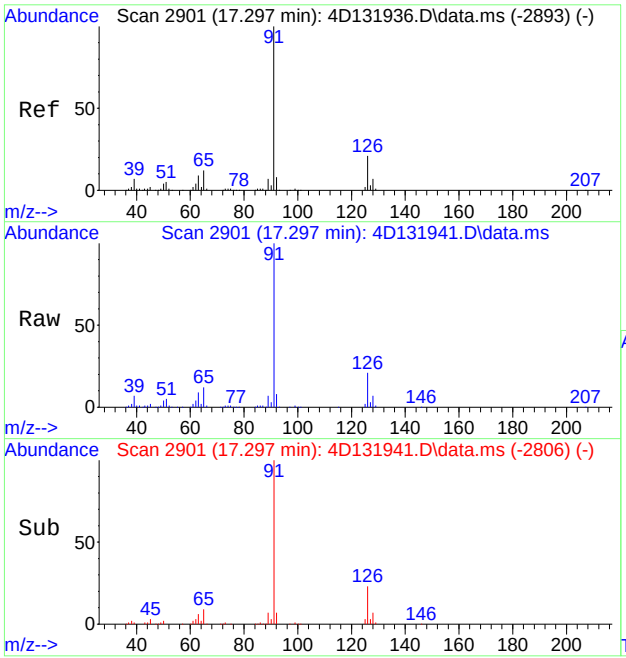


#111
1,4-dichlorobenzene
Concen: 50.27 ug/L
RT: 17.218 min Scan# 2886
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:146 Resp: 306444

Ion	Ratio	Lower	Upper
146	100		
111	37.9	7.6	67.6
148	65.1	33.6	93.6

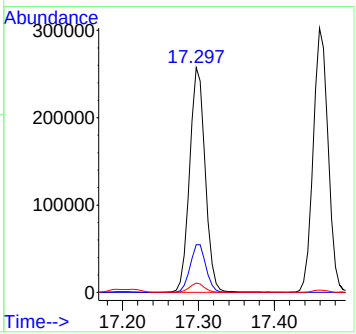


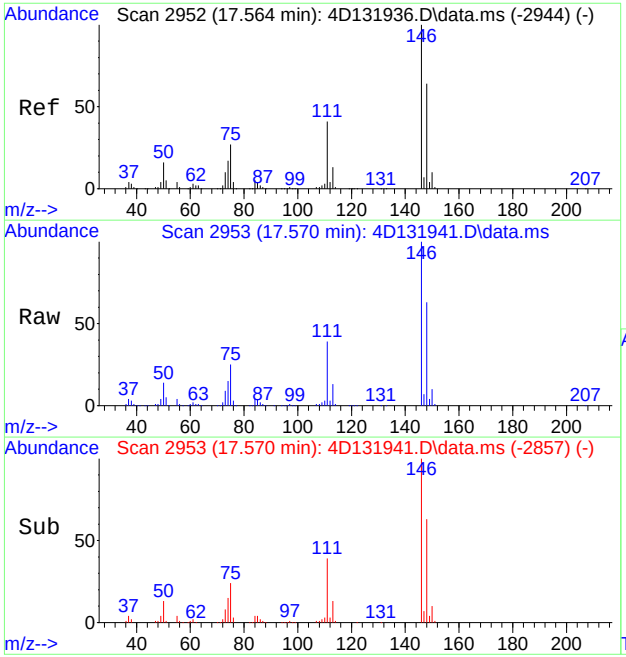


#113
benzyl chloride
Concen: 44.11 ug/L
RT: 17.297 min Scan# 2901
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 91 Resp: 365633

Ion	Ratio	Lower	Upper
91	100		
126	21.2	0.0	51.2
62	4.2	0.0	34.2

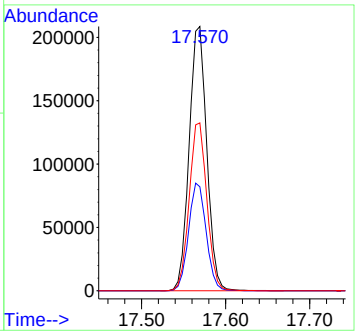


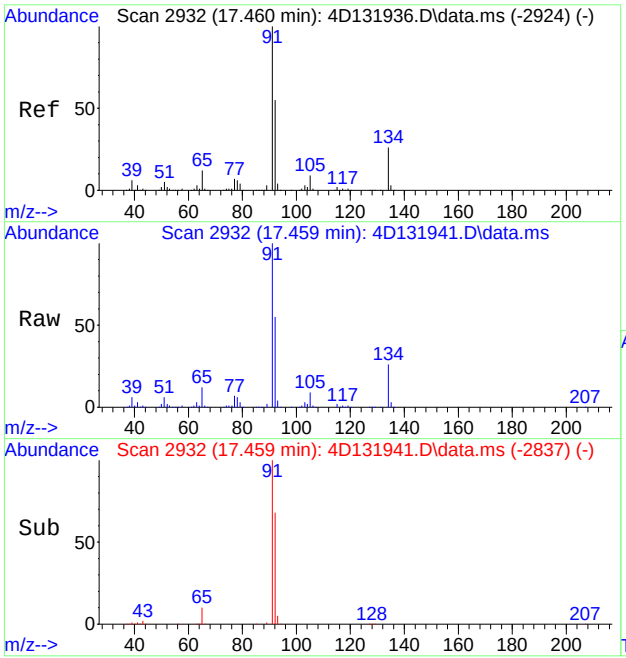


#114
1,2-dichlorobenzene
Concen: 50.84 ug/L
RT: 17.570 min Scan# 2953
Delta R.T. 0.006 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:146 Resp: 303672

Ion	Ratio	Lower	Upper
146	100		
111	39.4	11.4	71.4
148	63.4	33.6	93.6

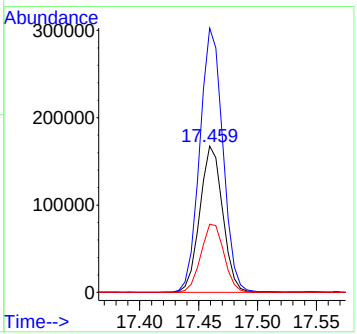


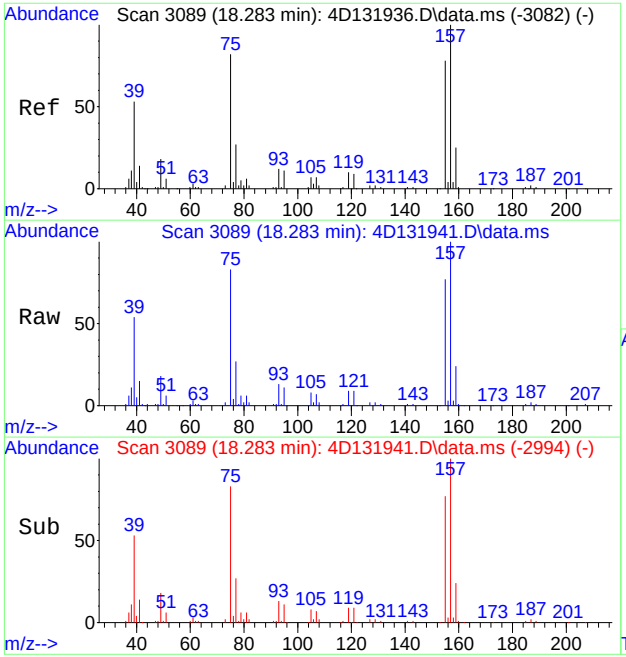


#115
n-butylbenzene
Concen: 49.64 ug/L
RT: 17.459 min Scan# 2932
Delta R.T. -0.001 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion: 92 Resp: 227067

Ion	Ratio	Lower	Upper
92	100		
91	180.4	151.4	211.4
134	46.6	16.5	76.5

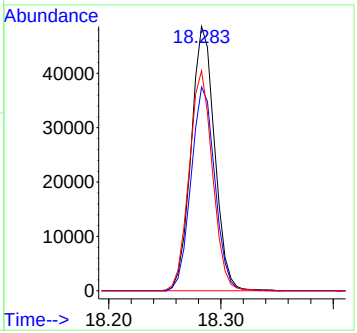


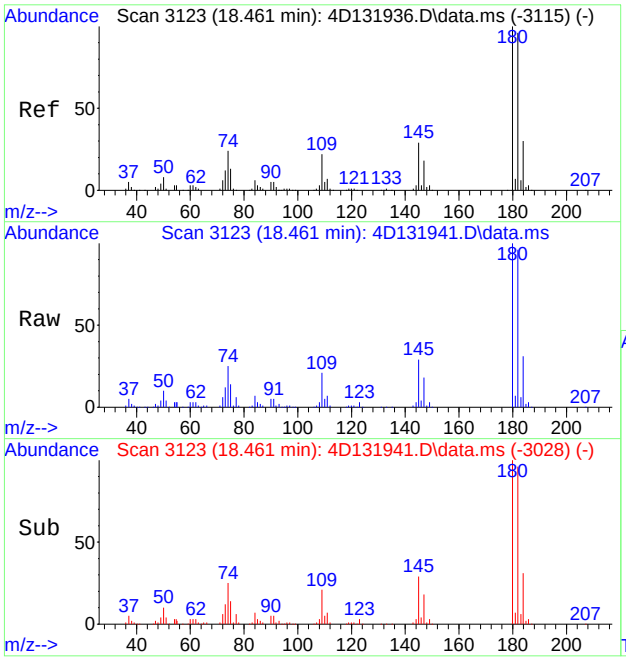


#116
1,2-dibromo-3-chloropropane
Concen: 53.08 ug/L
RT: 18.283 min Scan# 3089
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:157 Resp: 70792

Ion	Ratio	Lower	Upper
157	100		
155	77.0	48.1	108.1
75	83.2	52.3	112.3

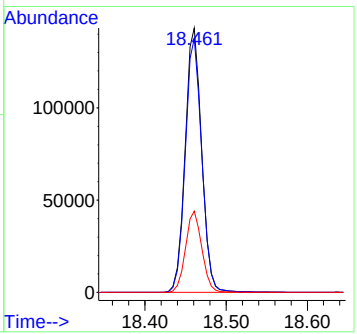


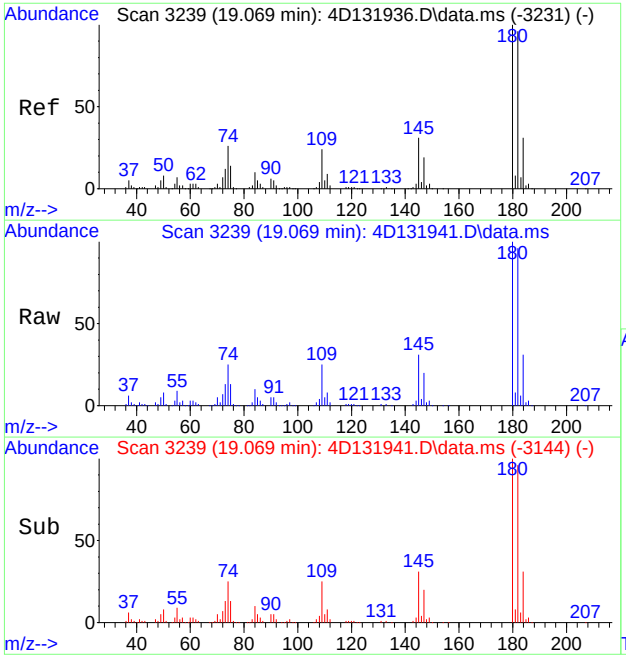


#117
1,3,5-trichlorobenzene
Concen: 54.86 ug/L
RT: 18.461 min Scan# 3123
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:180 Resp: 202611

Ion	Ratio	Lower	Upper
180	100		
182	96.0	66.1	126.1
184	30.7	0.3	60.3

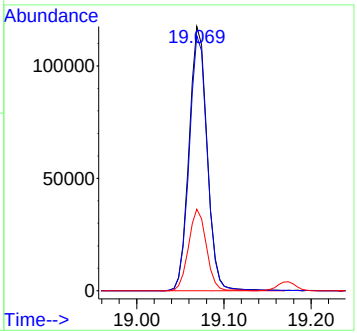


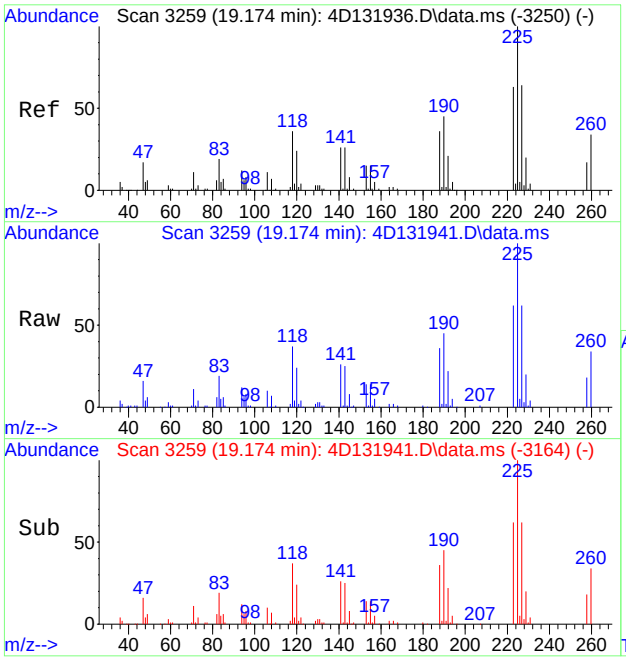


#118
1,2,4-trichlorobenzene
Concen: 52.71 ug/L
RT: 19.069 min Scan# 3239
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:180 Resp: 169480

Ion	Ratio	Lower	Upper
180	100		
182	96.5	65.6	125.6
145	30.8	0.8	60.8

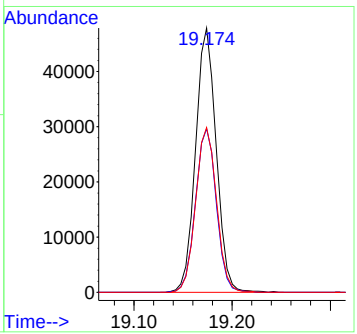


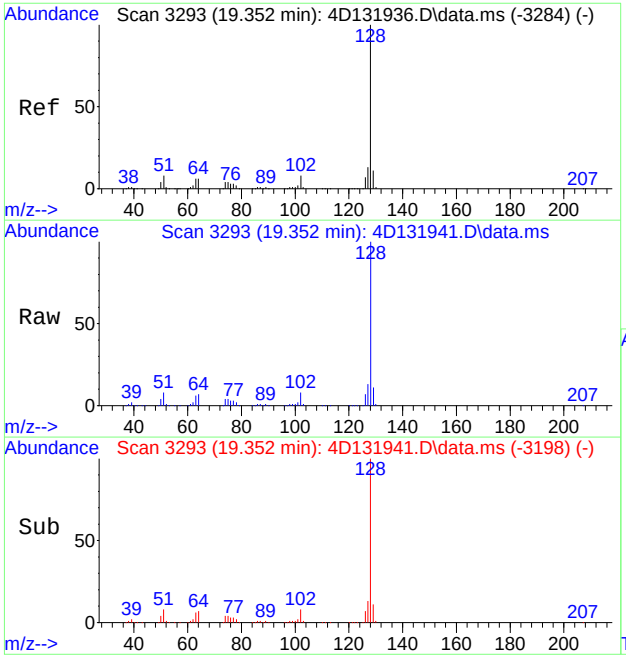


#119
hexachlorobutadiene
Concen: 55.79 ug/L
RT: 19.174 min Scan# 3259
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:225 Resp: 70018

Ion	Ratio	Lower	Upper
225	100		
223	61.9	33.3	93.3
227	62.3	33.8	93.8

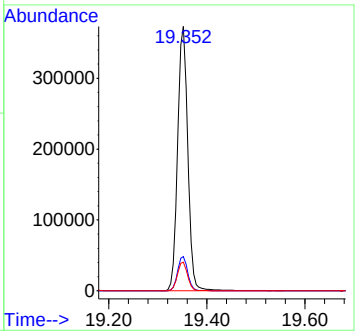


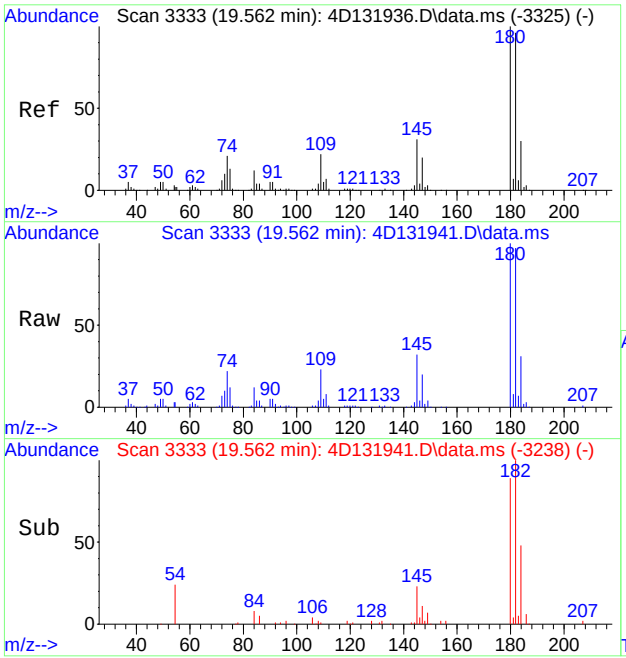


#120
naphthalene
Concen: 50.32 ug/L
RT: 19.352 min Scan# 3293
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:128 Resp: 537024

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	42.5
129	10.9	0.0	41.0

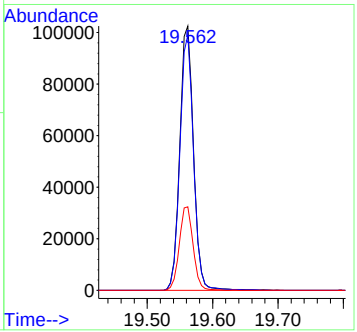


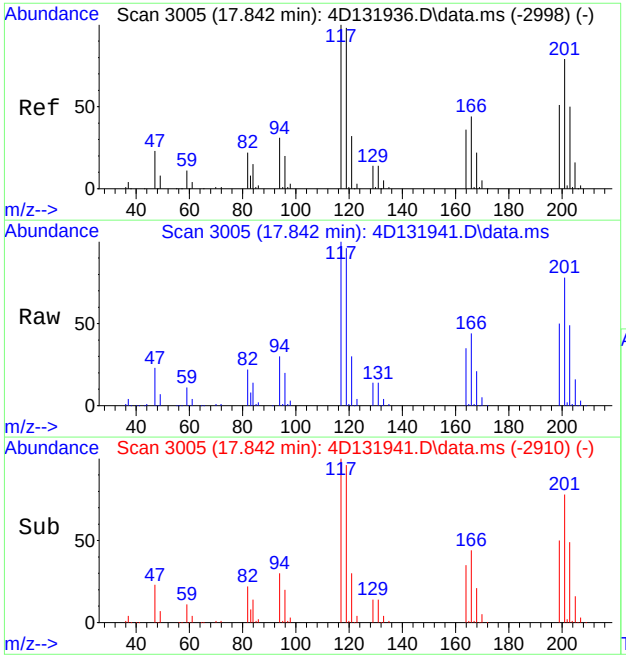


#121
1,2,3-trichlorobenzene
Concen: 52.16 ug/L
RT: 19.562 min Scan# 3333
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:180 Resp: 149484

Ion	Ratio	Lower	Upper
180	100		
182	96.6	66.3	126.3
145	31.6	1.3	61.3

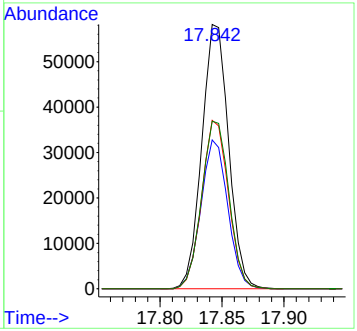


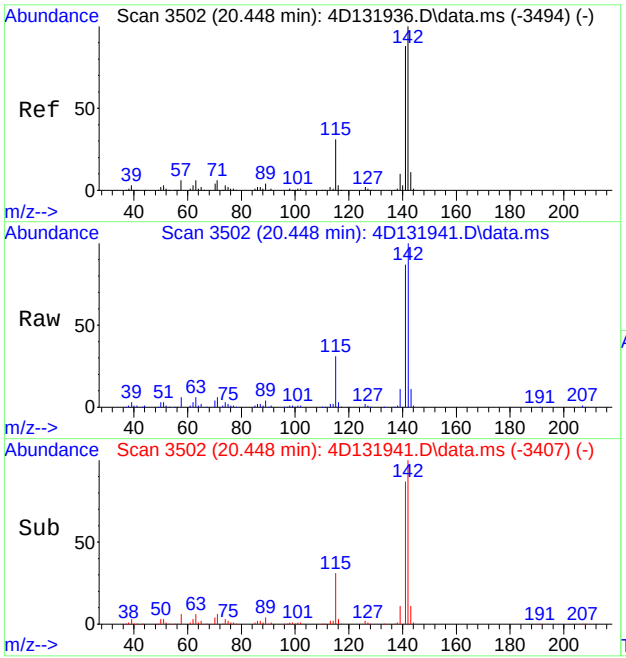


#122
hexachloroethane
Concen: 56.15 ug/L
RT: 17.842 min Scan# 3005
Delta R.T. 0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:201 Resp: 87787

Ion	Ratio	Lower	Upper
201	100		
166	56.3	26.1	86.1
199	63.7	33.8	93.8
203	63.4	33.7	93.7

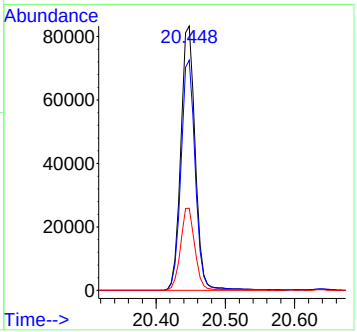




#123
2-methylnaphthalene
Concen: 26.92 ug/L
RT: 20.448 min Scan# 3502
Delta R.T. -0.000 min
Lab File: 4D131941.D
Acq: 6 Oct 2023 9:25 pm

Tgt Ion:142 Resp: 122223

Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.9	107.9
115	31.1	10.8	50.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131942.D
Acq On : 6 Oct 2023 9:54 pm
Operator : nickw
Sample : icv5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 16:00:53 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:47:27 2023
Response via : Initial Calibration

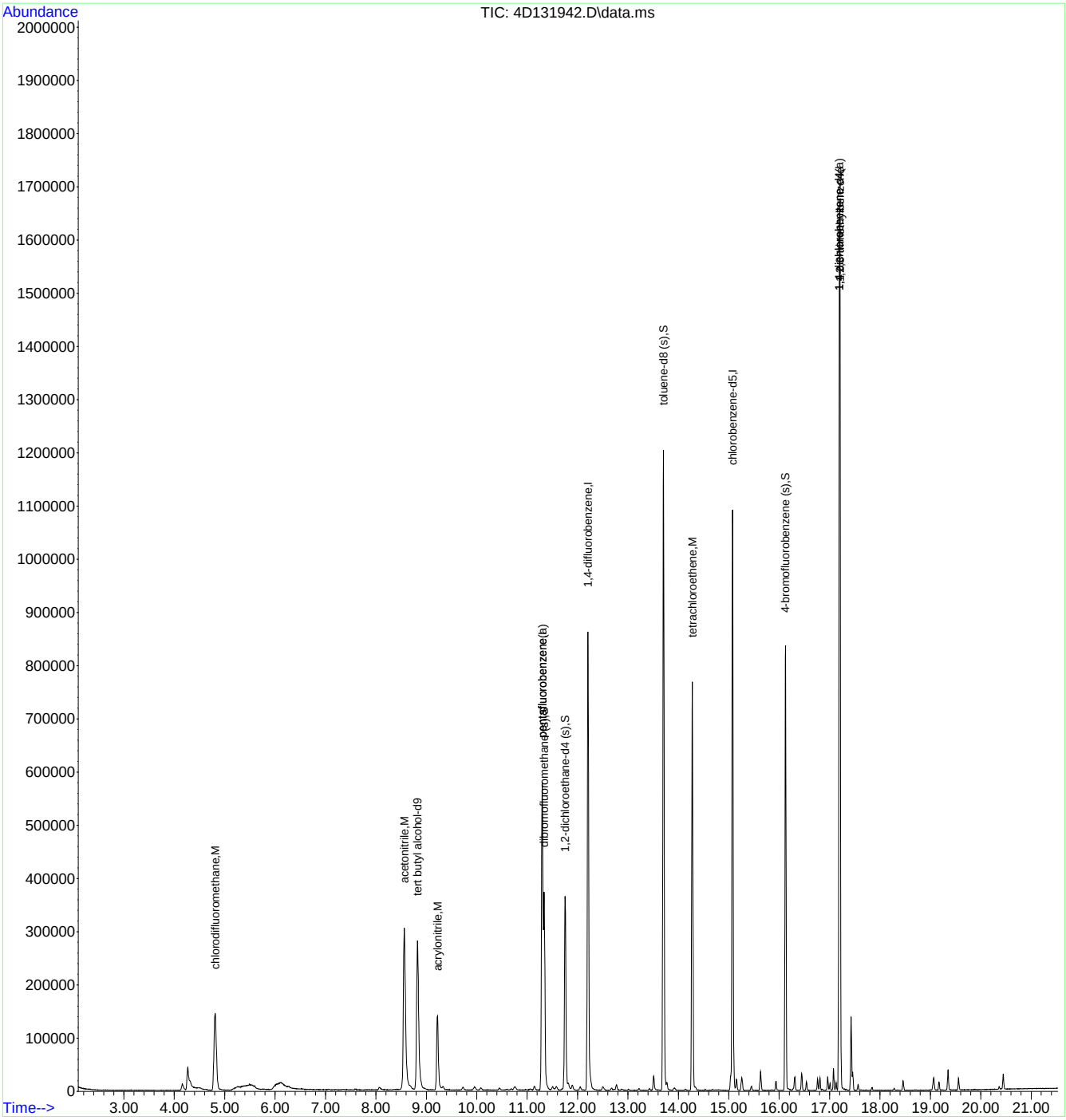
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.824	65	460340	500.00	ug/L	0.00
5) pentafluorobenzene	11.299	168	430626	50.00	ug/L	0.00
51) 1,4-difluorobenzene	12.206	114	712543	50.00	ug/L	0.00
73) chlorobenzene-d5	15.074	117	566019	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.192	152	245831	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.299	168	430626	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.192	152	245831	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.336	113	231485	50.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.72%			
52) 1,2-dichloroethane-d4 (s)	11.755	65	269074	51.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.90%			
74) toluene-d8 (s)	13.705	98	764747	51.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.04%			
97) 4-bromofluorobenzene (s)	16.122	95	261743	50.50	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.00%			
Target Compounds						Qvalue
6) chlorodifluoromethane	4.813	51	355228	59.08	ug/L	98
19) acetonitrile	8.562	41	502557	476.24	ug/L	100
30) acrylonitrile	9.223	53	139728	50.19	ug/L	97
79) tetrachloroethene	14.277	164	167509	51.02	ug/L	97
112) 1,2,3-trimethylbenzene	17.208	105	625637	53.35	ug/L	99

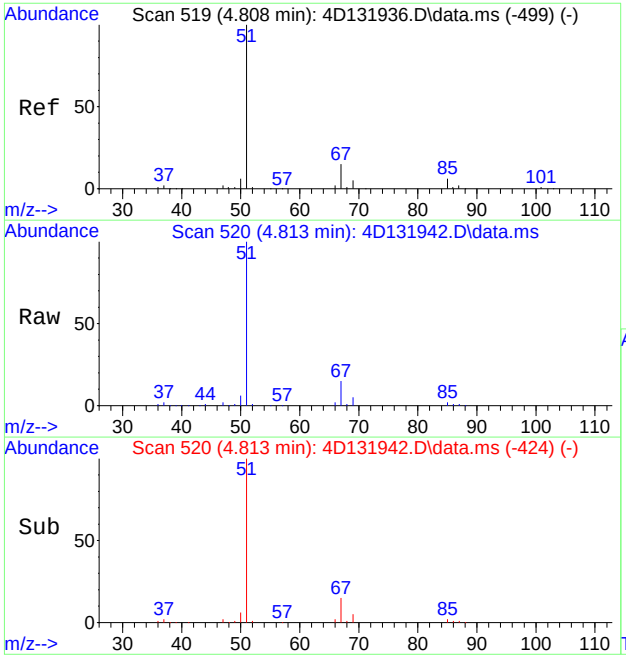
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V4D5842\
Data File : 4D131942.D
Acq On : 6 Oct 2023 9:54 pm
Operator : nickw
Sample : icv5842-50
Misc : MS73645,V4D5842,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 16:00:53 2023
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Mon Oct 09 15:47:27 2023
Response via : Initial Calibration

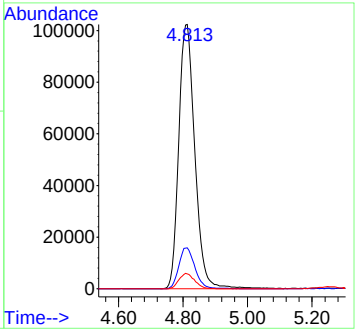


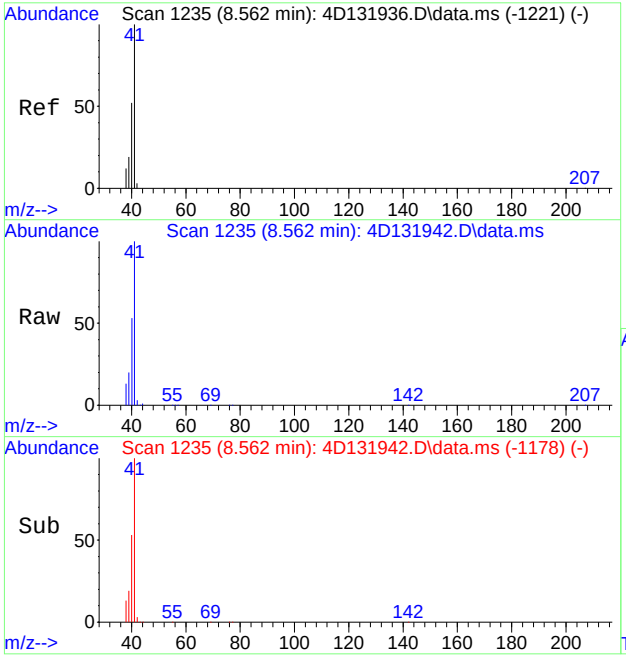


#6
chlorodifluoromethane
Concen: 59.08 ug/L
RT: 4.813 min Scan# 520
Delta R.T. 0.005 min
Lab File: 4D131942.D
Acq: 6 Oct 2023 9:54 pm

Tgt Ion: 51 Resp: 355228

Ion	Ratio	Lower	Upper
51	100		
67	15.5	0.0	45.1
50	5.6	0.0	36.9

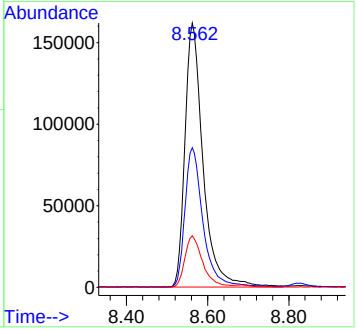


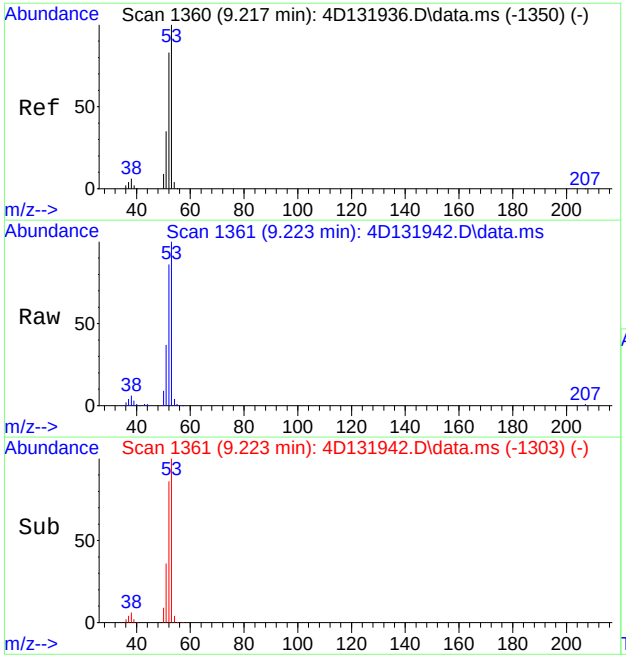


#19
acetonitrile
Concen: 476.24 ug/L
RT: 8.562 min Scan# 1235
Delta R.T. -0.000 min
Lab File: 4D131942.D
Acq: 6 Oct 2023 9:54 pm

Tgt Ion: 41 Resp: 502557

Ion	Ratio	Lower	Upper
41	100		
40	52.7	22.4	82.4
39	19.4	0.0	49.2

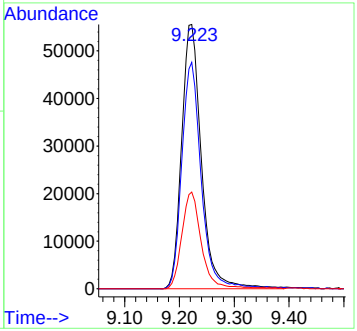


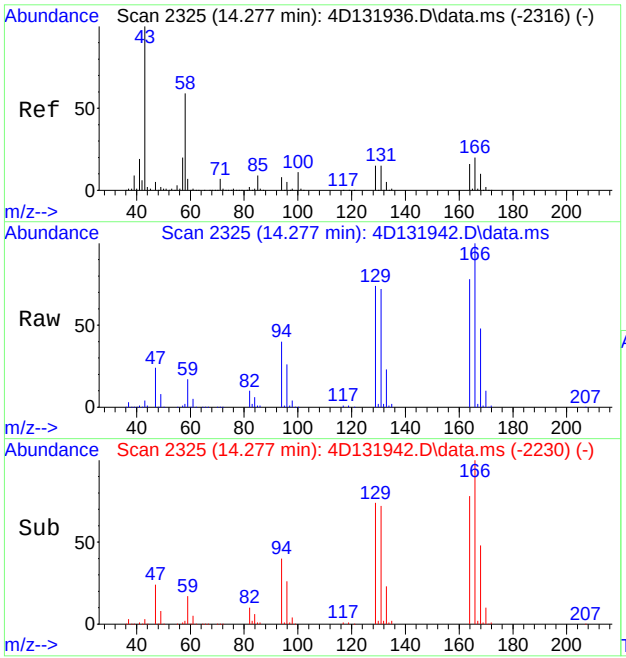


#30
acrylonitrile
Concen: 50.19 ug/L
RT: 9.223 min Scan# 1361
Delta R.T. 0.006 min
Lab File: 4D131942.D
Acq: 6 Oct 2023 9:54 pm

Tgt Ion: 53 Resp: 139728

Ion	Ratio	Lower	Upper
53	100		
52	85.6	53.4	113.4
51	36.6	5.0	65.0

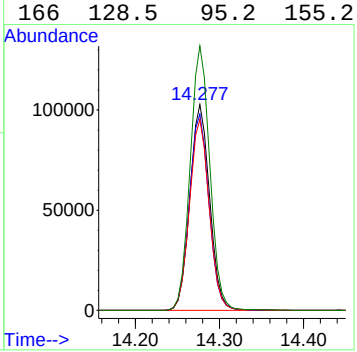


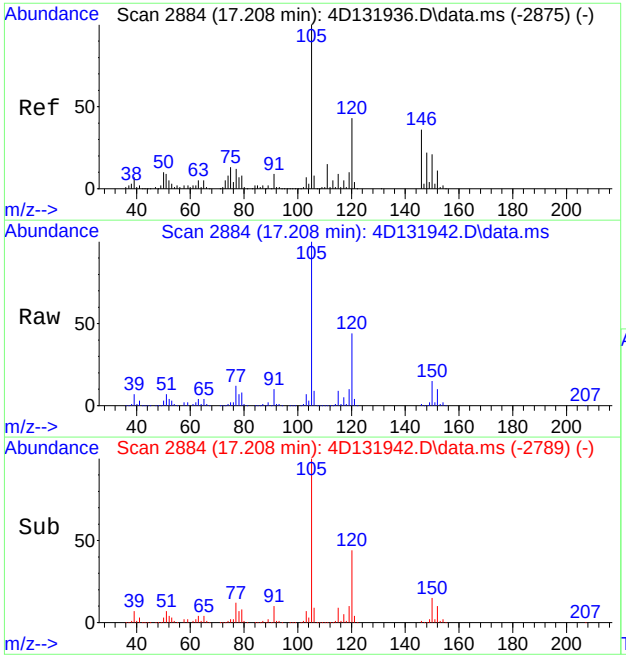


#79
tetrachloroethene
Concen: 51.02 ug/L
RT: 14.277 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 4D131942.D
Acq: 6 Oct 2023 9:54 pm

Tgt Ion:164 Resp: 167509

Ion	Ratio	Lower	Upper
164	100		
129	95.3	63.3	123.3
131	92.8	59.8	119.8
166	128.5	95.2	155.2

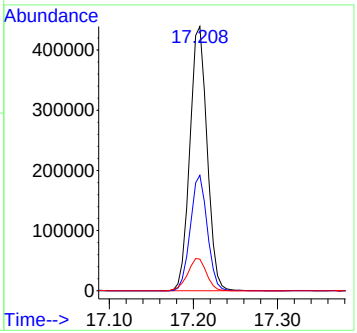




#112
1,2,3-trimethylbenzene
Concen: 53.35 ug/L
RT: 17.208 min Scan# 2884
Delta R.T. -0.000 min
Lab File: 4D131942.D
Acq: 6 Oct 2023 9:54 pm

Tgt Ion:105 Resp: 625637

Ion	Ratio	Lower	Upper
105	100		
120	43.7	12.6	72.6
77	12.0	0.0	42.2



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-06-2024 NS\V4D6052\
Data File : 4D137124a.D
Acq On : 6 Jun 2024 10:53 am
Operator : nickw
Sample : cc5842-20 Inst : GCMS4D
Misc : MS81702,V4D6052,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 20:42:38 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

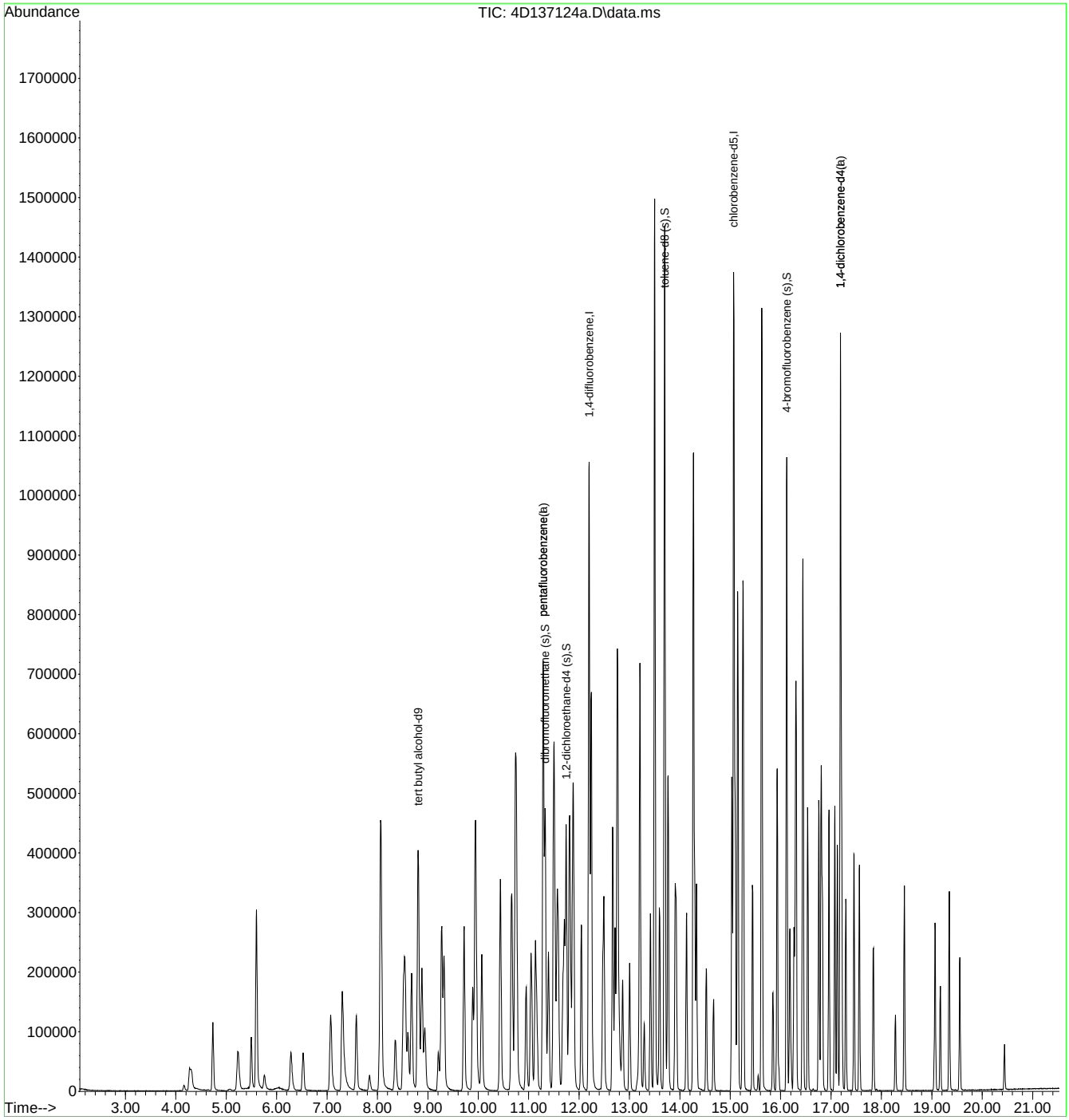
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.808	65	626388	500.00	ug/L	-0.02
5) pentafluorobenzene	11.288	168	515363	50.00	ug/L	-0.01
51) 1,4-difluorobenzene	12.201	114	892294	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	696266	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	300911	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.288	168	515363	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	300911	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.325	113	301617	54.83	ug/L	-0.02
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.66%			
52) 1,2-dichloroethane-d4 (s)	11.745	65	309424	47.24	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.48%			
74) toluene-d8 (s)	13.700	98	942232	51.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.20%			
97) 4-bromofluorobenzene (s)	16.122	95	344660	54.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.66%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\6. June\06-06-2024 NS\V4D6052\
Data File : 4D137124a.D
Acq On : 6 Jun 2024 10:53 am
Operator : nickw
Sample : cc5842-20 Inst : GCMS4D
Misc : MS81702,V4D6052,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 20:42:38 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137230a.d
Acq On : 11 Jun 2024 10:35 am
Operator : nickw
Sample : cc5842-20 Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 11 18:24:18 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration

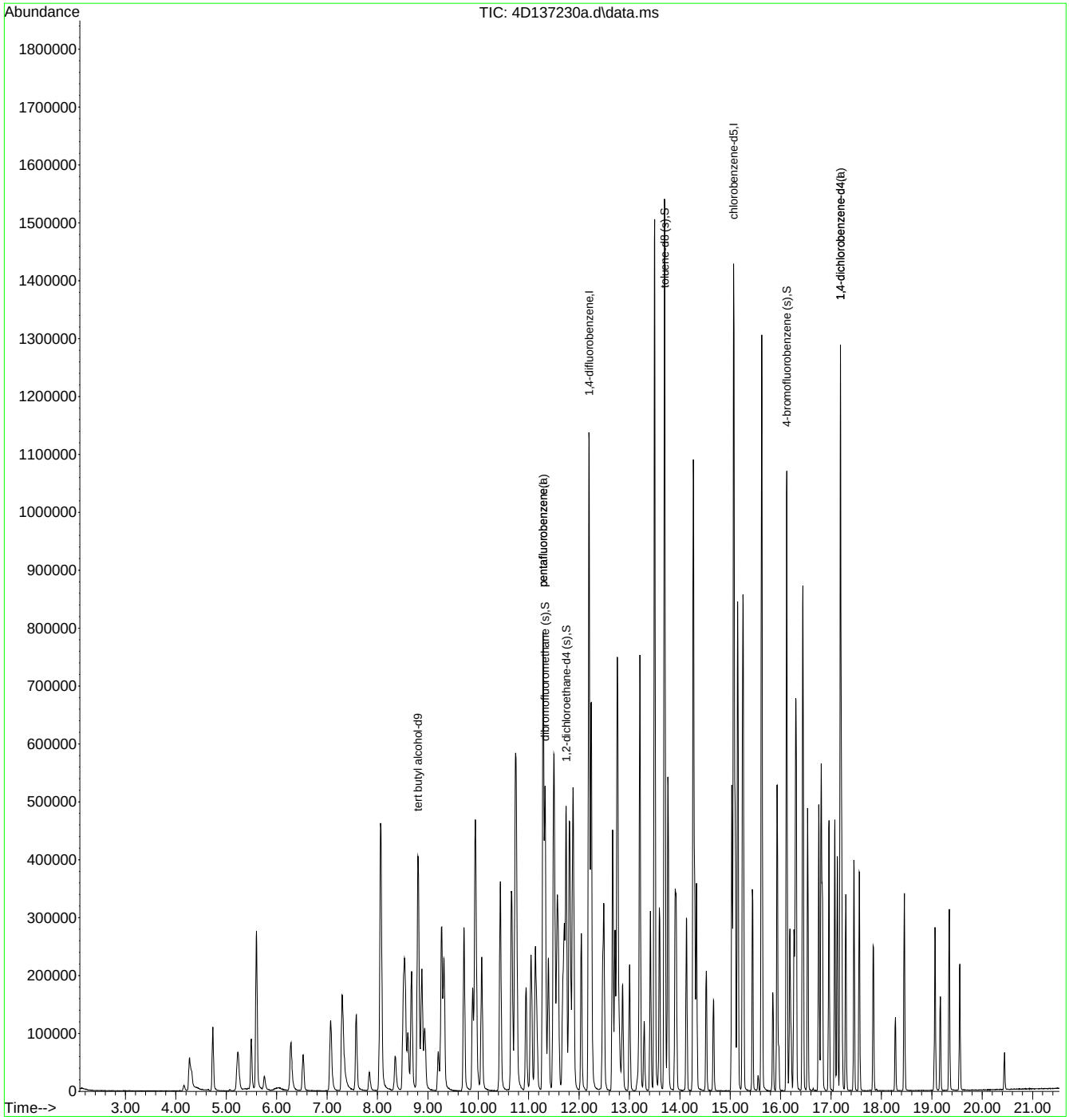
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	8.803	65	637766	500.00	ug/L	-0.03
5) pentafluorobenzene	11.288	168	571906	50.00	ug/L	-0.01
51) 1,4-difluorobenzene	12.201	114	968064	50.00	ug/L	0.00
73) chlorobenzene-d5	15.069	117	727783	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	17.187	152	301988	50.00	ug/L	0.00
124) pentafluorobenzene(a)	11.288	168	571906	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	17.187	152	301988	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	11.325	113	331862	54.36	ug/L	-0.02
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.72%			
52) 1,2-dichloroethane-d4 (s)	11.744	65	347685	48.93	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.86%			
74) toluene-d8 (s)	13.700	98	1009683	52.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.76%			
97) 4-bromofluorobenzene (s)	16.122	95	343793	54.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\June 2024\06-11-24\V4D6056\
Data File : 4D137230a.d
Acq On : 11 Jun 2024 10:35 am
Operator : nickw
Sample : cc5842-20 Inst : GCMS4D
Misc : MS81759,V4D6056,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 11 18:24:18 2024
Quant Method : C:\msdchem\1\methods\M4D5842.M
Quant Title : SW846 8260C/D/ EPA 624.1, DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Wed Mar 13 17:04:54 2024
Response via : Initial Calibration



SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/6/23

Standard data

Lot#	Expiration Date	concentration
AA:V023-2759-37.8	10/30/2023	100PPM
EC:V023-2759-46.5	10/13/2023	100PPM
ABK:V023-2759-50.3	11/7/2023	100-10000PPM

Lot#	Expiration Date	concentration
IS:V023-2759-45	11/5/2023	50-500PPM
EXT ABK v023-2759-40.16	11/1/2023	100-10000ppm
EXT EC v023-2759-41.6	10/8/2023	100ppm
EXT Acro v023-2759-48.12	11/6/2023	100ppm
chlorodifluoromethane v023-27	10/28/2023	100ppm
EXT PA v023-2759-12	10/8/2023	100/1000ppm

Batch ID: V4d5842

Print Analyst Name:
Prashant S
Analyst Signature:
Processed by: Mohui H
Columns:RTX-VMS(20mx18mmx1um)

Method:
V8260D
Initial Cal. Method:
M4d5842

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	M4D5842	4D131927			5mL			ok	
2	bfb	M4D5842	4D131928			5mL			ok	
3	ic5842-0.2	M4D5842	4D131929			5mL			ok	2 uL ABK EC AA / 1000 mL
4	ic5842-0.5	M4D5842	4D131930			5mL			ok	5 uL ABK EC AA / 1000 mL
5	ic5842-1	M4D5842	4D131931			5mL			ok	1 uL ABK EC AA / 100 mL
6	ic5842-2	M4D5842	4D131932			5mL			ok	2 uL ABK EC AA / 100 mL
7	ic5842-4	M4D5842	4D131933			5mL			ok	4 uL ABK EC AA / 100 mL
8	ic5842-8	M4D5842	4D131934			5mL			ok	8 uL ABK EC AA / 100 mL
9	ic5842-20	M4D5842	4D131935			5mL			ok	20 uL ABK EC AA / 100 mL
10	icc5842-50	M4D5842	4D131936			5mL			ok	50 uL ABK EC AA / 100 mL
11	ic5842-100	M4D5842	4D131937			5mL			ok	100 uL ABK EC AA / 100 mL
12	ic5842-200	M4D5842	4D131938			5mL			ok	200 uL ABK EC AA / 100 mL
13	ib	M4D5842	4D131939			5mL			ok	
14	ib	M4D5842	4D131940			5mL			ok	
15	icv5842-50	M4D5842	4D131941			5mL			ok	50 uL EXT ABK EC Acro / 100 mL
15	icv5842-50	M4D5842	4D131942			5mL			ok	50 uL EXT PA chlorodifluoromethane / 100 mL

VOLATILE by GCMS ANALYSIS LOG

Date: 6/6/24

Standard data

Lot#	Expiration Date	concentration
EXT ACR:V024-2780-65.1	6/23/2024	100PPM
EXT ABK:V024-2780-48.2	6/9/2024	100-10000ppm
EXT EC:v024-2780-86.2	6/13/2024	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS:V024-2780-84	7/5/2024	50-500PPM
pH paper:222221	8/1/2024	

Batch ID: v4d6052

Print Analyst Name:
Nicholas Weigand
Processed by: Claireb

Columns: Rxi-624(30mx0.25mmx1.4um)

Method:
V624.1
Initial Cal. Method: M4d5842

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	bfb	M4D5842	4D137123	MS81702,V4D6052,5,,,,1		5ml			OK	10:12 AM
2	cc5842-20/bs	M4D5842	4D137124	MS81702,V4D6052,5,,,,1		5ml			OK	20uL EXT ABK, EC, Acrolein /100m
3	ib	M4D5842	4D137125	MS81702,V4D6052,5,,,,1		5ml			OK	for nap c/o
4	mb	M4D5842	4D137126	MS81702,V4D6052,5,,,,1		5ml			OK	
5	jd89546-12	M4D5842	4D137127	MS81647,V4D6052,5,,,,1		5ml		1.5	OK	
6	jd89657-14	M4D5842	4D137128	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
7	jd89657-15	M4D5842	4D137129	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
8	jd89657-9	M4D5842	4D137130	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
9	jd89657-1	M4D5842	4D137131	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
10	jd89657-2	M4D5842	4D137132	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
11	jd89657-3	M4D5842	4D137133	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
12	jd89657-12	M4D5842	4D137134	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
13	jd89657-13	M4D5842	4D137135	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
14	jd89733-1	M4D5842	4D137136	MS81758,V4D6052,5,,,,1		5ml		6	OK	
15	jd89657-9ms	M4D5842	4D137137	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	8uL EXT ABK, EC, Acrolein /40ml
16	jd89657-9msd	M4D5842	4D137138	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	8uL EXT ABK, EC, Acrolein /40ml
17	ib	M4D5842	4D137139	MS81711,V4D6052,5,,,,1		5ml			OK	
18	jd89732-3	M4D5842	4D137140	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
19	jd89732-1	M4D5842	4D137141	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 6/6/24

Standard data

Lot#	Expiration Date	concentration
EXT ACR:V024-2780-65.1	6/23/2024	100PPM
EXT ABK:V024-2780-48.2	6/9/2024	100-10000ppm
EXT EC:v024-2780-86.2	6/13/2024	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS:V024-2780-84	7/5/2024	50-500PPM
pH paper:222221	8/1/2024	

Batch ID: v4d6052

Print Analyst Name:
Nicholas Weigand
Processed by: Claireb

Columns: Rxi-624(30mx0.25mmx1.4um)

Method:
V624.1
Initial Cal. Method: M4d5842

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
20	jd89699-1	M4D5842	4D137142	MS81759,V4D6052,5,,,,1		5ml		1.5	OK	
21	jd89699-2	M4D5842	4D137143	MS81759,V4D6052,5,,,,1		5ml		1.5	OK	
22	jd89699-3	M4D5842	4D137144	MS81759,V4D6052,5,,,,1		5ml		1.5	OK	
23	jd89757-1	M4D5842	4D137145	MS81783,V4D6052,5,,,,1		5ml		1.5	OK	
24	jd89733-2	M4D5842	4D137146	MS81758,V4D6052,5,,,,2		25ml/50ml		1.5	rr	o/d BTEXM
25	jd89733-2	M4D5842	4D137147	MS81758,V4D6052,5,,,,20		2.5ml/50ml		1.5	rr	10:26 PM; out of bfb; o/d BTEXM
26	ib	M4D5842	4D137148	MS81758,V4D6052,5,,,,1		5ml			OK	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 6/6/24

Standard data

Lot#	Expiration Date	concentration
EXT ACR:V024-2780-65.1	6/23/2024	100PPM
EXT ABK:V024-2780-48.2	6/9/2024	100-10000ppm
EXT EC:v024-2780-86.2	6/13/2024	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS:V024-2780-84	7/5/2024	50-500PPM
pH paper:222221	8/1/2024	

Batch ID: v4d6052

Print Analyst Name:
Nicholas Weigand
Processed by: Claireb

Columns: Rxi-624(30mx0.25mmx1.4um)

Method:
V624.1
Initial Cal. Method: M4d5842

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	bfb	M4D5842	4D137123	MS81702,V4D6052,5,,,,1		5ml			OK	10:12 AM
2	cc5842-20/bs	M4D5842	4D137124	MS81702,V4D6052,5,,,,1		5ml			OK	20uL EXT ABK, EC, Acrolein /100m
3	ib	M4D5842	4D137125	MS81702,V4D6052,5,,,,1		5ml			OK	for nap c/o
4	mb	M4D5842	4D137126	MS81702,V4D6052,5,,,,1		5ml			OK	
5	jd89546-12	M4D5842	4D137127	MS81647,V4D6052,5,,,,1		5ml		1.5	OK	
6	jd89657-14	M4D5842	4D137128	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
7	jd89657-15	M4D5842	4D137129	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
8	jd89657-9	M4D5842	4D137130	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
9	jd89657-1	M4D5842	4D137131	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
10	jd89657-2	M4D5842	4D137132	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
11	jd89657-3	M4D5842	4D137133	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
12	jd89657-12	M4D5842	4D137134	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
13	jd89657-13	M4D5842	4D137135	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
14	jd89733-1	M4D5842	4D137136	MS81758,V4D6052,5,,,,1		5ml		6	OK	
15	jd89657-9ms	M4D5842	4D137137	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	8uL EXT ABK, EC, Acrolein /40ml
16	jd89657-9msd	M4D5842	4D137138	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	8uL EXT ABK, EC, Acrolein /40ml
17	ib	M4D5842	4D137139	MS81711,V4D6052,5,,,,1		5ml			OK	
18	jd89732-3	M4D5842	4D137140	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	
19	jd89732-1	M4D5842	4D137141	MS81711,V4D6052,5,,,,1		5ml		1.5	OK	

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VOLATILE by GCMS ANALYSIS LOG

Date: 6/6/24

Standard data

Lot#	Expiration Date	concentration
EXT ACR:V024-2780-65.1	6/23/2024	100PPM
EXT ABK:V024-2780-48.2	6/9/2024	100-10000ppm
EXT EC:v024-2780-86.2	6/13/2024	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS:V024-2780-84	7/5/2024	50-500PPM
pH paper:222221	8/1/2024	

Batch ID: v4d6052

Print Analyst Name:
Nicholas Weigand
Processed by: Claireb

Columns: Rxi-624(30mx0.25mmx1.4um)

Method:
V624.1
Initial Cal. Method: M4d5842

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
20	jd89699-1	M4D5842	4D137142	MS81759,V4D6052,5,,,,1		5ml		1.5	OK	
21	jd89699-2	M4D5842	4D137143	MS81759,V4D6052,5,,,,1		5ml		1.5	OK	
22	jd89699-3	M4D5842	4D137144	MS81759,V4D6052,5,,,,1		5ml		1.5	OK	
23	jd89757-1	M4D5842	4D137145	MS81783,V4D6052,5,,,,1		5ml		1.5	OK	
24	jd89733-2	M4D5842	4D137146	MS81758,V4D6052,5,,,,2		25ml/50ml		1.5	rr	o/d BTEXM
25	jd89733-2	M4D5842	4D137147	MS81758,V4D6052,5,,,,20		2.5ml/50ml		1.5	rr	10:26 PM; out of bfb; o/d BTEXM
26	ib	M4D5842	4D137148	MS81758,V4D6052,5,,,,1		5ml			OK	

2Q 2024 Vapor

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

US-WSP-31405608.001/TASK02 ;PO# P101212U5001

SGS Job Number: JD89772

Sampling Date: 06/03/24

Report to:

dave.rykaczewski@wsp.com

ATTN: Distribution5

Total number of pages in report: **19**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD89772

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02 ;PO# P101212U5001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD89772-1	06/03/24	16:00	KGG	06/04/24	AIR	Indoor Air Comp.	VINF
JD89772-2	06/03/24	16:05	KGG	06/04/24	AIR	Indoor Air Comp.	VPOST GAC

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: WSP USA Environment & Infrastructure Inc **Job No:** JD89772

Site: EPT, Ithaca, NY **Report Date** 6/17/2024 4:32:03 PM

On 06/04/2024, 2 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JD89772 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V3W3431

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD89337-3DUP were used as the QC samples indicated.
- The duplicate RPD(s) for Carbon disulfide, Isopropyl Alcohol are outside control limits for sample JD89337-3DUP. Outside control limits.
- JD89772-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V3W3431-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V3W3431-BS for Dibromochloromethane: High percent recovery and no associated positive reported in the QC batch.
- V3W3431-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- V3W3431-BS for p-Dichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- V3W3431-BS for 1,2,4-Trichlorobenzene: Outside in house control limits.
- V3W3431-BS for 1,2,4-Trimethylbenzene: Outside in house control limits.
- V3W3431-BS for m-Dichlorobenzene: Outside in house control limits.
- JD89772-1 for Benzyl Chloride: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD89772-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD89772-1 for m-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high. This compound in blank spike is outside in house QC limits bias high.
- JD89772-1 for Dibromochloromethane: This compound in blank spike is outside in house QC limits bias high.
- JD89772-1 for Hexachlorobutadiene: This compound in blank spike is outside in house QC limits bias high.
- JD89772-1 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD89772-1 for Trichlorofluoromethane: This compound in blank spike is outside in house QC limits bias high.
- JD89772-1 for 1,2,4-Trimethylbenzene: This compound in blank spike is outside in house QC limits bias high.
- V3W3431-BS for Benzyl Chloride: Outside in house control limits.

Matrix: AIR **Batch ID:** V7W282

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD90345-1DUP were used as the QC samples indicated.

Matrix: AIR **Batch ID:** V8W222

- All samples were analyzed within the recommended method holding time.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V8W222

- Sample(s) JD89776-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The duplicate RPD(s) for Isopropyl Alcohol are outside control limits for sample JD89776-1DUP. Outside control limits.
- JD89772-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD89772-2 for o-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD89772-2 for 1,2,4-Trimethylbenzene: This compound in blank spike is outside in house QC limits bias high.
- JD89772-2 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V8W222-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- V8W222-BS for Benzyl Chloride: High percent recovery and no associated positive reported in the QC batch.
- V8W222-BS for 1,2,4-Trimethylbenzene: High percent recovery and no associated positive reported in the QC batch.
- V8W222-BS for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- JD89772-2 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD89772-2 for Benzyl Chloride: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD89772
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 06/03/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD89772-1	**VINF**					
Acetone (2-Propanone)		6.8	0.80	0.58	ppbv	TO-15
Chloromethane		0.60 J	0.80	0.36	ppbv	TO-15
1,1-Dichloroethylene		0.97	0.16	0.24	ppbv	TO-15
trans-1,2-Dichloroethylene		2.1	0.80	0.11	ppbv	TO-15
cis-1,2-Dichloroethylene		335	2.6	1.9	ppbv	TO-15
Ethanol		3.4	2.0	1.6	ppbv	TO-15
Hexane		0.57 J	0.80	0.21	ppbv	TO-15
Methylene chloride		1.2	0.80	0.53	ppbv	TO-15
Methyl ethyl ketone		1.0	0.80	0.44	ppbv	TO-15
Trichloroethylene		146	0.16	0.076	ppbv	TO-15
Vinyl chloride		6.7	0.16	0.28	ppbv	TO-15
Acetone (2-Propanone)		16	1.9	1.4	ug/m3	TO-15
Chloromethane		1.2 J	1.7	0.74	ug/m3	TO-15
1,1-Dichloroethylene		3.8	0.63	0.95	ug/m3	TO-15
trans-1,2-Dichloroethylene		8.3	3.2	0.44	ug/m3	TO-15
cis-1,2-Dichloroethylene		1330	10	7.5	ug/m3	TO-15
Ethanol		6.4	3.8	3.0	ug/m3	TO-15
Hexane		2.0 J	2.8	0.74	ug/m3	TO-15
Methylene chloride		4.2	2.8	1.8	ug/m3	TO-15
Methyl ethyl ketone		2.9	2.4	1.3	ug/m3	TO-15
Trichloroethylene		785	0.86	0.41	ug/m3	TO-15
Vinyl chloride		17	0.41	0.72	ug/m3	TO-15
JD89772-2	**VPOST GAC**					
Acetone (2-Propanone)		10.3	0.80	0.58	ppbv	TO-15
Benzene		0.64 J	0.80	0.19	ppbv	TO-15
Chloromethane		0.71 J	0.80	0.36	ppbv	TO-15
Dichlorodifluoromethane		0.43 J	0.80	0.42	ppbv	TO-15
cis-1,2-Dichloroethylene		46.1	0.16	0.12	ppbv	TO-15
Ethanol		6.7	2.0	1.6	ppbv	TO-15
Hexane		41.0	0.80	0.21	ppbv	TO-15
Isopropyl Alcohol		4.9	0.80	0.56	ppbv	TO-15
Methylene chloride		20.2	0.80	0.53	ppbv	TO-15
Methyl ethyl ketone		0.66 J	0.80	0.44	ppbv	TO-15
Trichloroethylene		20.5	0.16	0.076	ppbv	TO-15
Trichlorofluoromethane		1.4	0.40	0.62	ppbv	TO-15
Vinyl chloride		0.51	0.16	0.28	ppbv	TO-15
Acetone (2-Propanone)		24.5	1.9	1.4	ug/m3	TO-15
Benzene		2.0 J	2.6	0.61	ug/m3	TO-15
Chloromethane		1.5 J	1.7	0.74	ug/m3	TO-15
Dichlorodifluoromethane		2.1 J	4.0	2.1	ug/m3	TO-15
cis-1,2-Dichloroethylene		183	0.63	0.48	ug/m3	TO-15

Summary of Hits

Job Number: JD89772
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 06/03/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Ethanol		13	3.8	3.0	ug/m3	TO-15
Hexane		145	2.8	0.74	ug/m3	TO-15
Isopropyl Alcohol		12	2.0	1.4	ug/m3	TO-15
Methylene chloride		70.2	2.8	1.8	ug/m3	TO-15
Methyl ethyl ketone		1.9 J	2.4	1.3	ug/m3	TO-15
Trichloroethylene		110	0.86	0.41	ug/m3	TO-15
Trichlorofluoromethane		7.9	2.2	3.5	ug/m3	TO-15
Vinyl chloride		1.3	0.41	0.72	ug/m3	TO-15

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: VINF
Lab Sample ID: JD89772-1
Matrix: AIR - Indoor Air Comp. Summa ID: A1128
Method: TO-15
Project: EPT, Ithaca, NY

Date Sampled: 06/03/24
Date Received: 06/04/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W87076.D	1.6	06/14/24 08:00	TS	n/a	n/a	V3W3431
Run #2	7W07491.D	1.6	06/14/24 20:59	TS	n/a	n/a	V7W282

	Initial Volume
Run #1	160 ml
Run #2	10.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	6.8	0.80	0.58	ppbv		16	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.19	ppbv		ND	2.6	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform [a]	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride [a]	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.60	0.80	0.36	ppbv	J	1.2	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.18	ppbv		ND	2.8	0.62	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.97	0.16	0.24	ppbv		3.8	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.19	ppbv		ND	2.9	0.68	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.80	0.42	ppbv		ND	4.0	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane [b]	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	2.1	0.80	0.11	ppbv		8.3	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	335 [c]	2.6	1.9	ppbv		1330 [c]	10	7.5	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene [d]	ND	0.40	0.53	ppbv		ND	2.4	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.28	ppbv		ND	0.96	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene [b]	ND	0.40	0.32	ppbv		ND	2.4	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: VINF
Lab Sample ID: JD89772-1
Matrix: AIR - Indoor Air Comp. Summa ID: A1128
Method: TO-15
Project: EPT, Ithaca, NY

Date Sampled: 06/03/24
Date Received: 06/04/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	3.4	2.0	1.6	ppbv		6.4	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.42	ppbv		ND	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.36	ppbv		ND	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	0.57	0.80	0.21	ppbv	J	2.0	2.8	0.74	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.56	ppbv		ND	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	1.2	0.80	0.53	ppbv		4.2	2.8	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.0	0.80	0.44	ppbv		2.9	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	ND	2.0	0.57	ppbv		ND	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.21	ppbv		ND	3.4	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.31	ppbv		ND	2.2	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [a]	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene [b]	ND	0.80	0.35	ppbv		ND	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.16	ppbv		ND	3.7	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.37	ppbv		ND	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.056	ppbv		ND	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	ND	0.80	0.23	ppbv		ND	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	146	0.16	0.076	ppbv		785	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane [b]	ND	0.40	0.62	ppbv		ND	2.2	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	6.7	0.16	0.28	ppbv		17	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.45	ppbv		ND	2.8	1.6	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.56	ppbv		ND	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%	100%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD89772-1	**Date Sampled:**	06/03/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1128	**Date Received:**	06/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Result is from Run# 2
(d) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD89772-2	**Date Sampled:**	06/03/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A439	**Date Received:**	06/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8W05864.D	1	06/14/24 17:56	TCH	n/a	n/a	V8W222
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	10.3	0.80	0.58	ppbv		24.5	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	0.64	0.80	0.19	ppbv	J	2.0	2.6	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride [a]	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.71	0.80	0.36	ppbv	J	1.5	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.18	ppbv		ND	2.8	0.62	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.19	ppbv		ND	2.9	0.68	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.80	0.42	ppbv	J	2.1	4.0	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.11	ppbv		ND	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	46.1	0.16	0.12	ppbv		183	0.63	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	0.53	ppbv		ND	2.4	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene [b]	ND	0.16	0.28	ppbv		ND	0.96	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene [b]	ND	0.40	0.32	ppbv		ND	2.4	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD89772-2	**Date Sampled:**	06/03/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A439	**Date Received:**	06/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	6.7	2.0	1.6	ppbv		13	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.42	ppbv		ND	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.36	ppbv		ND	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene [a]	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	41.0	0.80	0.21	ppbv		145	2.8	0.74	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.9	0.80	0.56	ppbv		12	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	20.2	0.80	0.53	ppbv		70.2	2.8	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.66	0.80	0.44	ppbv	J	1.9	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	ND	2.0	0.57	ppbv		ND	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.21	ppbv		ND	3.4	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.31	ppbv		ND	2.2	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [a]	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene [b]	ND	0.80	0.35	ppbv		ND	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.16	ppbv		ND	3.7	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.37	ppbv		ND	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.056	ppbv		ND	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	ND	0.80	0.23	ppbv		ND	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	20.5	0.16	0.076	ppbv		110	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.4	0.40	0.62	ppbv		7.9	2.2	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	0.51	0.16	0.28	ppbv		1.3	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.45	ppbv		ND	2.8	1.6	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.56	ppbv		ND	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD89772-2	**Date Sampled:**	06/03/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A439	**Date Received:**	06/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

AIR CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329 0200
www.sgs.com/ehsusa

PAGE ___ OF ___

Air

Client / Reporting Information				Project Information		Weather Parameters		Requested Analysis
Company Name: WSP USA Inc.				Project Name: EMERSON (Ithaca NY)		Temperature (Fahrenheit) Start: 77 Maximum: 77 Stop 77 Minimum: 77		
Address: 5411 SkyCenter Drive, Suite 650				Street: 620 South Aurora St				
City: Tampa	State: FL	Zip: 33607		City: Ithaca NY	State:	Atmoshpheric Pressure (inches of Hg) Start: 29.92 Maximum: 29.92 Stop: 29.92 Minimum: 29.92		
Project Contact: Jeffrey Baker	E-mail: Jeffrey.Baker@wsp.com			Project #: us-wsp-31405608.001 / Task 02				
Phone #: (724)882-9723	Fax #:			Client Purchase Order #: P101212US001				
Sampler(s) Name(s): Kevin Griswold (607) 351-8237						Other weather comment: Indoors		

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	VTO15/NJSULL (1 L Grab Sample)			
1	VINF	I	A1128	1L	N/A	06/03/24	1600		77	KGG	06/03/24	1600		77	KGG	X			
2	VpostGAC	I	A439	1L	N/A	06/03/24	1605		77	KGG	06/03/24	1605		77	KGG	X			

Initial Assessment: 4BJO
Label Verification:

Turnaround Time (Business days)
- Standard - 15 Days
- 10 Day
- [X] 5 Day
- 3 Day
- 2 Day
- 1 Day
- Other

Approved By: ___
Date: ___

Data Deliverable Information
All NJDEP TO-15 is Mandatory Full T1
- Comm A [X]
- Comm B
- Reduced T2
- Full T1
- Other:
- DKQP reporting

Comments / Remarks
Please see LTO for full Data Deliverable package

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory: 1 FedEx Overnight	Date Time: 6/4 1030	Received By:	Relinquished By: 2	Date Time: 06/03/24@1700	Received By: 2 FedEx
Relinquished by: 3 FedEx	Date Time: 6/4 1030	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

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JD89772: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: JD89772 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 6/4/2024 10:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JD89772

Requested Date:	6/7/2024	**Received Date:**	6/4/2024
Account Name:	WSP USA Environment & Infrastr	**Due Date:**	6/7/2024
Project Description:	EPT, Ithaca, NY	**Deliverable:**	COMMA
C/O Initiated By:	SARAH_YE **PM:** TM	**TAT (Days):**	7

==========

Sample #: JD89772--1,-2 **Dept:**

Client ID: **TAT:** 7

Change: Revise deliverable to NYASPB

Above Changes Per: Jeffrey Baker **Date/Time:** 6/7/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

JD89772: Chain of Custody
Page 3 of 3

Summa Canister and Flow Controller Log

Job Number: JD89772
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Received: 06/04/24

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1128	1	29	03/31/24	ML	CP12417	7W03759.D	JD89772-1	06/06/24	JT	10		1	1.6
A439	1	29	03/31/24	ML	CP12615	3W84730.D	JD89772-2	06/06/24	JT	1			1

SGS Bottle Order(s):
TS1-112123-60

Prep Date	Room Temp(F)	Bar Pres "Hg
03/31/24	70	29.92

3Q 2024 Aqueous

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

US-WSP-31405608.001/TASK02; PO#P101212US001

SGS Job Number: JD92986

Sampling Date: 07/25/24

Report to:

dave.rykaczewski@wsp.com

ATTN: Distribution5

Total number of pages in report: 17

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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EHS.US.CustomerCare@sgs.com

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Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD92986

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02; PO#P101212US001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD92986-1	07/25/24	12:20	KGG	07/26/24	AQ	Water	WPOST GAC
JD92986-2	07/25/24	12:30	KGG	07/26/24	AQ	Water	WMID GAC
JD92986-3	07/25/24	12:42	KGG	07/26/24	AQ	Water	WAS
JD92986-4	07/25/24	12:51	KGG	07/26/24	AQ	Influent	WINF

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: WSP USA Environment & Infrastructure Inc **Job No:** JD92986

Site: EPT, Ithaca, NY **Report Date** 8/5/2024 5:26:06 PM

On 07/26/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.5 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD92986 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method EPA 624.1

Matrix: AQ **Batch ID:** V1E8867

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD92706-17MS, JD92706-17MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** V1E8869

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD92986-4MS, JD92986-4MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of Methylcyclohexane are outside control limits. Outside control limits due to matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of Methylcyclohexane are outside control limits. Outside control limits due to matrix interference.
- JD92986-4: Dilution required due to high concentration of target compound.

Matrix: AQ **Batch ID:** V2E8867

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD92706-12MS, JD92706-12MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: AQ **Batch ID:** V2R369

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD93225-1MS, JD93225-1MSD were used as the QC samples indicated.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD92986
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 07/25/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD92986-1	**WPOST GAC**					
cis-1,2-Dichloroethene		3.6	1.0	0.51	ug/l	EPA 624.1
JD92986-2	**WMID GAC**					
No hits reported in this sample.						
JD92986-3	**WAS**					
cis-1,2-Dichloroethene		1.2	1.0	0.51	ug/l	EPA 624.1
JD92986-4	**WINF**					
1,1-Dichloroethene [a]		9.2	5.0	2.2	ug/l	EPA 624.1
cis-1,2-Dichloroethene		4150	50	25	ug/l	EPA 624.1
trans-1,2-Dichloroethene [a]		29.2	5.0	2.3	ug/l	EPA 624.1
Trichloroethene		2610	50	21	ug/l	EPA 624.1
Vinyl chloride [a]		22.3	5.0	3.9	ug/l	EPA 624.1

(a) Dilution required due to high concentration of target compound.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WPOST GAC		
Lab Sample ID:	JD92986-1	**Date Sampled:**	07/25/24
Matrix:	AQ - Water	**Date Received:**	07/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1E182941.D	1	07/29/24 18:29	NW	n/a	n/a	V1E8867
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.6	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WPOST GAC		
Lab Sample ID:	JD92986-1	**Date Sampled:**	07/25/24
Matrix:	AQ - Water	**Date Received:**	07/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	98%		80-128%
2037-26-5	Toluene-D8 (SUR)	98%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	91%		79-117%
1868-53-7	Dibromofluoromethane (S)	109%		84-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WMID GAC		
Lab Sample ID:	JD92986-2	**Date Sampled:**	07/25/24
Matrix:	AQ - Water	**Date Received:**	07/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E182942.D	1	07/29/24 18:43	NW	n/a	n/a	V2E8867
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WMID GAC		
Lab Sample ID:	JD92986-2	**Date Sampled:**	07/25/24
Matrix:	AQ - Water	**Date Received:**	07/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	98%		80-128%
2037-26-5	Toluene-D8 (SUR)	97%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	97%		79-117%
1868-53-7	Dibromofluoromethane (S)	110%		84-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WAS		
Lab Sample ID:	JD92986-3	**Date Sampled:**	07/25/24
Matrix:	AQ - Water	**Date Received:**	07/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1E182943.D	1	07/29/24 18:57	NW	n/a	n/a	V1E8867
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.2	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WAS		
Lab Sample ID:	JD92986-3	**Date Sampled:**	07/25/24
Matrix:	AQ - Water	**Date Received:**	07/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.41	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	97%		80-128%
2037-26-5	Toluene-D8 (SUR)	98%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	93%		79-117%
1868-53-7	Dibromofluoromethane (S)	108%		84-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WINF		
Lab Sample ID:	JD92986-4	**Date Sampled:**	07/25/24
Matrix:	AQ - Influent	**Date Received:**	07/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1E182978.D	5	07/31/24 17:27	NW	n/a	n/a	V1E8869
Run #2	2R11611.D	50	08/02/24 13:39	NW	n/a	n/a	V2R369

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	15	ug/l	
71-43-2	Benzene	ND	5.0	3.6	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	4.7	ug/l	
75-25-2	Bromoform	ND	5.0	3.0	ug/l	
74-83-9	Bromomethane	ND	5.0	4.3	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	9.9	ug/l	
75-15-0	Carbon disulfide	ND	5.0	2.6	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	4.4	ug/l	
75-00-3	Chloroethane	ND	5.0	2.7	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.9	ug/l	
98-82-8	Cumene	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	10	3.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	4.9	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.4	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	4.6	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	3.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.1	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	4.8	ug/l	
75-35-4	1,1-Dichloroethene	9.2	5.0	2.2	ug/l	
156-59-2	cis-1,2-Dichloroethene	4150 [b]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	29.2	5.0	2.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	4.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	4.6	ug/l	
100-41-4	Ethylbenzene	ND	5.0	4.2	ug/l	
76-13-1	Freon 113	ND	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	25	8.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WINF		
Lab Sample ID:	JD92986-4	**Date Sampled:**	07/25/24
Matrix:	AQ - Influent	**Date Received:**	07/26/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	16	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
79-20-9	Methyl Acetate	ND	25	3.2	ug/l	
108-87-2	Methylcyclohexane	ND	25	7.2	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.6	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.0	ug/l	
108-88-3	Toluene	ND	5.0	3.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/l	
79-01-6	Trichloroethene	2610 [b]	50	21	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	1.7	ug/l	
75-01-4	Vinyl chloride	22.3	5.0	3.9	ug/l	
1330-20-7	Xylenes (total)	ND	5.0	3.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	94%	95%	80-128%
2037-26-5	Toluene-D8 (SUR)	98%	107%	82-113%
460-00-4	4-Bromofluorobenzene (SUR)	93%	101%	79-117%
1868-53-7	Dibromofluoromethane (S)	105%	92%	84-121%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

WW

FED-EX Tracking #: 6624TCL42
Bottle Order Control #: TSI-112123-57
SGS Quote #:
SGS Job #: JD92986

Client / Reporting Information

Company Name: WSP USA Inc.
Street Address: 5411 SkyCenter Drive, Suite 650
City: Tampa State: FL Zip: 33607
Project Contact: Jeffrey Baker E-mail: Jeffrey.Baker@wsp.com; us-wsp-3114568.001@mail.
Phone #: 7248829723
Sampler(s) Name(s): Kevin Griswold Phone #: (607)5518239

Project Information

Project Name: Emerson (Ithaca, NY)
Street: 670 South Aurora
City: Ithaca State: NY
Project #:
Client Purchase Order #: P101212US001
Project Manager: Jeffrey Baker

Billing Information (if different from Report to)

Company Name: WSP USA Inc
Street Address: 13530 Dulles Technology Drive
City: Herndon State: VA Zip: 20171
Attention: Environment Accounts Payable

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	WpostGAC		07/25/24	1220	KG	C	N	WW	4	4								X	
2	WmidGAC			1230														X	
3	WAS			1242														X	
4	WINF			1251														X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Full Level III Deliverable Package. See Lab Task Order

•QC vol

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	07/25/24 1700	1 FedEx	2 fedex	7/26 1030	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: See Sample Receipt Summary; On Ice; Cooler Temp. °C: 2.1 / 1.0

EHSA-QAC-0023-05 Rev.Date:8/5/22

5.1 5

SGS Sample Receipt Summary

Job Number: JD92986 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 7/26/2024 10:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD92986: Chain of Custody
Page 2 of 2

3Q 2024 Vapor

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

US-WSP-31405608.001/TASK02 ;PO# P101212U5001

SGS Job Number: JD92894

Sampling Date: 07/25/24

Report to:

dave.rykaczewski@wsp.com

ATTN: Distribution5

Total number of pages in report: 17

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

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Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD92894

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02 ;PO# P101212U5001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD92894-1	07/25/24	13:15	KGG	07/26/24	AIR	Indoor Air Comp.	VINF
JD92894-2	07/25/24	13:19	KGG	07/26/24	AIR	Indoor Air Comp.	VPOST GAC

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	WSP USA Environment & Infrastructure Inc	**Job No:**	JD92894
Site:	EPT, Ithaca, NY	**Report Date**	8/12/2024 7:07:21 AM

On 07/26/2024, 2 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS). The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD92894 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V3W3477

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD93008-4DUP were used as the QC samples indicated.
- The duplicate RPD(s) for Methylmethacrylate, Propylene, Dichlorodifluoromethane are outside control limits for sample JD93008-4DUP. RPD acceptable due to low DUP and sample concentrations.
- JD92894-2 for Benzyl Chloride: Associated ICV outside of control limits high, sample was ND.
- JD92894-1 for Benzyl Chloride: Associated ICV outside of control limits high, sample was ND.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD92894
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 07/25/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD92894-1	**VINF**					
Acetone (2-Propanone)		5.8	0.16	0.12	ppbv	TO-15
Benzene		0.078 J	0.16	0.038	ppbv	TO-15
Chloromethane		0.43	0.16	0.072	ppbv	TO-15
Dichlorodifluoromethane		0.33	0.16	0.083	ppbv	TO-15
cis-1,2-Dichloroethylene		5.3	0.032	0.024	ppbv	TO-15
Ethanol		1.1	0.40	0.32	ppbv	TO-15
Hexane		0.57	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol		0.22	0.16	0.11	ppbv	TO-15
Methylene chloride		1.2	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone		0.39	0.16	0.088	ppbv	TO-15
Trichloroethylene		3.5	0.032	0.015	ppbv	TO-15
Trichlorofluoromethane		0.21	0.080	0.12	ppbv	TO-15
Acetone (2-Propanone)		14	0.38	0.29	ug/m3	TO-15
Benzene		0.25 J	0.51	0.12	ug/m3	TO-15
Chloromethane		0.89	0.33	0.15	ug/m3	TO-15
Dichlorodifluoromethane		1.6	0.79	0.41	ug/m3	TO-15
cis-1,2-Dichloroethylene		21	0.13	0.095	ug/m3	TO-15
Ethanol		2.1	0.75	0.60	ug/m3	TO-15
Hexane		2.0	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol		0.54	0.39	0.27	ug/m3	TO-15
Methylene chloride		4.2	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone		1.2	0.47	0.26	ug/m3	TO-15
Trichloroethylene		19	0.17	0.081	ug/m3	TO-15
Trichlorofluoromethane		1.2	0.45	0.67	ug/m3	TO-15
JD92894-2	**VPOST GAC**					
Acetone (2-Propanone)		8.1	0.41	0.30	ppbv	TO-15
Benzene		0.40 J	0.41	0.097	ppbv	TO-15
Chloromethane		0.50	0.41	0.19	ppbv	TO-15
1,1-Dichloroethylene		0.21	0.082	0.12	ppbv	TO-15
Dichlorodifluoromethane		0.51	0.41	0.21	ppbv	TO-15
trans-1,2-Dichloroethylene		0.24 J	0.41	0.058	ppbv	TO-15
cis-1,2-Dichloroethylene		47.8	0.082	0.062	ppbv	TO-15
Ethanol		18.6	1.0	0.81	ppbv	TO-15
Ethylbenzene		0.49	0.41	0.13	ppbv	TO-15
Ethyl Acetate		46.4	0.41	0.21	ppbv	TO-15
4-Ethyltoluene		1.7	0.41	0.20	ppbv	TO-15
Hexane		2.0	0.41	0.11	ppbv	TO-15
Isopropyl Alcohol		1.2	0.41	0.29	ppbv	TO-15
Methylene chloride		5.2	0.41	0.27	ppbv	TO-15
Methyl ethyl ketone		0.66	0.41	0.23	ppbv	TO-15
Propylene		1.9	1.0	0.29	ppbv	TO-15

Summary of Hits

Job Number: JD92894
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 07/25/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,2,4-Trimethylbenzene		5.1	0.41	0.18	ppbv	TO-15
1,3,5-Trimethylbenzene		1.6	0.41	0.16	ppbv	TO-15
Toluene		1.0	0.41	0.12	ppbv	TO-15
Trichloroethylene		33.3	0.082	0.039	ppbv	TO-15
Vinyl chloride		2.4	0.082	0.14	ppbv	TO-15
m,p-Xylene		2.5	0.41	0.29	ppbv	TO-15
o-Xylene		1.4	0.41	0.16	ppbv	TO-15
Xylenes (total)		3.9	0.41	0.16	ppbv	TO-15
Acetone (2-Propanone)		19	0.97	0.71	ug/m3	TO-15
Benzene		1.3 J	1.3	0.31	ug/m3	TO-15
Chloromethane		1.0	0.85	0.39	ug/m3	TO-15
1,1-Dichloroethylene		0.83	0.33	0.48	ug/m3	TO-15
Dichlorodifluoromethane		2.5	2.0	1.0	ug/m3	TO-15
trans-1,2-Dichloroethylene		0.95 J	1.6	0.23	ug/m3	TO-15
cis-1,2-Dichloroethylene		190	0.33	0.25	ug/m3	TO-15
Ethanol		35.0	1.9	1.5	ug/m3	TO-15
Ethylbenzene		2.1	1.8	0.56	ug/m3	TO-15
Ethyl Acetate		167	1.5	0.76	ug/m3	TO-15
4-Ethyltoluene		8.4	2.0	0.98	ug/m3	TO-15
Hexane		7.0	1.4	0.39	ug/m3	TO-15
Isopropyl Alcohol		2.9	1.0	0.71	ug/m3	TO-15
Methylene chloride		18	1.4	0.94	ug/m3	TO-15
Methyl ethyl ketone		1.9	1.2	0.68	ug/m3	TO-15
Propylene		3.3	1.7	0.50	ug/m3	TO-15
1,2,4-Trimethylbenzene		25	2.0	0.88	ug/m3	TO-15
1,3,5-Trimethylbenzene		7.9	2.0	0.79	ug/m3	TO-15
Toluene		3.8	1.5	0.45	ug/m3	TO-15
Trichloroethylene		179	0.44	0.21	ug/m3	TO-15
Vinyl chloride		6.1	0.21	0.36	ug/m3	TO-15
m,p-Xylene		11	1.8	1.3	ug/m3	TO-15
o-Xylene		6.1	1.8	0.69	ug/m3	TO-15
Xylenes (total)		17	1.8	0.69	ug/m3	TO-15

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD92894-1	**Date Sampled:**	07/25/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1386	**Date Received:**	07/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W88161.D	1.56	08/09/24 05:14	BK	n/a	n/a	V3W3477
Run #2							

	Initial Volume
Run #1	780 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	5.8	0.16	0.12	ppbv		14	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.078	0.16	0.038	ppbv	J	0.25	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride [a]	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.43	0.16	0.072	ppbv		0.89	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.036	ppbv		ND	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv		ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.33	0.16	0.083	ppbv		1.6	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	0.022	ppbv		ND	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	5.3	0.032	0.024	ppbv		21	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD92894-1	**Date Sampled:**	07/25/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1386	**Date Received:**	07/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	1.1	0.40	0.32	ppbv		2.1	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	0.049	ppbv		ND	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.16	0.083	ppbv		ND	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.076	ppbv		ND	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.16	0.073	ppbv		ND	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	0.57	0.16	0.042	ppbv		2.0	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.22	0.16	0.11	ppbv		0.54	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	1.2	0.16	0.11	ppbv		4.2	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.39	0.16	0.088	ppbv		1.2	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.042	ppbv		ND	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	0.070	ppbv		ND	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.16	0.032	ppbv		ND	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.072	ppbv		ND	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	ND	0.16	0.046	ppbv		ND	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	3.5	0.032	0.015	ppbv		19	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.21	0.080	0.12	ppbv		1.2	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	ND	0.16	0.11	ppbv		ND	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	0.062	ppbv		ND	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.16	0.062	ppbv		ND	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD92894-1	**Date Sampled:**	07/25/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1386	**Date Received:**	07/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated ICV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: VPOST GAC
Lab Sample ID: JD92894-2
Matrix: AIR - Indoor Air Comp. Summa ID: A2396
Method: TO-15
Project: EPT, Ithaca, NY

Date Sampled: 07/25/24
Date Received: 07/26/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W88178.D	2.57	08/09/24 18:08	BK	n/a	n/a	V3W3477
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	8.1	0.41	0.30	ppbv		19	0.97	0.71	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.41	0.17	ppbv		ND	0.91	0.38	ug/m3
71-43-2	78.11	Benzene	0.40	0.41	0.097	ppbv	J	1.3	1.3	0.31	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.21	0.062	ppbv		ND	1.4	0.42	ug/m3
75-25-2	252.8	Bromoform	ND	0.082	0.15	ppbv		ND	0.85	1.6	ug/m3
74-83-9	94.94	Bromomethane	ND	0.41	0.14	ppbv		ND	1.6	0.54	ug/m3
593-60-2	106.9	Bromoethene	ND	0.41	0.13	ppbv		ND	1.8	0.57	ug/m3
100-44-7	126	Benzyl Chloride [a]	ND	0.41	0.26	ppbv		ND	2.1	1.3	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.41	0.093	ppbv		ND	1.3	0.29	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.41	0.15	ppbv		ND	1.9	0.69	ug/m3
75-00-3	64.52	Chloroethane	ND	0.41	0.14	ppbv		ND	1.1	0.37	ug/m3
67-66-3	119.4	Chloroform	ND	0.41	0.076	ppbv		ND	2.0	0.37	ug/m3
74-87-3	50.49	Chloromethane	0.50	0.41	0.19	ppbv		1.0	0.85	0.39	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.41	0.17	ppbv		ND	1.3	0.53	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.41	0.15	ppbv		ND	2.1	0.78	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.082	0.082	ppbv		ND	0.52	0.52	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.41	0.093	ppbv		ND	1.4	0.32	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.41	0.12	ppbv		ND	1.7	0.49	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.21	0.082	0.12	ppbv		0.83	0.33	0.48	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.21	0.062	ppbv		ND	1.6	0.48	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.41	0.14	ppbv		ND	1.7	0.57	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.41	0.13	ppbv		ND	1.9	0.60	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.41	0.099	ppbv		ND	1.5	0.36	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.41	0.21	ppbv		2.5	2.0	1.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.21	0.11	ppbv		ND	1.8	0.94	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.24	0.41	0.058	ppbv	J	0.95	1.6	0.23	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	47.8	0.082	0.062	ppbv		190	0.33	0.25	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.41	0.13	ppbv		ND	1.9	0.59	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.21	0.27	ppbv		ND	1.3	1.6	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.082	0.14	ppbv		ND	0.49	0.84	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.21	0.16	ppbv		ND	1.3	0.96	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.41	0.21	ppbv		ND	1.9	0.95	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: VPOST GAC
Lab Sample ID: JD92894-2
Matrix: AIR - Indoor Air Comp. Summa ID: A2396
Method: TO-15
Project: EPT, Ithaca, NY

Date Sampled: 07/25/24
Date Received: 07/26/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	18.6	1.0	0.81	ppbv		35.0	1.9	1.5	ug/m3
100-41-4	106.2	Ethylbenzene	0.49	0.41	0.13	ppbv		2.1	1.8	0.56	ug/m3
141-78-6	88	Ethyl Acetate	46.4	0.41	0.21	ppbv		167	1.5	0.76	ug/m3
622-96-8	120.19	4-Ethyltoluene	1.7	0.41	0.20	ppbv		8.4	2.0	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.21	0.064	ppbv		ND	1.6	0.49	ug/m3
76-14-2	170.9	Freon 114	ND	0.21	0.10	ppbv		ND	1.5	0.70	ug/m3
142-82-5	100.2	Heptane	ND	0.41	0.19	ppbv		ND	1.7	0.78	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.19	0.13	ppbv		ND	2.0	1.4	ug/m3
110-54-3	86.18	Hexane	2.0	0.41	0.11	ppbv		7.0	1.4	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.41	0.30	ppbv		ND	1.7	1.2	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.2	0.41	0.29	ppbv		2.9	1.0	0.71	ug/m3
75-09-2	84.94	Methylene chloride	5.2	0.41	0.27	ppbv		18	1.4	0.94	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.66	0.41	0.23	ppbv		1.9	1.2	0.68	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.41	0.15	ppbv		ND	1.7	0.61	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.41	0.16	ppbv		ND	1.5	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.41	0.14	ppbv		ND	1.7	0.57	ug/m3
115-07-1	42	Propylene	1.9	1.0	0.29	ppbv		3.3	1.7	0.50	ug/m3
100-42-5	104.1	Styrene	ND	0.41	0.11	ppbv		ND	1.7	0.47	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.21	0.16	ppbv		ND	1.1	0.87	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.21	0.099	ppbv		ND	1.4	0.68	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.21	0.078	ppbv		ND	1.1	0.43	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.21	0.25	ppbv		ND	1.6	1.9	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	5.1	0.41	0.18	ppbv		25	2.0	0.88	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	1.6	0.41	0.16	ppbv		7.9	2.0	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.41	0.082	ppbv		ND	1.9	0.38	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.41	0.19	ppbv		ND	1.2	0.58	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.082	0.029	ppbv		ND	0.56	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.41	0.19	ppbv		ND	1.2	0.56	ug/m3
108-88-3	92.14	Toluene	1.0	0.41	0.12	ppbv		3.8	1.5	0.45	ug/m3
79-01-6	131.4	Trichloroethylene	33.3	0.082	0.039	ppbv		179	0.44	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.21	0.32	ppbv		ND	1.2	1.8	ug/m3
75-01-4	62.5	Vinyl chloride	2.4	0.082	0.14	ppbv		6.1	0.21	0.36	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.41	0.23	ppbv		ND	1.4	0.81	ug/m3
	106.2	m,p-Xylene	2.5	0.41	0.29	ppbv		11	1.8	1.3	ug/m3
95-47-6	106.2	o-Xylene	1.4	0.41	0.16	ppbv		6.1	1.8	0.69	ug/m3
1330-20-7	106.2	Xylenes (total)	3.9	0.41	0.16	ppbv		17	1.8	0.69	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD92894-2	**Date Sampled:**	07/25/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A2396	**Date Received:**	07/26/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated ICV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

AIR CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

PAGE ___ OF ___

Air

FED-EX Tracking #: —
Bottle Order Control #: BL-112123-6
SGS Quote #: —
SGS Job #: JD92894

Client / Reporting Information
Company Name: WSP USA INC
Address: 5411 SkyCenter Drive, Suite 650
City: Tampa State: FL Zip: 33607
Project Contact: Jeffrey Baker E-mail: Jeff.Baker@wsp.com
Phone #: 724 882 9723 Fax #:
Sampler(s) Name(s): Kevin Griswold - 607 351 8239

Project Information
Project Name: EMERSON (Ithaca)
Street: 620 South Aurora
City: Ithaca State: NY
Project #: us-wsp-314056080001/Task 02
Client Purchase Order #: P1010006U5001 P1012124U5001

Weather Parameters
Temperature (Fahrenheit)
Start: 78.0F Maximum: 78.0
Stop: 78.0 Minimum: 78.0
Atmosphpheric Pressure (inches of Hg)
Start: 30.10 Maximum: 30.10
Stop: 30.10 Minimum: 30.10
Other weather comment: Samples taken indoors

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: VOC-TO15NJVLL-1.4L Instant
1	VINF	I	A1386	1.4L	N/A	07/25/24	1315	-30	78.0	KGG	—	—	—	—	—	X
2	VpostGAC	I	A2396	1.4L	N/A	07/25/24	1319	-29	78.0	KGG	—	—	—	—	—	X

Turnaround Time (Business days)
Standard - 15 Days
10 Day
X 5 Day
3 Day
2 Day
1 Day
Other
Approved By: ____ Date: ____

Data Deliverable Information
All NJDEP TO-15 is Mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other: EDD + PDF Level III
DKQP reporting

Comments / Remarks
Initial Assessment 4 BJD
Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory: 1	Date Time: 7/26/24 1350	Received By: 1	Relinquished By: 2	Date Time: 07/25/24@1700	Received By: 2 FedEx
Relinquished by: 3 FedEx	Date Time: 7/26	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

5.1 5

JD92894: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD92894 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 7/26/2024 10:34:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD92894: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JD92894
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Received: 07/26/24

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1386	1.4	30	07/02/24	JT	CP12827	3W87435.D	JD92894-1	07/30/24	MR	9		1.3	1.56
A2396	1.4	29	07/02/24	JT	CP12827	3W87435.D	JD92894-2	07/30/24	MR	1			1

SGS Bottle Order(s):
TS1-112123-61

Prep Date	Room Temp(F)	Bar Pres "Hg
07/02/24	70	29.92

4Q 2024 Aqueous

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

US-WSP-31405608.001; PO#P101212US001

SGS Job Number: JD99500

Sampling Date: 11/01/24

Report to:

dave.rykaczewski@wsp.com

ATTN: Distribution5

Total number of pages in report: **18**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5

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Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD99500

EPT, Ithaca, NY
Project No: US-WSP-31405608.001; PO#P101212US001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD99500-1	11/01/24	13:45	KGG	11/02/24	AQ	Water	WPOST GAC
JD99500-2	11/01/24	13:55	KGG	11/02/24	AQ	Water	WMID GAC
JD99500-3	11/01/24	14:05	KGG	11/02/24	AQ	Water	WAS
JD99500-4	11/01/24	14:14	KGG	11/02/24	AQ	Influent	WINF

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: WSP USA Environment & Infrastructure Inc **Job No:** JD99500

Site: EPT, Ithaca, NY **Report Date** 11/11/2024 6:32:03 A

On 11/02/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.7 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD99500 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method EPA 624.1

Matrix: AQ **Batch ID:** V1F434

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD99500-4MS, JD99500-4MSD were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of 1,2,4-Trichlorobenzene, Cumene are outside control limits.
- The matrix spike (MS) recovery(s) of 1,2,4-Trichlorobenzene are outside control limits. Probable cause due to matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of 1,2,4-Trichlorobenzene are outside control limits. Probable cause due to matrix interference.
- The matrix spike (MS) recovery(s) of Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD99500-4: Dilution required due to high concentration of target compound.
- JD99500-4 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD99500-2 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD99500-4MS for 1,2,4-Trichlorobenzene: Outside in house control limits.
- V1F434-BS for Cumene: Outside of in house control limits, but within reasonable method recovery limits.
- V1F434-BS for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.

Matrix: AQ **Batch ID:** V2F434

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD99449-2MS, JD99449-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The blank spike (BS) recovery(s) of 1,2,4-Trichlorobenzene, Cumene are outside control limits.
- The matrix spike (MS) recovery(s) of 1,2,4-Trichlorobenzene, Cumene are outside control limits. Probable cause due to matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of 1,2,4-Trichlorobenzene, Cumene are outside control limits. Probable cause due to matrix interference.
- The matrix spike (MS) recovery(s) of 1,2-Dichloroethane are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD99500-3 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- V2F434-BS for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- V2F434-BS for Cumene: Outside of in house control limits, but within reasonable method recovery limits.
- JD99449-2MS for 1,2,4-Trichlorobenzene: Outside in house control limits.
- JD99449-2MS for Cumene: Outside in house control limits.

MS Volatiles By Method EPA 624.1

Matrix: AQ **Batch ID:** V2F434

- JD99500-1 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD99500
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 11/01/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD99500-1	**WPOST GAC**					
cis-1,2-Dichloroethene		4.5	1.0	0.51	ug/l	EPA 624.1
JD99500-2	**WMID GAC**					
No hits reported in this sample.						
JD99500-3	**WAS**					
cis-1,2-Dichloroethene		2.6	1.0	0.51	ug/l	EPA 624.1
Trichloroethene		0.84 J	1.0	0.43	ug/l	EPA 624.1
JD99500-4	**WINF**					
cis-1,2-Dichloroethene [a]		3180	20	10	ug/l	EPA 624.1
trans-1,2-Dichloroethene [a]		17.4 J	20	9.2	ug/l	EPA 624.1
Trichloroethene [a]		2440	20	8.5	ug/l	EPA 624.1

(a) Dilution required due to high concentration of target compound.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WPOST GAC		
Lab Sample ID:	JD99500-1	**Date Sampled:**	11/01/24
Matrix:	AQ - Water	**Date Received:**	11/02/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2F14040.D	1	11/05/24 20:27	NW	n/a	n/a	V2F434
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.5	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WPOST GAC		
Lab Sample ID:	JD99500-1	**Date Sampled:**	11/01/24
Matrix:	AQ - Water	**Date Received:**	11/02/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.80	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene [a]	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	92%		80-128%
2037-26-5	Toluene-D8 (SUR)	105%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	94%		79-117%
1868-53-7	Dibromofluoromethane (S)	106%		84-121%

(a) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WMID GAC		
Lab Sample ID:	JD99500-2	**Date Sampled:**	11/01/24
Matrix:	AQ - Water	**Date Received:**	11/02/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1F14041.D	1	11/05/24 20:43	NW	n/a	n/a	V1F434
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WMID GAC		
Lab Sample ID:	JD99500-2	**Date Sampled:**	11/01/24
Matrix:	AQ - Water	**Date Received:**	11/02/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.80	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene [a]	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.43	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	99%		80-128%
2037-26-5	Toluene-D8 (SUR)	86%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	92%		79-117%
1868-53-7	Dibromofluoromethane (S)	109%		84-121%

(a) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WAS		
Lab Sample ID:	JD99500-3	**Date Sampled:**	11/01/24
Matrix:	AQ - Water	**Date Received:**	11/02/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2F14042.D	1	11/05/24 21:00	NW	n/a	n/a	V2F434
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	1.0	0.71	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.94	ug/l	
75-25-2	Bromoform	ND	1.0	0.60	ug/l	
74-83-9	Bromomethane	ND	1.0	0.87	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.52	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.87	ug/l	
75-00-3	Chloroethane	ND	1.0	0.54	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.78	ug/l	
98-82-8	Cumene	ND	1.0	0.77	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.98	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.91	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.45	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.6	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.46	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.96	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.93	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.84	ug/l	
76-13-1	Freon 113	ND	2.0	0.87	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WAS		
Lab Sample ID:	JD99500-3	**Date Sampled:**	11/01/24
Matrix:	AQ - Water	**Date Received:**	11/02/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.94	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.2	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.80	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.64	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.4	ug/l	
100-42-5	Styrene	ND	2.0	0.98	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.73	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.41	ug/l	
108-88-3	Toluene	ND	1.0	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene [a]	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.43	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.41	ug/l	
79-01-6	Trichloroethene	0.84	1.0	0.43	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.76	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	93%		80-128%
2037-26-5	Toluene-D8 (SUR)	96%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	94%		79-117%
1868-53-7	Dibromofluoromethane (S)	103%		84-121%

(a) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WINF		
Lab Sample ID:	JD99500-4	**Date Sampled:**	11/01/24
Matrix:	AQ - Influent	**Date Received:**	11/02/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1F14021.D	20	11/05/24 15:12	NW	n/a	n/a	V1F434
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	59	ug/l	
71-43-2	Benzene	ND	20	14	ug/l	
75-27-4	Bromodichloromethane	ND	20	19	ug/l	
75-25-2	Bromoform	ND	20	12	ug/l	
74-83-9	Bromomethane	ND	20	17	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	39	ug/l	
75-15-0	Carbon disulfide	ND	20	10	ug/l	
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	17	ug/l	
75-00-3	Chloroethane	ND	20	11	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane	ND	20	16	ug/l	
98-82-8	Cumene	ND	20	15	ug/l	
110-82-7	Cyclohexane	ND	40	13	ug/l	
124-48-1	Dibromochloromethane	ND	20	20	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	5.6	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	18	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	10	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	14	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	8.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	19	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	9.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	3180	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	17.4	20	9.2	ug/l	J
78-87-5	1,2-Dichloropropane	ND	20	19	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	19	ug/l	
100-41-4	Ethylbenzene	ND	20	17	ug/l	
76-13-1	Freon 113	ND	40	17	ug/l	
591-78-6	2-Hexanone	ND	100	35	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WINF		
Lab Sample ID:	JD99500-4	**Date Sampled:**	11/01/24
Matrix:	AQ - Influent	**Date Received:**	11/02/24
Method:	EPA 624.1	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	20	19	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	65	ug/l	
75-09-2	Methylene chloride	ND	20	16	ug/l	
79-20-9	Methyl Acetate	ND	100	13	ug/l	
108-87-2	Methylcyclohexane	ND	100	29	ug/l	
100-42-5	Styrene	ND	40	20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	15	ug/l	
127-18-4	Tetrachloroethene	ND	20	8.2	ug/l	
108-88-3	Toluene	ND	20	15	ug/l	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	40	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	8.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	8.1	ug/l	
79-01-6	Trichloroethene	2440	20	8.5	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	6.6	ug/l	
75-01-4	Vinyl chloride	ND	20	16	ug/l	
1330-20-7	Xylenes (total)	ND	20	15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	94%		80-128%
2037-26-5	Toluene-D8 (SUR)	98%		82-113%
460-00-4	4-Bromofluorobenzene (SUR)	98%		79-117%
1868-53-7	Dibromofluoromethane (S)	110%		84-121%

(a) Dilution required due to high concentration of target compound.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FEDEX Tracking # 6955 1823 2881 | Bottle Order Control # TS1-112123-58
SGS Quote # | SGS Job # JD99500

Client / Reporting Information

Company Name: WSP USA INC.
Street Address: 5411 SkyCenter Drive, Suite 650
City: Tampa | State: FL | Zip: 33607
Project Contact: Jeffrey Baker | E-mail: Jeffrey.baker@wsp.com
Phone #: 724-882-9723
Sample(s) Name(s): Kevin Griswold - 607-351-8239 | Phone #: 607-351-8239

Project Information

Project Name: EMERSON (Ithaca, NY)
Street: 620 South Aurora
City: Ithaca | State: NY
Project #: US-WSP-31405608.001
Client Purchase Order #: P101212US001
Project Manager: Jeffrey Baker

Billing Information (if different from Report to)
Company Name: WSP USA Inc.
Street Address: 13530 Dulles Technology Drive
City: Herndon | State: VA | Zip: 20171
Attention: Environment Accounts Payable

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) / Comp (C)	Source Code (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs V624TCL 42	pH Check (Lab Use Only)	LAB USE ONLY
1	WPOST GAC		11/01/24	1315	KGG	G	N	WW	4	4								X		V310
2	WMID GAC		11/01/24	1355	KGG	G	N	WW	4	4								X		
3	WAS		11/01/24	1405	KGG	G	N	WW	4	4								X		
4	WINF		11/01/24	1414	KGG	G	N	WW	4	4								X		

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage | * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier 1 (Level 4)
- [ ] Commercial "C"
- [ ] NJDKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria ____
- [ ] CTRCP Criteria ____
- [ ] State Forms
- [x] EDD Format PDF

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Rev data

Comments / Special Instructions

Full Level III Deliverable Package and EDD in PDF Format. See LTO

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	[signature]	11/01/24 1600	FedEx	2 FEDEX	11/2 [illegible]	2 [signature]
3			3	4		4
5			5	Custody Seal #	Intact / Not Intact / Absent	Therm ID: / Cooler Temp: 1.3 IR SD / See Sample Receipt Summary

EHSA-QAC-0023-05 Rev Date 8/5/22

JD99500: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD99500 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 11/2/2024 11:35:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD99500: Chain of Custody
Page 2 of 2

4Q 2024 Vapor

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

US-WSP-31405608.001/TASK02 ;PO# P101212U5001

SGS Job Number: JD99567

Sampling Date: 11/01/24

Report to:

dave.rykaczewski@wsp.com

ATTN: Distribution5

Total number of pages in report: 15

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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EHS.US.CustomerCare@sgs.com

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Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD99567

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02 ;PO# P101212U5001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD99567-1	11/01/24	14:30	KG	11/04/24	AIR	Indoor Air Comp.	VINF
JD99567-2	11/01/24	14:35	KG	11/04/24	AIR	Indoor Air Comp.	VPOST GAC

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	WSP USA Environment & Infrastructure Inc	**Job No:**	JD99567
Site:	EPT, Ithaca, NY	**Report Date**	11/13/2024 10:46:09 A

On 11/04/2024, 2 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JD99567 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V7W380

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD99694-1DUP were used as the QC samples indicated.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, 2-Hexanone, Isopropyl Alcohol are outside control limits. RPD acceptable due to low DUP and sample concentrations.
- JD99567-2 for Benzyl Chloride: Associated ICV/CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD99567-1 for Benzyl Chloride: Associated ICV/CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V7W380-BS for Benzyl Chloride: High percent recovery and no associated positive reported in the QC batch.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD99567
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 11/01/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD99567-1	**VINF**					
Acetone (2-Propanone)		4.9	0.80	0.58	ppbv	TO-15
Chloromethane		0.46 J	0.80	0.36	ppbv	TO-15
cis-1,2-Dichloroethylene		13.0	0.16	0.12	ppbv	TO-15
Ethanol		2.1	2.0	1.6	ppbv	TO-15
Hexane		1.0	0.80	0.21	ppbv	TO-15
Methylene chloride		1.6	0.80	0.53	ppbv	TO-15
Methyl ethyl ketone		0.88	0.80	0.44	ppbv	TO-15
Trichloroethylene		7.2	0.16	0.076	ppbv	TO-15
Acetone (2-Propanone)		12	1.9	1.4	ug/m3	TO-15
Chloromethane		0.95 J	1.7	0.74	ug/m3	TO-15
cis-1,2-Dichloroethylene		51.5	0.63	0.48	ug/m3	TO-15
Ethanol		4.0	3.8	3.0	ug/m3	TO-15
Hexane		3.5	2.8	0.74	ug/m3	TO-15
Methylene chloride		5.6	2.8	1.8	ug/m3	TO-15
Methyl ethyl ketone		2.6	2.4	1.3	ug/m3	TO-15
Trichloroethylene		39	0.86	0.41	ug/m3	TO-15
JD99567-2	**VPOST GAC**					
Acetone (2-Propanone)		4.1	0.80	0.58	ppbv	TO-15
Chloromethane		0.52 J	0.80	0.36	ppbv	TO-15
trans-1,2-Dichloroethylene		0.88	0.80	0.11	ppbv	TO-15
cis-1,2-Dichloroethylene		114	0.16	0.12	ppbv	TO-15
Ethanol		2.3	2.0	1.6	ppbv	TO-15
Hexane		0.49 J	0.80	0.21	ppbv	TO-15
Methylene chloride		0.98	0.80	0.53	ppbv	TO-15
Methyl ethyl ketone		0.47 J	0.80	0.44	ppbv	TO-15
Trichloroethylene		45.3	0.16	0.076	ppbv	TO-15
Vinyl chloride		1.8	0.16	0.28	ppbv	TO-15
Acetone (2-Propanone)		9.7	1.9	1.4	ug/m3	TO-15
Chloromethane		1.1 J	1.7	0.74	ug/m3	TO-15
trans-1,2-Dichloroethylene		3.5	3.2	0.44	ug/m3	TO-15
cis-1,2-Dichloroethylene		452	0.63	0.48	ug/m3	TO-15
Ethanol		4.3	3.8	3.0	ug/m3	TO-15
Hexane		1.7 J	2.8	0.74	ug/m3	TO-15
Methylene chloride		3.4	2.8	1.8	ug/m3	TO-15
Methyl ethyl ketone		1.4 J	2.4	1.3	ug/m3	TO-15
Trichloroethylene		243	0.86	0.41	ug/m3	TO-15
Vinyl chloride		4.6	0.41	0.72	ug/m3	TO-15

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD99567-1	**Date Sampled:**	11/01/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1414	**Date Received:**	11/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W10355.D	1.52	11/07/24 23:47	TCH	n/a	n/a	V7W380
Run #2							

	Initial Volume
Run #1	152 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	4.9	0.80	0.58	ppbv		12	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.19	ppbv		ND	2.6	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride [a]	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.46	0.80	0.36	ppbv	J	0.95	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.18	ppbv		ND	2.8	0.62	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.19	ppbv		ND	2.9	0.68	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.80	0.42	ppbv		ND	4.0	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.11	ppbv		ND	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	13.0	0.16	0.12	ppbv		51.5	0.63	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	0.53	ppbv		ND	2.4	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.28	ppbv		ND	0.96	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.32	ppbv		ND	2.4	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD99567-1	**Date Sampled:**	11/01/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1414	**Date Received:**	11/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.1	2.0	1.6	ppbv		4.0	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.42	ppbv		ND	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.36	ppbv		ND	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	1.0	0.80	0.21	ppbv		3.5	2.8	0.74	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.56	ppbv		ND	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	1.6	0.80	0.53	ppbv		5.6	2.8	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.88	0.80	0.44	ppbv		2.6	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	ND	2.0	0.57	ppbv		ND	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.21	ppbv		ND	3.4	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.31	ppbv		ND	2.2	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.80	0.35	ppbv		ND	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.16	ppbv		ND	3.7	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.37	ppbv		ND	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.056	ppbv		ND	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	ND	0.80	0.23	ppbv		ND	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	7.2	0.16	0.076	ppbv		39	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.40	0.62	ppbv		ND	2.2	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	0.28	ppbv		ND	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.45	ppbv		ND	2.8	1.6	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.56	ppbv		ND	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VINF		
Lab Sample ID:	JD99567-1	**Date Sampled:**	11/01/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1414	**Date Received:**	11/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated ICV/CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD99567-2	**Date Sampled:**	11/01/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A2546	**Date Received:**	11/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W10356.D	1	11/08/24 00:22	TCH	n/a	n/a	V7W380
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	4.1	0.80	0.58	ppbv		9.7	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.19	ppbv		ND	2.6	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride [a]	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.52	0.80	0.36	ppbv	J	1.1	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.18	ppbv		ND	2.8	0.62	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.19	ppbv		ND	2.9	0.68	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.80	0.42	ppbv		ND	4.0	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.88	0.80	0.11	ppbv		3.5	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	114	0.16	0.12	ppbv		452	0.63	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	0.53	ppbv		ND	2.4	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.28	ppbv		ND	0.96	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.32	ppbv		ND	2.4	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD99567-2	**Date Sampled:**	11/01/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A2546	**Date Received:**	11/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.3	2.0	1.6	ppbv		4.3	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.42	ppbv		ND	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.36	ppbv		ND	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	0.49	0.80	0.21	ppbv	J	1.7	2.8	0.74	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.56	ppbv		ND	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	0.98	0.80	0.53	ppbv		3.4	2.8	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.47	0.80	0.44	ppbv	J	1.4	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	ND	2.0	0.57	ppbv		ND	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.21	ppbv		ND	3.4	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.31	ppbv		ND	2.2	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.80	0.35	ppbv		ND	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.16	ppbv		ND	3.7	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.37	ppbv		ND	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.056	ppbv		ND	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	ND	0.80	0.23	ppbv		ND	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	45.3	0.16	0.076	ppbv		243	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.40	0.62	ppbv		ND	2.2	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	1.8	0.16	0.28	ppbv		4.6	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.45	ppbv		ND	2.8	1.6	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.56	ppbv		ND	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.31	ppbv		ND	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VPOST GAC		
Lab Sample ID:	JD99567-2	**Date Sampled:**	11/01/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A2546	**Date Received:**	11/04/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated ICV/CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

AIR CHAIN OF CUSTODY

PAGE ___ OF ___

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # 7377 5686 4457 | Bottle Order Control # 151-112123-62
SGS Quote # | SGS Job # JD99567

Client / Reporting Information

Company Name: WSP USA INC.
Address: 5411 SkyCenter Drive, Suite 650
City: Tampa | State: FL | Zip: 33607
Project Contact: Jeffrey Baker | E-mail: Jeffrey.Baker@wsp.com
Phone #: (724)882-9723 | Fax #
Sampler(s) Name(s): Kevin Griswold (607) 351-8237

Project Information

Project Name: EPT, Ithaca NY
Street: 620 South Aurora St.
City: Ithaca | State: NY
Project #: us-wsp-31405608.001/Task 02
Client Purchase Order #: P1012124S001

Weather Parameters

Temperature (Fahrenheit)
Start: 76°F | Maximum: 76°F
Stop: 76°F | Minimum: 76°F
Atmoshpheric Pressure (inches of Hg)
Start: Instant | Maximum: 30.06
Stop: Instant | Minimum: 30.06
Other weather comment:

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: TO15NYSVLL-1.4L Instant
1	VINF	I	A1414	1.4L	N/A	11/01/2024	14:30	-29	76.0	KGG	—	—	—	—	—	X
2	VPOSTGAC	I	A2546	1.4L	N/A	11/01/2024	14:35	-29.5	76.0	KGG	—	—	—	—	—	X

Standard - 15 Days
10 Day
X 5 Day
3 Day
2 Day
1 Day
Other
Approved By: ___
Date: ___

All NJDEP TO-15 is Mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other: EDD+PDF Level III
DKQP reporting

See LTO for full data deliverable Required
Initial Assessment 43-JCW
Sample inventory is verified upon receipt in the laboratory Verification

Relinquished by Laboratory: 1 FedEx	Date Time: 10/31/24 15:25	Received By:
Relinquished by: 3 FedEx	Date Time: 11/4/24 10:30	Received By:
Relinquished by: 5	Date Time:	Received By: 5

Relinquished By: 2	Date Time: 11/01/24 @ 1600	Received By: 2 FedEx
Relinquished By: 4	Date Time:	Received By: 4
Custody Seal #		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

Summa Canister and Flow Controller Log

Job Number: JD99567
Account: ESCVAR WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Received: 11/04/24

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1414	1.4	29	09/30/24	JT	CP12869	3W88719.D	JD99567-1	11/05/24	TCH	8.5		1.3	1.52
A2546	1.4	29.5	09/30/24	JT	CP12874	7W08964.D	JD99567-2	11/05/24	TCH	1.5			1

SGS Bottle Order(s):
TS1-112123-62

Prep Date	Room Temp(F)	Bar Pres "Hg
09/30/24	70	29.92

April 2024 Semi Annual Event

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

31405608.001 PO#P102802US001

SGS Job Number: JD86859

Sampling Date: 04/17/24

Report to:

dave.rykaczewski@wsp.com

ATTN: Distribution5

Total number of pages in report: 48

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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EHS.US.CustomerCare@sgs.com

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Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD86859

EPT, Ithaca, NY
Project No: 31405608.001 PO#P102802US001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD86859-1	04/17/24	11:10	EM	04/19/24	AQ	Ground Water	EXB-09
JD86859-1D	04/17/24	11:10	EM	04/19/24	AQ	Water Dup/MSD	EXB-09-MSD
JD86859-1S	04/17/24	11:10	EM	04/19/24	AQ	Water Matrix Spike	EXB-09-MS
JD86859-2	04/17/24	12:25	EM	04/19/24	AQ	Ground Water	EXB-10
JD86859-3	04/17/24	13:48	EM	04/19/24	AQ	Ground Water	MW-46-43C
JD86859-4	04/17/24	13:58	EM	04/19/24	AQ	Ground Water	MW-46-72C
JD86859-5	04/17/24	14:15	EM	04/19/24	AQ	Ground Water	MW-7B
JD86859-6	04/17/24	14:26	EM	04/19/24	AQ	Ground Water	MW-5-100
JD86859-7	04/17/24	14:30	EM	04/19/24	AQ	Ground Water	MW-50-160D
JD86859-8	04/17/24	14:42	EM	04/19/24	AQ	Ground Water	MW-5-40
JD86859-9	04/17/24	15:40	EM	04/19/24	AQ	Ground Water	MW-4B
JD86859-10	04/17/24	15:50	EM	04/19/24	AQ	Ground Water	MW-5B

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Sample Summary
(continued)

WSP USA Environment & Infrastructure Inc

Job No: JD86859

EPT, Ithaca, NY
Project No: 31405608.001 PO#P102802US001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD86859-11	04/17/24	16:00	EM	04/19/24	AQ	Ground Water	MW-3B
JD86859-12	04/17/24	16:10	EM	04/19/24	AQ	Ground Water	MW-2B
JD86859-13	04/17/24	16:20	EM	04/19/24	AQ	Ground Water	MW-1B
JD86859-14	04/17/24	12:00	EM	04/19/24	AQ	Equipment Blank	EB-041724
JD86859-15	04/17/24	08:00	EM	04/19/24	AQ	Ground Water	MW-0424
JD86859-16	04/17/24	16:20	EM	04/19/24	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: WSP USA Environment & Infrastructure Inc **Job No:** JD86859

Site: EPT, Ithaca, NY **Report Date** 4/26/2024 3:33:50 AM

On 04/19/2024, 14 sample(s), 1 Trip Blank(s), 1 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 0.7 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD86859 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1U2439

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD87067-5MS, JD87067-5MSD were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of trans-1,3-Dichloropropene are outside control limits.
- The matrix spike (MS) recovery(s) of Carbon tetrachloride, Chloroform are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The matrix spike duplicate (MSD) recovery(s) of Carbon tetrachloride, Chloroform are outside control limits. Probable cause due to matrix interference.
- JD86859-11: Dilution required due to high concentration of target compound.
- JD86859-11 for trans-1,3-Dichloropropene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-11 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- V1U2439-BS for trans-1,3-Dichloropropene: Outside of in house control limits, but within reasonable method recovery limits.

Matrix: AQ **Batch ID:** V2U2439

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD87004-7MS, JD87004-7MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD86859-12: Dilution required due to high concentration of target compound.
- JD86859-12 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-12 for Bromomethane: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** V4A189

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD86859-1MS, JD86859-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The RPD(s) for the MS and MSD recoveries of 1,2-Dichloropropane, Benzene, Trichloroethene are outside control limits for sample JD86859-1MSD. Probable cause due to sample homogeneity.
- JD86859-8: Dilution required due to high concentration of target compound.
- JD86859-7: Dilution required due to high concentration of target compound.
- JD86859-8 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-7 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V4A189

- JD86859-8 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD86859-7 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-10 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-14 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-14 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-14 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-14 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-14 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-14 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD86859-10 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-13 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD86859-10 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-10 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-10 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD86859-13 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-13 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-9 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-10 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-9 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD86859-1 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-1 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-1 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-1 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-13 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-9 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-9 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-9 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-9 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V4A189

- JD86859-1 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD86859-13 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-13 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-1 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ **Batch ID:** V5A189

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD86859-11MS, JD86859-11MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD86859-15: Dilution required due to high concentration of target compound.
- JD86859-15 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-16 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-16 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-16 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ **Batch ID:** VGA334

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD86859-3MS, JD86859-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike (MS) recovery(s) of Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The matrix spike duplicate (MSD) recovery(s) of Vinyl chloride are outside control limits. Probable cause due to matrix interference.
- The matrix spike (MS) recovery(s) of cis-1,2-Dichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD86859-3: Dilution required due to high concentration of target compound.
- JD86859-3 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD86859-5 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD86859-5 for Bromomethane: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** VGB334

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD86859-4MS, JD86859-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD86859-4: Dilution required due to high concentration of target compound.
- JD86859-4 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-2 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD86859-6 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD86859
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 04/17/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD86859-1	**EXB-09**					
Toluene		1.3	1.0	0.49	ug/l	SW846 8260D
Xylene (total)		1.9	1.0	0.59	ug/l	SW846 8260D
JD86859-2	**EXB-10**					
Benzene		0.66	0.50	0.43	ug/l	SW846 8260D
Cyclohexane		1.8 J	5.0	0.78	ug/l	SW846 8260D
cis-1,2-Dichloroethene		1.6	1.0	0.51	ug/l	SW846 8260D
Vinyl chloride		1.4	1.0	0.52	ug/l	SW846 8260D
JD86859-3	**MW-46-43C**					
cis-1,2-Dichloroethene		7800	250	130	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		59.9	25	13	ug/l	SW846 8260D
Vinyl chloride [a]		4340	25	13	ug/l	SW846 8260D
JD86859-4	**MW-46-72C**					
1,1-Dichloroethene [a]		28.1	25	15	ug/l	SW846 8260D
cis-1,2-Dichloroethene		9530	250	130	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		39.4	25	13	ug/l	SW846 8260D
Trichloroethene [a]		3970	25	13	ug/l	SW846 8260D
Vinyl chloride [a]		1850	25	13	ug/l	SW846 8260D
JD86859-5	**MW-7B**					
Trichloroethene		1.2	1.0	0.53	ug/l	SW846 8260D
JD86859-6	**MW-5-100**					
cis-1,2-Dichloroethene		11.7	1.0	0.51	ug/l	SW846 8260D
Vinyl chloride		5.5	1.0	0.52	ug/l	SW846 8260D
JD86859-7	**MW-50-160D**					
cis-1,2-Dichloroethene [a]		510	4.0	2.0	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		4.1	4.0	2.1	ug/l	SW846 8260D
Vinyl chloride [a]		394	4.0	2.1	ug/l	SW846 8260D
JD86859-8	**MW-5-40**					
cis-1,2-Dichloroethene		8430	250	130	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		467	25	13	ug/l	SW846 8260D

Summary of Hits

Job Number: JD86859
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 04/17/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethene [a]		267	25	13	ug/l	SW846 8260D
Vinyl chloride [a]		3540	25	13	ug/l	SW846 8260D
JD86859-9	**MW-4B**					
No hits reported in this sample.						
JD86859-10	**MW-5B**					
cis-1,2-Dichloroethene		188	1.0	0.51	ug/l	SW846 8260D
trans-1,2-Dichloroethene		5.8	1.0	0.54	ug/l	SW846 8260D
Trichloroethene		331	10	5.3	ug/l	SW846 8260D
Vinyl chloride		1.5	1.0	0.52	ug/l	SW846 8260D
JD86859-11	**MW-3B**					
1,1-Dichloroethene [a]		5.1	5.0	3.0	ug/l	SW846 8260D
cis-1,2-Dichloroethene		2290	20	10	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		17.5	5.0	2.7	ug/l	SW846 8260D
Trichloroethene		2160	20	11	ug/l	SW846 8260D
Vinyl chloride [a]		6.6	5.0	2.6	ug/l	SW846 8260D
JD86859-12	**MW-2B**					
cis-1,2-Dichloroethene [a]		2950	20	10	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		12.9 J	20	11	ug/l	SW846 8260D
Trichloroethene		5730	50	26	ug/l	SW846 8260D
Vinyl chloride [a]		22.6	20	10	ug/l	SW846 8260D
JD86859-13	**MW-1B**					
cis-1,2-Dichloroethene		126	1.0	0.51	ug/l	SW846 8260D
trans-1,2-Dichloroethene		0.85 J	1.0	0.54	ug/l	SW846 8260D
Trichloroethene		188	1.0	0.53	ug/l	SW846 8260D
JD86859-14	**EB-041724**					
No hits reported in this sample.						
JD86859-15	**MW-0424**					
cis-1,2-Dichloroethene [a]		551	4.0	2.0	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		5.0	4.0	2.1	ug/l	SW846 8260D
Vinyl chloride [a]		398	4.0	2.1	ug/l	SW846 8260D

Summary of Hits

Job Number: JD86859
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 04/17/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD86859-16	**TRIP BLANK**					

No hits reported in this sample.

(a) Dilution required due to high concentration of target compound.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	EXB-09		
Lab Sample ID:	JD86859-1	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A6404.D	1	04/23/24 15:37	NW	n/a	n/a	V4A189
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EXB-09		
Lab Sample ID:	JD86859-1	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	1.3	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	1.9	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EXB-10		
Lab Sample ID:	JD86859-2	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11778.D	1	04/23/24 23:31	ED	n/a	n/a	VGB334
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	0.66	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	1.8	5.0	0.78	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.6	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EXB-10		
Lab Sample ID:	JD86859-2	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	1.4	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-46-43C		
Lab Sample ID:	JD86859-3	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	GA11753.D	25	04/23/24 17:23	ED	n/a	n/a	VGA334
Run #2	GA11751.D	250	04/23/24 16:53	ED	n/a	n/a	VGA334

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	250	76	ug/l	
71-43-2	Benzene	ND	13	11	ug/l	
75-27-4	Bromodichloromethane	ND	25	11	ug/l	
75-25-2	Bromoform	ND	25	16	ug/l	
74-83-9	Bromomethane [b]	ND	50	41	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	68	ug/l	
75-15-0	Carbon disulfide	ND	50	45	ug/l	
56-23-5	Carbon tetrachloride	ND	25	14	ug/l	
108-90-7	Chlorobenzene	ND	25	14	ug/l	
75-00-3	Chloroethane	ND	25	18	ug/l	
67-66-3	Chloroform	ND	25	13	ug/l	
74-87-3	Chloromethane	ND	25	19	ug/l	
110-82-7	Cyclohexane	ND	130	20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	25	14	ug/l	
106-93-4	1,2-Dibromoethane	ND	25	12	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	25	13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	25	14	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	25	13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	14	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	15	ug/l	
75-35-4	1,1-Dichloroethene	ND	25	15	ug/l	
156-59-2	cis-1,2-Dichloroethene	7800 [c]	250	130	ug/l	
156-60-5	trans-1,2-Dichloroethene	59.9	25	13	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	11	ug/l	
100-41-4	Ethylbenzene	ND	25	15	ug/l	
76-13-1	Freon 113	ND	130	15	ug/l	
591-78-6	2-Hexanone	ND	130	120	ug/l	
98-82-8	Isopropylbenzene	ND	25	16	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-46-43C
Lab Sample ID: JD86859-3
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: EPT, Ithaca, NY

Date Sampled: 04/17/24
Date Received: 04/19/24
Percent Solids: n/a

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	130	20	ug/l	
108-87-2	Methylcyclohexane	ND	130	15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	13	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	130	120	ug/l	
75-09-2	Methylene chloride	ND	50	25	ug/l	
100-42-5	Styrene	ND	25	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	16	ug/l	
127-18-4	Tetrachloroethene	ND	25	14	ug/l	
108-88-3	Toluene	ND	25	12	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	25	13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	13	ug/l	
79-01-6	Trichloroethene	ND	25	13	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	10	ug/l	
75-01-4	Vinyl chloride	4340	25	13	ug/l	
1330-20-7	Xylene (total)	ND	25	15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	98%	80-120%
2037-26-5	Toluene-D8	100%	100%	80-120%
460-00-4	4-Bromofluorobenzene	99%	100%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-46-72C
Lab Sample ID: JD86859-4
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: EPT, Ithaca, NY

Date Sampled: 04/17/24
Date Received: 04/19/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	GB11754.D	25	04/23/24 17:38	ED	n/a	n/a	VGB334
Run #2	GB11752.D	250	04/23/24 17:08	ED	n/a	n/a	VGB334

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	76	ug/l	
71-43-2	Benzene	ND	13	11	ug/l	
75-27-4	Bromodichloromethane	ND	25	11	ug/l	
75-25-2	Bromoform	ND	25	16	ug/l	
74-83-9	Bromomethane [b]	ND	50	41	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	68	ug/l	
75-15-0	Carbon disulfide	ND	50	45	ug/l	
56-23-5	Carbon tetrachloride	ND	25	14	ug/l	
108-90-7	Chlorobenzene	ND	25	14	ug/l	
75-00-3	Chloroethane	ND	25	18	ug/l	
67-66-3	Chloroform	ND	25	13	ug/l	
74-87-3	Chloromethane	ND	25	19	ug/l	
110-82-7	Cyclohexane	ND	130	20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	25	14	ug/l	
106-93-4	1,2-Dibromoethane	ND	25	12	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	25	13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	25	14	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	25	13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	14	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	15	ug/l	
75-35-4	1,1-Dichloroethene	28.1	25	15	ug/l	
156-59-2	cis-1,2-Dichloroethene	9530 [c]	250	130	ug/l	
156-60-5	trans-1,2-Dichloroethene	39.4	25	13	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	11	ug/l	
100-41-4	Ethylbenzene	ND	25	15	ug/l	
76-13-1	Freon 113	ND	130	15	ug/l	
591-78-6	2-Hexanone	ND	130	120	ug/l	
98-82-8	Isopropylbenzene	ND	25	16	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-46-72C
Lab Sample ID: JD86859-4
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: EPT, Ithaca, NY

Date Sampled: 04/17/24
Date Received: 04/19/24
Percent Solids: n/a

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	130	20	ug/l	
108-87-2	Methylcyclohexane	ND	130	15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	13	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	130	120	ug/l	
75-09-2	Methylene chloride	ND	50	25	ug/l	
100-42-5	Styrene	ND	25	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	16	ug/l	
127-18-4	Tetrachloroethene	ND	25	14	ug/l	
108-88-3	Toluene	ND	25	12	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	25	13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	13	ug/l	
79-01-6	Trichloroethene	3970	25	13	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	10	ug/l	
75-01-4	Vinyl chloride	1850	25	13	ug/l	
1330-20-7	Xylene (total)	ND	25	15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	101%	80-120%
2037-26-5	Toluene-D8	101%	99%	80-120%
460-00-4	4-Bromofluorobenzene	102%	100%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7B		
Lab Sample ID:	JD86859-5	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA11779.D	1	04/23/24 23:46	ED	n/a	n/a	VGA334
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7B		
Lab Sample ID:	JD86859-5	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.2	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-100		
Lab Sample ID:	JD86859-6	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11780.D	1	04/24/24 00:01	ED	n/a	n/a	VGB334
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	11.7	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-100		
Lab Sample ID:	JD86859-6	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	5.5	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-50-160D		
Lab Sample ID:	JD86859-7	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4A6412.D	4	04/23/24 18:03	NW	n/a	n/a	V4A189
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	40	12	ug/l	
71-43-2	Benzene	ND	2.0	1.7	ug/l	
75-27-4	Bromodichloromethane	ND	4.0	1.8	ug/l	
75-25-2	Bromoform	ND	4.0	2.5	ug/l	
74-83-9	Bromomethane	ND	8.0	6.6	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	40	11	ug/l	
75-15-0	Carbon disulfide	ND	8.0	7.2	ug/l	
56-23-5	Carbon tetrachloride	ND	4.0	2.2	ug/l	
108-90-7	Chlorobenzene	ND	4.0	2.2	ug/l	
75-00-3	Chloroethane	ND	4.0	2.9	ug/l	
67-66-3	Chloroform	ND	4.0	2.0	ug/l	
74-87-3	Chloromethane	ND	4.0	3.0	ug/l	
110-82-7	Cyclohexane	ND	20	3.1	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	8.0	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	4.0	2.2	ug/l	
106-93-4	1,2-Dibromoethane	ND	4.0	1.9	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.0	2.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.0	2.2	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.0	2.0	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	8.0	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	4.0	2.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	4.0	2.4	ug/l	
75-35-4	1,1-Dichloroethene	ND	4.0	2.4	ug/l	
156-59-2	cis-1,2-Dichloroethene	510	4.0	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	4.1	4.0	2.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	4.0	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	4.0	1.9	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	1.7	ug/l	
100-41-4	Ethylbenzene	ND	4.0	2.4	ug/l	
76-13-1	Freon 113	ND	20	2.3	ug/l	
591-78-6	2-Hexanone [b]	ND	20	19	ug/l	
98-82-8	Isopropylbenzene	ND	4.0	2.6	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-50-160D		
Lab Sample ID:	JD86859-7	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	20	3.2	ug/l	
108-87-2	Methylcyclohexane	ND	20	2.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [b]	ND	20	19	ug/l	
75-09-2	Methylene chloride	ND	8.0	4.0	ug/l	
100-42-5	Styrene	ND	4.0	1.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	2.6	ug/l	
127-18-4	Tetrachloroethene	ND	4.0	2.2	ug/l	
108-88-3	Toluene	ND	4.0	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	4.0	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	4.0	2.1	ug/l	
79-01-6	Trichloroethene	ND	4.0	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	8.0	1.6	ug/l	
75-01-4	Vinyl chloride	394	4.0	2.1	ug/l	
1330-20-7	Xylene (total)	ND	4.0	2.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-40		
Lab Sample ID:	JD86859-8	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4A6410.D	25	04/23/24 17:27	NW	n/a	n/a	V4A189
Run #2	4A6420.D	250	04/23/24 20:29	NW	n/a	n/a	V4A189

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	250	76	ug/l	
71-43-2	Benzene	ND	13	11	ug/l	
75-27-4	Bromodichloromethane	ND	25	11	ug/l	
75-25-2	Bromoform	ND	25	16	ug/l	
74-83-9	Bromomethane	ND	50	41	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	250	68	ug/l	
75-15-0	Carbon disulfide	ND	50	45	ug/l	
56-23-5	Carbon tetrachloride	ND	25	14	ug/l	
108-90-7	Chlorobenzene	ND	25	14	ug/l	
75-00-3	Chloroethane	ND	25	18	ug/l	
67-66-3	Chloroform	ND	25	13	ug/l	
74-87-3	Chloromethane	ND	25	19	ug/l	
110-82-7	Cyclohexane	ND	130	20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	25	14	ug/l	
106-93-4	1,2-Dibromoethane	ND	25	12	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	25	13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	25	14	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	25	13	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	50	14	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	15	ug/l	
75-35-4	1,1-Dichloroethene	ND	25	15	ug/l	
156-59-2	cis-1,2-Dichloroethene	8430 [d]	250	130	ug/l	
156-60-5	trans-1,2-Dichloroethene	467	25	13	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	11	ug/l	
100-41-4	Ethylbenzene	ND	25	15	ug/l	
76-13-1	Freon 113	ND	130	15	ug/l	
591-78-6	2-Hexanone [b]	ND	130	120	ug/l	
98-82-8	Isopropylbenzene	ND	25	16	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-40		
Lab Sample ID:	JD86859-8	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	130	20	ug/l	
108-87-2	Methylcyclohexane	ND	130	15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	13	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [b]	ND	130	120	ug/l	
75-09-2	Methylene chloride	ND	50	25	ug/l	
100-42-5	Styrene	ND	25	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	16	ug/l	
127-18-4	Tetrachloroethene	ND	25	14	ug/l	
108-88-3	Toluene	ND	25	12	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	25	13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	13	ug/l	
79-01-6	Trichloroethene	267	25	13	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	10	ug/l	
75-01-4	Vinyl chloride	3540	25	13	ug/l	
1330-20-7	Xylene (total)	ND	25	15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	101%	80-120%
17060-07-0	1,2-Dichloroethane-D4	92%	92%	80-120%
2037-26-5	Toluene-D8	98%	99%	80-120%
460-00-4	4-Bromofluorobenzene	93%	91%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND.
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD86859-9	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A6406.D	1	04/23/24 16:14	NW	n/a	n/a	V4A189
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD86859-9	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD86859-10	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A6414.D	1	04/23/24 18:40	NW	n/a	n/a	V4A189
Run #2	5A6421.D	10	04/23/24 20:47	NW	n/a	n/a	V5A189

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	188	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	5.8	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD86859-10	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	331 [c]	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	1.5	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	102%	80-120%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	80-120%
2037-26-5	Toluene-D8	98%	98%	80-120%
460-00-4	4-Bromofluorobenzene	94%	91%	82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3B		
Lab Sample ID:	JD86859-11	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1U65410.D	5	04/24/24 12:44	ED	n/a	n/a	V1U2439
Run #2	5A6411.D	20	04/23/24 17:45	NW	n/a	n/a	V5A189

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane [b]	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	5.1	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	2290 [c]	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	17.5	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene [d]	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3B		
Lab Sample ID:	JD86859-11	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	2160 [c]	20	11	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	6.6	5.0	2.6	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	102%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	95%	80-120%
2037-26-5	Toluene-D8	96%	97%	80-120%
460-00-4	4-Bromofluorobenzene	96%	93%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2
(d) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2B		
Lab Sample ID:	JD86859-12	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2U65411.D	20	04/24/24 12:59	ED	n/a	n/a	V2U2439
Run #2	5A6413.D	50	04/23/24 18:22	NW	n/a	n/a	V5A189

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	61	ug/l	
71-43-2	Benzene	ND	10	8.5	ug/l	
75-27-4	Bromodichloromethane	ND	20	9.0	ug/l	
75-25-2	Bromoform	ND	20	13	ug/l	
74-83-9	Bromomethane [b]	ND	40	33	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	55	ug/l	
75-15-0	Carbon disulfide	ND	40	36	ug/l	
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	11	ug/l	
75-00-3	Chloroethane	ND	20	15	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane	ND	20	15	ug/l	
110-82-7	Cyclohexane	ND	100	16	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	11	ug/l	
124-48-1	Dibromochloromethane	ND	20	11	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	9.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	11	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	11	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	12	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	12	ug/l	
156-59-2	cis-1,2-Dichloroethene	2950	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	12.9	20	11	ug/l	J
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	8.6	ug/l	
100-41-4	Ethylbenzene	ND	20	12	ug/l	
76-13-1	Freon 113	ND	100	12	ug/l	
591-78-6	2-Hexanone	ND	100	96	ug/l	
98-82-8	Isopropylbenzene	ND	20	13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2B		
Lab Sample ID:	JD86859-12	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate [c]	ND	100	16	ug/l	
108-87-2	Methylcyclohexane	ND	100	12	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	97	ug/l	
75-09-2	Methylene chloride	ND	40	20	ug/l	
100-42-5	Styrene	ND	20	9.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	13	ug/l	
127-18-4	Tetrachloroethene	ND	20	11	ug/l	
108-88-3	Toluene	ND	20	9.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	11	ug/l	
79-01-6	Trichloroethene	5730 [d]	50	26	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.0	ug/l	
75-01-4	Vinyl chloride	22.6	20	10	ug/l	
1330-20-7	Xylene (total)	ND	20	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	98%	95%	80-120%
2037-26-5	Toluene-D8	96%	98%	80-120%
460-00-4	4-Bromofluorobenzene	96%	94%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1B		
Lab Sample ID:	JD86859-13	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A6408.D	1	04/23/24 16:51	NW	n/a	n/a	V4A189
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	126	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.85	1.0	0.54	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1B		
Lab Sample ID:	JD86859-13	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	188	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	92%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-041724		
Lab Sample ID:	JD86859-14	**Date Sampled:**	04/17/24
Matrix:	AQ - Equipment Blank	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A6422.D	1	04/23/24 21:05	NW	n/a	n/a	V4A189
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-041724		
Lab Sample ID:	JD86859-14	**Date Sampled:**	04/17/24
Matrix:	AQ - Equipment Blank	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-0424		
Lab Sample ID:	JD86859-15	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5A6415.D	4	04/23/24 18:58	NW	n/a	n/a	V5A189
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	40	12	ug/l	
71-43-2	Benzene	ND	2.0	1.7	ug/l	
75-27-4	Bromodichloromethane	ND	4.0	1.8	ug/l	
75-25-2	Bromoform	ND	4.0	2.5	ug/l	
74-83-9	Bromomethane	ND	8.0	6.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	40	11	ug/l	
75-15-0	Carbon disulfide	ND	8.0	7.2	ug/l	
56-23-5	Carbon tetrachloride	ND	4.0	2.2	ug/l	
108-90-7	Chlorobenzene	ND	4.0	2.2	ug/l	
75-00-3	Chloroethane	ND	4.0	2.9	ug/l	
67-66-3	Chloroform	ND	4.0	2.0	ug/l	
74-87-3	Chloromethane	ND	4.0	3.0	ug/l	
110-82-7	Cyclohexane	ND	20	3.1	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	8.0	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	4.0	2.2	ug/l	
106-93-4	1,2-Dibromoethane	ND	4.0	1.9	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.0	2.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.0	2.2	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.0	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	8.0	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	4.0	2.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	4.0	2.4	ug/l	
75-35-4	1,1-Dichloroethene	ND	4.0	2.4	ug/l	
156-59-2	cis-1,2-Dichloroethene	551	4.0	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	5.0	4.0	2.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	4.0	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	4.0	1.9	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	1.7	ug/l	
100-41-4	Ethylbenzene	ND	4.0	2.4	ug/l	
76-13-1	Freon 113	ND	20	2.3	ug/l	
591-78-6	2-Hexanone [b]	ND	20	19	ug/l	
98-82-8	Isopropylbenzene	ND	4.0	2.6	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-0424		
Lab Sample ID:	JD86859-15	**Date Sampled:**	04/17/24
Matrix:	AQ - Ground Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	20	3.2	ug/l	
108-87-2	Methylcyclohexane	ND	20	2.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [b]	ND	20	19	ug/l	
75-09-2	Methylene chloride	ND	8.0	4.0	ug/l	
100-42-5	Styrene	ND	4.0	1.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	2.6	ug/l	
127-18-4	Tetrachloroethene	ND	4.0	2.2	ug/l	
108-88-3	Toluene	ND	4.0	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	4.0	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	4.0	2.1	ug/l	
79-01-6	Trichloroethene	ND	4.0	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	8.0	1.6	ug/l	
75-01-4	Vinyl chloride	398	4.0	2.1	ug/l	
1330-20-7	Xylene (total)	ND	4.0	2.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JD86859-16	**Date Sampled:**	04/17/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A6423.D	1	04/23/24 21:24	NW	n/a	n/a	V5A189
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JD86859-16	**Date Sampled:**	04/17/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/19/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GW
PB
TP

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 2

FED-EX Tracking #:
Bottle Order Control #: TM-04924-139
SGS Quote #:
SGS Job #: JD86859

Client / Reporting Information

Company Name: WSP
Street Address: 13530 Dulles Technology Dr
City: Herndon State: VA Zip: 20171
Project Contact: Jeff Baker (Jeffrey.baker@wsp.com, jeff.baker@wsp.com)
Phone #: (724) 822-9723
Sampler(s) Name(s): Elliott Mordykiewicz (616) 335-8395

Project Information

Project Name: Former EPT Ithaca
Street:
City: Ithaca State: NY
Project #: 31405608.001
Client Purchase Order #: P1028QUS001
Project Manager: Jeff Baker

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

SW846 8260D TCL 42

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Channel ed (Y/N)	Matrix	Number of Bottles # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	EXB-09 - MS/MSD		4/17/24	1110	EJM	G	N	GW	9	X								X	VG
2	EXB-10		4/17/24	1225	KGG	G	N	GW	3	X								X	
3	MW-46-43C		4/17/24	1348	EJM	G	N	GW	3	X								X	
4	MW-46-72C		4/17/24	1358	EJM	G	N	GW	3	X								X	
5	MW-7B		4/17/24	1415	EJM	G	N	GW	3	X								X	
6	MW-5-100		4/17/24	1426	EJM	G	N	GW	3	X								X	
7	MW-50-1600		4/17/24	1430	EJM	G	N	GW	3	X								X	
8	MW-5-40		4/17/24	1442	EJM	G	N	GW	3	X								X	
9	MW-4B		4/17/24	1540	EJM	G	N	GW	3	X								X	
10	MW-5B		4/17/24	1550	EJM	G	N	GW	3	X								X	
11	MW-3B		4/17/24	1600	EJM	G	N	GW	3	X								X	
12	MW-2B		4/17/24	1610	EJM	G	N	GW	3	X								X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [X] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Initial Assessment 2BHR
Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	4/18/24 0823	1 FEDEX	2 FEDEX	4/19/24 1150	2
Relinquished by: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal # [ ] Intact [ ] Not intact [ ] Absent	Therm ID: See Sample Receipt Summary	On Ice: X Cooler Temp. °C: 0.3 IR50

EHSA-QAC-0023-[I] Rev Date:6/5/22

JD86859: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 2 of 2

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD86859

Client / Reporting Information

Company Name: WSP
Street Address: 13530 Dulles Technology Dr
City / State / Zip: Herndon VA 20171
Project Contact: Jeff Baker | E-mail: jeffrey.baker@wsp.com
Phone #: (724) 822-9723
Sampler(s) Name(s): Elliott Merryman | Phone #: (716) 380-5395

Project Information

Project Name: Former EPT Ithaca
Street:
City / State: Ithaca NY
Project #: 31405608.001
Client Purchase Order #: P1028020S001
Project Manager: Jeffrey Baker

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

SW846 8260D TCL 42

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source (Potable) ed (Y/N)	Matrix	Number of Bottles # of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
13	MW-1B		4/17/24	1620	EJM	G	N	GW	3	X								X	
14	EB-041724		"	1000	EJM	"	"	"	3	X								X	
15	MW-0424		"	0600	EJM	"	"	"	3	X								X	
16	~~TB~~ TRIP BLANK		—	—	—	—	—	—	2	X								X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [X] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		4/18/24 0823	1	2		2
3			3	4		4
5			5	Custody Seal #	☐ Intact ☐ Not Intact ☐ Absent	Therm ID: See Sample Receipt Summary — On Ice ☐ — Cooler Temp. °C

EHSA-QAC-0023-05 Rev.Date 8/5/22

JD86859: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: JD86859 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 4/19/2024 11:50:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (0.3);

Cooler Temps (Corrected) °C: Cooler 1: (0.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

September 2024 Annual Event 1 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

US-WSP-31405608.001/TASK02

SGS Job Number: JD97090

Sampling Dates: 09/24/24 - 09/26/24

Report to:

dave.rykaczewski@wsp.com

ATTN: Distribution5

Total number of pages in report: **116**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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EHS.US.CustomerCare@sgs.com

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Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD97090

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD97090-1	09/24/24	10:12	EM	09/27/24	AQ	Water	EXB-09
JD97090-1D	09/24/24	10:12	EM	09/27/24	AQ	Water Dup/MSD	EXB-09-MSD
JD97090-1S	09/24/24	10:12	EM	09/27/24	AQ	Water Matrix Spike	EXB-09-MS
JD97090-2	09/24/24	11:25	EM	09/27/24	AQ	Water	EXB-07
JD97090-3	09/24/24	12:25	EM	09/27/24	AQ	Water	MW-16-100
JD97090-4	09/24/24	13:19	EM	09/27/24	AQ	Water	MW-32B
JD97090-5	09/24/24	13:57	EM	09/27/24	AQ	Water	LBA-MW-30
JD97090-6	09/24/24	14:35	EM	09/27/24	AQ	Water	MW-31B
JD97090-7	09/24/24	15:00	EM	09/27/24	AQ	Water	MW-7-40
JD97090-8	09/24/24	17:00	EM	09/27/24	AQ	Equipment Blank	EB-092424
JD97090-9	09/25/24	09:50	EM	09/27/24	AQ	Water	WSP-MW-04B
JD97090-10	09/25/24	10:24	EM	09/27/24	AQ	Water	LBA-MW-26

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Sample Summary
(continued)

WSP USA Environment & Infrastructure Inc

Job No: JD97090

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD97090-11	09/25/24	12:20	EM	09/27/24	AQ	Water	WSP-MW-06C
JD97090-12	09/25/24	12:30	EM	09/27/24	AQ	Water	LBA-MW-39
JD97090-13	09/25/24	13:46	EM	09/27/24	AQ	Water	LBA-MW-43N
JD97090-14	09/25/24	14:10	EM	09/27/24	AQ	Water	MW-1B
JD97090-15	09/25/24	14:24	EM	09/27/24	AQ	Water	MW-2B
JD97090-16	09/25/24	15:00	EM	09/27/24	AQ	Water	MW-44T
JD97090-17	09/25/24	15:49	EM	09/27/24	AQ	Water	MW-8-40
JD97090-18	09/25/24	16:18	EM	09/27/24	AQ	Water	MW-20B
JD97090-19	09/25/24	16:18	EM	09/27/24	AQ	Water	LBA-MW-43S
JD97090-20	09/25/24	16:30	EM	09/27/24	AQ	Water	EW-14
JD97090-21	09/25/24	16:37	EM	09/27/24	AQ	Water	MW-7B
JD97090-22	09/25/24	16:45	EM	09/27/24	AQ	Water	MW-46-43C
JD97090-23	09/25/24	16:45	EM	09/27/24	AQ	Water	EXB-10

Sample Summary
(continued)

WSP USA Environment & Infrastructure Inc

Job No: JD97090

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD97090-24	09/25/24	16:53	EM	09/27/24	AQ	Water	MW-46-72C
JD97090-25	09/25/24	17:10	EM	09/27/24	AQ	Water	MW-5-40
JD97090-26	09/25/24	17:22	EM	09/27/24	AQ	Water	MW-5-100
JD97090-27	09/25/24	17:30	EM	09/27/24	AQ	Equipment Blank	EB-092524
JD97090-28	09/25/24	10:55	EM	09/27/24	AQ	Water	MW-100
JD97090-29	09/25/24	12:34	EM	09/27/24	AQ	Water	MW-101
JD97090-30	09/25/24	11:22	EM	09/27/24	AQ	Water	MW-102
JD97090-31	09/26/24	09:15	EM	09/27/24	AQ	Water	MW-4B
JD97090-31D	09/26/24	09:15	EM	09/27/24	AQ	Water Dup/MSD	MW-4B-MSD
JD97090-31S	09/26/24	09:15	EM	09/27/24	AQ	Water Matrix Spike	MW-4B-MS
JD97090-32	09/26/24	09:50	EM	09/27/24	AQ	Water	EW-13
JD97090-33	09/26/24	10:15	EM	09/27/24	AQ	Water	MW-40T
JD97090-34	09/26/24	10:30	EM	09/27/24	AQ	Water	LBA-MW-23

Sample Summary
(continued)

WSP USA Environment & Infrastructure Inc

Job No: JD97090

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD97090-35	09/26/24	10:40	EM	09/27/24	AQ	Water	MW-22B
JD97090-36	09/26/24	10:46	EM	09/27/24	AQ	Water	LBA-MW-18
JD97090-37	09/26/24	11:00	EM	09/27/24	AQ	Water	MW-18A
JD97090-37D	09/26/24	11:00	EM	09/27/24	AQ	Water Dup/MSD	MW-18A-MSD
JD97090-37S	09/26/24	11:00	EM	09/27/24	AQ	Water Matrix Spike	MW-18A-MS
JD97090-38	09/26/24	11:05	EM	09/27/24	AQ	Water	WSP-MW-08B
JD97090-39	09/26/24	13:40	EM	09/27/24	AQ	Water	LBA-MW-35
JD97090-40	09/26/24	15:00	EM	09/27/24	AQ	Water	MWA-50-160D
JD97090-41	09/26/24	16:10	EM	09/27/24	AQ	Water	LBA-MW-34N
JD97090-42	09/26/24	14:22	EM	09/27/24	AQ	Water	MW-103
JD97090-43	09/26/24	16:00	EM	09/27/24	AQ	Equipment Blank	EB-092624
JD97090-44	09/25/24	15:06	EM	09/27/24	AQ	Water	MW-3B
JD97090-45	09/26/24	15:20	EM	09/27/24	AQ	Water	MW-5B

Sample Summary
(continued)

WSP USA Environment & Infrastructure Inc

Job No: JD97090

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD97090-46	09/26/24	16:10	EM	09/27/24	AQ	Trip Blank Water	TB-092624

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: WSP USA Environment & Infrastructure Inc **Job No:** JD97090

Site: EPT, Ithaca, NY **Report Date** 10/16/2024 10:00:31 A

On 09/27/2024, 42 sample(s), 1 Trip Blank(s), 3 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.4 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD97090 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1J470

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD97088-22MS, JD97088-22MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** V1K521

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD96962-29MS, JD96962-29MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** V1T330

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97090-37MS, JD97090-37MSD were used as the QC samples indicated.
- JD97090-29: Dilution required due to high concentration of target compound.
- JD97090-40: Dilution required due to high concentration of target compound.
- JD97090-29 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-18 for Bromomethane: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** V1U2560

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97090-1MS, JD97090-1MSD were used as the QC samples indicated.
- The matrix spike duplicate (MSD) recovery(s) of 1,1-Dichloroethene, Carbon disulfide, Chloroethane, Freon 113, Methyl Acetate, Methyl Tert Butyl Ether, Methylene chloride, trans-1,2-Dichloroethene, Trichlorofluoromethane are outside control limits. Outside control limits due to matrix interference.
- The RPD(s) for the MS and MSD recoveries of 1,1-Dichloroethene, Acetone, Carbon disulfide, Chloroethane, Dichlorodifluoromethane, Freon 113, Methyl Acetate, Methyl Tert Butyl Ether, Methylene chloride, trans-1,2-Dichloroethene, Trichlorofluoromethane are outside control limits for sample JD97090-1MSD. Probable cause due to sample homogeneity.
- JD97090-24: Dilution required due to high concentration of target compound.
- JD97090-15: Dilution required due to high concentration of target compound.
- JD97090-15 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-24 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-3 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-7 for Chloromethane: Associated CCV outside of control limits high, sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1U2560

- JD97090-21 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-1 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-26 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-14 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-32 for Chloromethane: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** V1X8939

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97127-1MS, JD97127-1MSD were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of Carbon disulfide, 1,1-Dichloroethene, cis-1,2-Dichloroethene are outside control limits.
- The matrix spike duplicate (MSD) recovery(s) of Carbon disulfide, Methylene chloride are outside control limits. Probable cause due to matrix interference.
- JD97090-22: Dilution required due to high concentration of target compound.
- JD97090-2: Dilution required due to high concentration of target compound.
- JD97090-22 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- JD97090-22 for Carbon disulfide: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD97090-2 for Carbon disulfide: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD97090-2 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- JD97090-20 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- V1X8939-BS for Carbon disulfide: High percent recovery and no associated positive reported in the QC batch.
- V1X8939-BS for cis-1,2-Dichloroethene: Outside of in house control limits, but within the marginal exceedance limits.
- JD97090-20 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD97090-20 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-20 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-20 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JD97090-20 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-20 for Carbon disulfide: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V1X8939-BS for 1,1-Dichloroethene: Outside of in house control limits, but within the marginal exceedance limits.
- JD97090-20 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** V2K522

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97090-31MS, JD97090-31MSD were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of Trichlorofluoromethane are outside control limits.
- The matrix spike (MS) recovery(s) of Trichlorofluoromethane are outside control limits. Probable cause due to matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of Trichlorofluoromethane are outside control limits. Probable cause due to matrix interference.
- JD97090-25: Dilution required due to high concentration of target compound.
- JD97090-25 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2K522

- JD97090-31 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V2K522-BS for Trichlorofluoromethane: High percent recovery and no associated positive reported in the QC batch.

Matrix: AQ **Batch ID:** V2T330

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97090-44MS, JD97090-44MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of cis-1,2-Dichloroethene, Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD97090-44: Dilution required due to high concentration of target compound.
- JD97090-42: Dilution required due to high concentration of target compound.
- JD97090-33: Dilution required due to high concentration of target compound.; #56 out of range

Matrix: AQ **Batch ID:** V2U2560

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97090-2MS, JD97090-2MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of 1,1-Dichloroethene, Carbon disulfide, Freon 113, Methylene chloride, Trichlorofluoromethane are outside control limits. Outside control limits due to matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of Trichlorofluoromethane are outside control limits. Probable cause due to matrix interference.
- The matrix spike (MS) recovery(s) of cis-1,2-Dichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The RPD(s) for the MS and MSD recoveries of 1,1-Dichloroethene, Acetone, Carbon disulfide, Freon 113, Methylene chloride are outside control limits for sample JD97090-2MSD. Probable cause due to sample homogeneity.
- JD97090-34 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.
- JD97090-28 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JD97090-34 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits high, sample was ND.
- JD97090-34 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-17 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-34 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-28 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-2MSD for Acetone: Outside control limits due to matrix interference.
- JD97090-12 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.
- JD97090-8 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JD97090-4 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JD97090-4 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-4 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-4 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits high, sample was ND.
- JD97090-12 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-2MSD for 1,1-Dichloroethene: Outside control limits due to matrix interference.
- JD97090-12 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits high, sample was ND.
- JD97090-34 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JD97090-2MSD for Carbon disulfide: Outside control limits due to matrix interference.
- JD97090-8 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2U2560

- JD97090-8 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits high, sample was ND.
- JD97090-8 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-8 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-4 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.
- JD97090-23 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-28 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-28 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits high, sample was ND.
- JD97090-28 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.
- JD97090-23 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JD97090-17 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JD97090-23 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-17 for Chloromethane: Associated CCV outside of control limits high, sample was ND.
- JD97090-23 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits high, sample was ND.
- JD97090-23 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.
- JD97090-2MSD for Methylene chloride: Outside control limits due to matrix interference.
- JD97090-2MSD for Freon 113: Outside control limits due to matrix interference.
- JD97090-17 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits high, sample was ND.
- JD97090-17 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** V4A298

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD97146-6MS, JD97146-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** V5A298

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97146-2DUP, JD97146-4MS were used as the QC samples indicated.

Metals Analysis By Method EPA 200.7

Matrix: AQ **Batch ID:** MP49655

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97090-9MS, JD97090-9SDL, JD97090-9MSD were used as the QC samples for the metals analysis.
- The RPD(s) for the MS and MSD recoveries of Arsenic, Barium, Cadmium, Chromium, Lead, Selenium are outside control limits for sample MP49655-S2. Probable cause due to sample homogeneity.
- The serial dilution RPD(s) for Lead are outside control limits for sample MP49655-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: AQ **Batch ID:** MP49671

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97203-3MS, JD97203-3MSD, JD97203-3SDL were used as the QC samples for the metals analysis.

Matrix: AQ **Batch ID:** MP49681

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97139-1MS, JD97139-1MSD, JD97139-1SDL were used as the QC samples for the metals analysis.
- The serial dilution RPD(s) for Silver are outside control limits for sample MP49681-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: AQ **Batch ID:** MP49755

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97388-1MS, JD97388-1MSD, JD97388-1SDL were used as the QC samples for the metals analysis.

Metals Analysis By Method EPA 245.1

Matrix: AQ **Batch ID:** MP49650

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97090-9MS, JD97090-9MSD were used as the QC samples for the metals analysis.

General Chemistry By Method EPA 335.4/LACHAT

Matrix: AQ **Batch ID:** GP56976

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97000-3DUP, JD97000-3MS were used as the QC samples for the Cyanide analysis.
- The matrix spike (MS) recovery(s) of Cyanide are outside control limits. Spike recovery indicates possible matrix interference.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD97090
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 09/24/24 thru 09/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD97090-1	**EXB-09**					
No hits reported in this sample.						
JD97090-2	**EXB-07**					
cis-1,2-Dichloroethene		1260	50	25	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		18.6	5.0	2.7	ug/l	SW846 8260D
Trichloroethene [a]		201	5.0	2.6	ug/l	SW846 8260D
Vinyl chloride [a]		9.5	5.0	2.6	ug/l	SW846 8260D
JD97090-3	**MW-16-100**					
cis-1,2-Dichloroethene		1.5	1.0	0.51	ug/l	SW846 8260D
Vinyl chloride		4.8	1.0	0.52	ug/l	SW846 8260D
JD97090-4	**MW-32B**					
cis-1,2-Dichloroethene		14.3	1.0	0.51	ug/l	SW846 8260D
Methylcyclohexane		1.2 J	5.0	0.60	ug/l	SW846 8260D
Trichloroethene		29.7	1.0	0.53	ug/l	SW846 8260D
JD97090-5	**LBA-MW-30**					
Barium		217	200		ug/l	EPA 200.7
Cyanide		0.21	0.010		mg/l	EPA 335.4/LACHAT
JD97090-6	**MW-31B**					
No hits reported in this sample.						
JD97090-7	**MW-7-40**					
cis-1,2-Dichloroethene		87.8	1.0	0.51	ug/l	SW846 8260D
trans-1,2-Dichloroethene		1.2	1.0	0.54	ug/l	SW846 8260D
Vinyl chloride		23.4	1.0	0.52	ug/l	SW846 8260D
JD97090-8	**EB-092424**					
Acetone		7.2 J	10	3.1	ug/l	SW846 8260D
2-Butanone (MEK)		3.7 J	10	2.7	ug/l	SW846 8260D
JD97090-9	**WSP-MW-04B**					
Barium		252	200		ug/l	EPA 200.7

Summary of Hits

Job Number: JD97090
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 09/24/24 thru 09/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Cyanide		0.65	0.010		mg/l	EPA 335.4/LACHAT
JD97090-10	**LBA-MW-26**					
Barium		1650	200		ug/l	EPA 200.7
JD97090-11	**WSP-MW-06C**					
Barium		5940	200		ug/l	EPA 200.7
JD97090-12	**LBA-MW-39**					
Chloroethane		45.3	1.0	0.73	ug/l	SW846 8260D
1,1-Dichloroethane		200	1.0	0.57	ug/l	SW846 8260D
1,1-Dichloroethene		9.5	1.0	0.59	ug/l	SW846 8260D
cis-1,2-Dichloroethene		9.4	1.0	0.51	ug/l	SW846 8260D
1,1,1-Trichloroethane		160	1.0	0.54	ug/l	SW846 8260D
Trichloroethene		1.8	1.0	0.53	ug/l	SW846 8260D
Vinyl chloride		4.7	1.0	0.52	ug/l	SW846 8260D
Cyanide		0.38	0.010		mg/l	EPA 335.4/LACHAT
JD97090-13	**LBA-MW-43N**					
Cyanide		1.7	0.060		mg/l	EPA 335.4/LACHAT
JD97090-14	**MW-1B**					
1,1-Dichloroethene		1.3	1.0	0.59	ug/l	SW846 8260D
cis-1,2-Dichloroethene		481	10	5.1	ug/l	SW846 8260D
trans-1,2-Dichloroethene		2.8	1.0	0.54	ug/l	SW846 8260D
Trichloroethene		564	10	5.3	ug/l	SW846 8260D
Vinyl chloride		8.0	1.0	0.52	ug/l	SW846 8260D
JD97090-15	**MW-2B**					
cis-1,2-Dichloroethene		5730	200	100	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		28.9	20	11	ug/l	SW846 8260D
Trichloroethene		5690	200	110	ug/l	SW846 8260D
Vinyl chloride [a]		88.1	20	10	ug/l	SW846 8260D
JD97090-16	**MW-44T**					
Barium		2420	200		ug/l	EPA 200.7
Cyanide		0.028	0.010		mg/l	EPA 335.4/LACHAT

Summary of Hits

Job Number: JD97090
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 09/24/24 thru 09/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD97090-17	**MW-8-40**					
No hits reported in this sample.						
JD97090-18	**MW-20B**					
No hits reported in this sample.						
JD97090-19	**LBA-MW-43S**					
Barium		6100	200		ug/l	EPA 200.7
Cyanide		0.60	0.010		mg/l	EPA 335.4/LACHAT
JD97090-20	**EW-14**					
cis-1,2-Dichloroethene		25.1	1.0	0.51	ug/l	SW846 8260D
Vinyl chloride		1.4	1.0	0.52	ug/l	SW846 8260D
JD97090-21	**MW-7B**					
cis-1,2-Dichloroethene		114	1.0	0.51	ug/l	SW846 8260D
trans-1,2-Dichloroethene		0.94 J	1.0	0.54	ug/l	SW846 8260D
Trichloroethene		3.1	1.0	0.53	ug/l	SW846 8260D
Vinyl chloride		28.1	1.0	0.52	ug/l	SW846 8260D
JD97090-22	**MW-46-43C**					
cis-1,2-Dichloroethene		12400	500	250	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		118	50	27	ug/l	SW846 8260D
Vinyl chloride [a]		8310	50	26	ug/l	SW846 8260D
JD97090-23	**EXB-10**					
cis-1,2-Dichloroethene		1.1	1.0	0.51	ug/l	SW846 8260D
JD97090-24	**MW-46-72C**					
cis-1,2-Dichloroethene [a]		6020	50	25	ug/l	SW846 8260D
Trichloroethene [a]		6830	50	26	ug/l	SW846 8260D
Vinyl chloride [a]		160	50	26	ug/l	SW846 8260D
JD97090-25	**MW-5-40**					
cis-1,2-Dichloroethene		10300	500	250	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		201	50	27	ug/l	SW846 8260D

Summary of Hits

Job Number: JD97090
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 09/24/24 thru 09/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethene [a]		1480	50	26	ug/l	SW846 8260D
Vinyl chloride [a]		2570	50	26	ug/l	SW846 8260D
JD97090-26	**MW-5-100**					
cis-1,2-Dichloroethene		6.0	1.0	0.51	ug/l	SW846 8260D
Trichloroethene		1.1	1.0	0.53	ug/l	SW846 8260D
Vinyl chloride		2.7	1.0	0.52	ug/l	SW846 8260D
JD97090-27	**EB-092524**					
No hits reported in this sample.						
JD97090-28	**MW-100**					
No hits reported in this sample.						
JD97090-29	**MW-101**					
1,1-Dichloroethene [a]		22.4	20	12	ug/l	SW846 8260D
cis-1,2-Dichloroethene		8740	100	51	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		23.9	20	11	ug/l	SW846 8260D
Trichloroethene		4610	100	53	ug/l	SW846 8260D
Vinyl chloride [a]		676	20	10	ug/l	SW846 8260D
JD97090-30	**MW-102**					
Barium		3090	200		ug/l	EPA 200.7
Cyanide		0.033	0.010		mg/l	EPA 335.4/LACHAT
JD97090-31	**MW-4B**					
Vinyl chloride		0.84 J	1.0	0.52	ug/l	SW846 8260D
JD97090-32	**EW-13**					
Chloroform		0.74 J	1.0	0.50	ug/l	SW846 8260D
cis-1,2-Dichloroethene		87.1	1.0	0.51	ug/l	SW846 8260D
Trichloroethene		6.3	1.0	0.53	ug/l	SW846 8260D
Vinyl chloride		7.8	1.0	0.52	ug/l	SW846 8260D
JD97090-33	**MW-40T**					
1,1-Dichloroethene [b]		8.0 J	10	5.9	ug/l	SW846 8260D
cis-1,2-Dichloroethene		4300	100	51	ug/l	SW846 8260D

Summary of Hits

Job Number: JD97090
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 09/24/24 thru 09/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
trans-1,2-Dichloroethene [b]		38.2	10	5.4	ug/l	SW846 8260D
Vinyl chloride [b]		298	10	5.2	ug/l	SW846 8260D
JD97090-34	**LBA-MW-23**					
cis-1,2-Dichloroethene		4.0	1.0	0.51	ug/l	SW846 8260D
Trichloroethene		0.60 J	1.0	0.53	ug/l	SW846 8260D
JD97090-35	**MW-22B**					
No hits reported in this sample.						
JD97090-36	**LBA-MW-18**					
Barium		3580	200		ug/l	EPA 200.7
JD97090-37	**MW-18A**					
No hits reported in this sample.						
JD97090-38	**WSP-MW-08B**					
Cyanide		0.039	0.010		mg/l	EPA 335.4/LACHAT
JD97090-39	**LBA-MW-35**					
Barium		4130	200		ug/l	EPA 200.7
Cyanide		0.32	0.010		mg/l	EPA 335.4/LACHAT
JD97090-40	**MWA-50-160D**					
1,1-Dichloroethene [a]		4.1 J	5.0	3.0	ug/l	SW846 8260D
cis-1,2-Dichloroethene		2440	50	25	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		8.6	5.0	2.7	ug/l	SW846 8260D
Trichloroethene [a]		4.1 J	5.0	2.6	ug/l	SW846 8260D
Vinyl chloride		1250	50	26	ug/l	SW846 8260D
JD97090-41	**LBA-MW-34N**					
Chloroethane		1.2	1.0	0.73	ug/l	SW846 8260D
1,1-Dichloroethane		24.8	1.0	0.57	ug/l	SW846 8260D
cis-1,2-Dichloroethene		12.7	1.0	0.51	ug/l	SW846 8260D
trans-1,2-Dichloroethene		2.2	1.0	0.54	ug/l	SW846 8260D
Vinyl chloride		48.7	1.0	0.52	ug/l	SW846 8260D
Barium		1540	200		ug/l	EPA 200.7

Summary of Hits

Job Number: JD97090
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 09/24/24 thru 09/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD97090-42	**MW-103**					
1,1-Dichloroethene [a]		3.6 J	5.0	3.0	ug/l	SW846 8260D
cis-1,2-Dichloroethene		2400	50	25	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		7.4	5.0	2.7	ug/l	SW846 8260D
Trichloroethene [a]		4.5 J	5.0	2.6	ug/l	SW846 8260D
Vinyl chloride		1260	50	26	ug/l	SW846 8260D
JD97090-43	**EB-092624**					
No hits reported in this sample.						
JD97090-44	**MW-3B**					
1,1-Dichloroethene [a]		15.4 J	20	12	ug/l	SW846 8260D
cis-1,2-Dichloroethene		8070	200	100	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		56.4	20	11	ug/l	SW846 8260D
Trichloroethene		5640	200	110	ug/l	SW846 8260D
Vinyl chloride [a]		119	20	10	ug/l	SW846 8260D
JD97090-45	**MW-5B**					
1,1-Dichloroethene		4.1	1.0	0.59	ug/l	SW846 8260D
cis-1,2-Dichloroethene		1890	100	51	ug/l	SW846 8260D
trans-1,2-Dichloroethene		24.8	1.0	0.54	ug/l	SW846 8260D
Trichloroethene		429	10	5.3	ug/l	SW846 8260D
Vinyl chloride		4.3	1.0	0.52	ug/l	SW846 8260D
JD97090-46	**TB-092624**					
No hits reported in this sample.						

(a) Dilution required due to high concentration of target compound.
(b) Dilution required due to high concentration of target compound.; #56 out of range

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	EXB-09		
Lab Sample ID:	JD97090-1	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U70496.D	1	10/01/24 12:51	BK	n/a	n/a	V1U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EXB-09		
Lab Sample ID:	JD97090-1	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EXB-07		
Lab Sample ID:	JD97090-2	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1X210072.D	5	10/02/24 18:34	NW	n/a	n/a	V1X8939
Run #2	1X210075.D	50	10/02/24 19:49	NW	n/a	n/a	V1X8939

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide [c]	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane [b]	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane [b]	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	1260 [d]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	18.6	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113 [b]	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EXB-07		
Lab Sample ID:	JD97090-2	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	201	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane [b]	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	9.5	5.0	2.6	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	101%	80-120%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	80-120%
2037-26-5	Toluene-D8	103%	104%	80-120%
460-00-4	4-Bromofluorobenzene	105%	106%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16-100		
Lab Sample ID:	JD97090-3	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U70498.D	1	10/01/24 13:21	BK	n/a	n/a	V1U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.5	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16-100		
Lab Sample ID:	JD97090-3	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	4.8	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-32B		
Lab Sample ID:	JD97090-4	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U70499.D	1	10/01/24 13:35	BK	n/a	n/a	V2U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	14.3	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-32B		
Lab Sample ID:	JD97090-4	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	1.2	5.0	0.60	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	29.7	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-30		
Lab Sample ID:	JD97090-5	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	217	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57011
(2) Prep QC Batch: MP49655

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LBA-MW-30		
Lab Sample ID:	JD97090-5	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.21	0.010	mg/l	1	10/03/24 21:05	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-31B		
Lab Sample ID:	JD97090-6	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	< 200	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57011
(2) Prep QC Batch: MP49655

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-7-40		
Lab Sample ID:	JD97090-7	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U70500.D	1	10/01/24 13:50	BK	n/a	n/a	V1U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	87.8	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.2	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7-40		
Lab Sample ID:	JD97090-7	**Date Sampled:**	09/24/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	23.4	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-092424		
Lab Sample ID:	JD97090-8	**Date Sampled:**	09/24/24
Matrix:	AQ - Equipment Blank	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U70489.D	1	10/01/24 11:07	BK	n/a	n/a	V2U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	7.2	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	3.7	10	2.7	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-092424		
Lab Sample ID:	JD97090-8	**Date Sampled:**	09/24/24
Matrix:	AQ - Equipment Blank	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSP-MW-04B		
Lab Sample ID:	JD97090-9	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [2]	EPA 200.7 [5]
Barium	252	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [2]	EPA 200.7 [5]
Cadmium	< 3.0	3.0	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [2]	EPA 200.7 [5]
Chromium	< 10	10	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [2]	EPA 200.7 [5]
Lead	< 3.0	3.0	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [2]	EPA 200.7 [5]
Mercury	< 0.20	0.20	ug/l	1	10/01/24	10/02/24	MK	EPA 245.1 [1]	EPA 245.1 [4]
Selenium	< 10	10	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [2]	EPA 200.7 [5]
Silver	< 10	10	ug/l	1	10/03/24	10/04/24	KP	EPA 200.7 [3]	EPA 200.7 [6]

(1) Instrument QC Batch: MA56999
(2) Instrument QC Batch: MA57011
(3) Instrument QC Batch: MA57027
(4) Prep QC Batch: MP49650
(5) Prep QC Batch: MP49655
(6) Prep QC Batch: MP49681

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSP-MW-04B		
Lab Sample ID:	JD97090-9	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.65	0.010	mg/l	1	10/03/24 21:06	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LBA-MW-26		
Lab Sample ID:	JD97090-10	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	1650	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57011
(2) Prep QC Batch: MP49655

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSP-MW-06C		
Lab Sample ID:	JD97090-11	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	5940	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57011
(2) Prep QC Batch: MP49655

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LBA-MW-39		
Lab Sample ID:	JD97090-12	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U70501.D	1	10/01/24 14:05	BK	n/a	n/a	V2U2560
Run #2	2T12744.D	1	10/02/24 12:06	NW	n/a	n/a	V2T330

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	45.3 [a]	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [b]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	200	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	9.5	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	9.4	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [b]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-39		
Lab Sample ID:	JD97090-12	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [b]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	160	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.8	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	4.7 [a]	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	90%	80-120%
2037-26-5	Toluene-D8	104%	98%	80-120%
460-00-4	4-Bromofluorobenzene	96%	93%	82-114%

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-39		
Lab Sample ID:	JD97090-12	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.38	0.010	mg/l	1	10/03/24 21:07	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LBA-MW-43N		
Lab Sample ID:	JD97090-13	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	1.7	0.060	mg/l	6	10/03/24 21:28	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-1B		
Lab Sample ID:	JD97090-14	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U70502.D	1	10/01/24 14:20	BK	n/a	n/a	V1U2560
Run #2	1X210071.D	10	10/02/24 18:09	NW	n/a	n/a	V1X8939

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	1.3	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	481 [b]	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.8	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1B		
Lab Sample ID:	JD97090-14	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	564 [b]	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	8.0	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	80-120%
2037-26-5	Toluene-D8	104%	103%	80-120%
460-00-4	4-Bromofluorobenzene	94%	107%	82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2B		
Lab Sample ID:	JD97090-15	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1U70508.D	20	10/01/24 15:49	BK	n/a	n/a	V1U2560
Run #2	2U70495.D	200	10/01/24 12:36	BK	n/a	n/a	V2U2560

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	61	ug/l	
71-43-2	Benzene	ND	10	8.5	ug/l	
75-27-4	Bromodichloromethane	ND	20	9.0	ug/l	
75-25-2	Bromoform	ND	20	13	ug/l	
74-83-9	Bromomethane	ND	40	33	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	55	ug/l	
75-15-0	Carbon disulfide	ND	40	36	ug/l	
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	11	ug/l	
75-00-3	Chloroethane	ND	20	15	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane [b]	ND	20	15	ug/l	
110-82-7	Cyclohexane	ND	100	16	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	11	ug/l	
124-48-1	Dibromochloromethane	ND	20	11	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	9.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	11	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	11	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	12	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	12	ug/l	
156-59-2	cis-1,2-Dichloroethene	5730 [c]	200	100	ug/l	
156-60-5	trans-1,2-Dichloroethene	28.9	20	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	8.6	ug/l	
100-41-4	Ethylbenzene	ND	20	12	ug/l	
76-13-1	Freon 113	ND	100	12	ug/l	
591-78-6	2-Hexanone	ND	100	96	ug/l	
98-82-8	Isopropylbenzene	ND	20	13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2B		
Lab Sample ID:	JD97090-15	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	100	16	ug/l	
108-87-2	Methylcyclohexane	ND	100	12	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	97	ug/l	
75-09-2	Methylene chloride	ND	40	20	ug/l	
100-42-5	Styrene	ND	20	9.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	13	ug/l	
127-18-4	Tetrachloroethene	ND	20	11	ug/l	
108-88-3	Toluene	ND	20	9.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	11	ug/l	
79-01-6	Trichloroethene	5690 [c]	200	110	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.0	ug/l	
75-01-4	Vinyl chloride	88.1	20	10	ug/l	
1330-20-7	Xylene (total)	ND	20	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	99%	80-120%
17060-07-0	1,2-Dichloroethane-D4	103%	99%	80-120%
2037-26-5	Toluene-D8	103%	103%	80-120%
460-00-4	4-Bromofluorobenzene	95%	96%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-44T		
Lab Sample ID:	JD97090-16	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	2420	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57011
(2) Prep QC Batch: MP49655

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-44T		
Lab Sample ID:	JD97090-16	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.028	0.010	mg/l	1	10/03/24 21:09	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-8-40		
Lab Sample ID:	JD97090-17	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U70503.D	1	10/01/24 14:35	BK	n/a	n/a	V2U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8-40		
Lab Sample ID:	JD97090-17	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20B		
Lab Sample ID:	JD97090-18	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T12745.D	1	10/02/24 12:20	NW	n/a	n/a	V1T330
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20B		
Lab Sample ID:	JD97090-18	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-43S		
Lab Sample ID:	JD97090-19	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	6100	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57011
(2) Prep QC Batch: MP49655

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LBA-MW-43S		
Lab Sample ID:	JD97090-19	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.60	0.010	mg/l	1	10/03/24 21:10	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EW-14		
Lab Sample ID:	JD97090-20	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1X210069.D	1	10/02/24 17:19	NW	n/a	n/a	V1X8939
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide [b]	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	25.1	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113 [a]	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-14		
Lab Sample ID:	JD97090-20	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene [a]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [a]	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	1.4	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	106%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7B		
Lab Sample ID:	JD97090-21	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U70506.D	1	10/01/24 15:20	BK	n/a	n/a	V1U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	114	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.94	1.0	0.54	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7B		
Lab Sample ID:	JD97090-21	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	3.1	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	28.1	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-46-43C		
Lab Sample ID:	JD97090-22	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1X210073.D	50	10/02/24 18:59	NW	n/a	n/a	V1X8939
Run #2	1X210076.D	500	10/02/24 20:14	NW	n/a	n/a	V1X8939

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	500	150	ug/l	
71-43-2	Benzene	ND	25	21	ug/l	
75-27-4	Bromodichloromethane	ND	50	23	ug/l	
75-25-2	Bromoform	ND	50	32	ug/l	
74-83-9	Bromomethane	ND	100	82	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	140	ug/l	
75-15-0	Carbon disulfide [c]	ND	100	90	ug/l	
56-23-5	Carbon tetrachloride	ND	50	28	ug/l	
108-90-7	Chlorobenzene	ND	50	28	ug/l	
75-00-3	Chloroethane [b]	ND	50	36	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
74-87-3	Chloromethane [b]	ND	50	38	ug/l	
110-82-7	Cyclohexane	ND	250	39	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	26	ug/l	
124-48-1	Dibromochloromethane	ND	50	28	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	24	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	27	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	100	28	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	28	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	30	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	30	ug/l	
156-59-2	cis-1,2-Dichloroethene	12400 [d]	500	250	ug/l	
156-60-5	trans-1,2-Dichloroethene	118	50	27	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	24	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	22	ug/l	
100-41-4	Ethylbenzene	ND	50	30	ug/l	
76-13-1	Freon 113 [b]	ND	250	29	ug/l	
591-78-6	2-Hexanone	ND	250	240	ug/l	
98-82-8	Isopropylbenzene	ND	50	32	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-46-43C		
Lab Sample ID:	JD97090-22	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	250	40	ug/l	
108-87-2	Methylcyclohexane	ND	250	30	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	240	ug/l	
75-09-2	Methylene chloride	ND	100	50	ug/l	
100-42-5	Styrene	ND	50	24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	33	ug/l	
127-18-4	Tetrachloroethene	ND	50	28	ug/l	
108-88-3	Toluene	ND	50	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	27	ug/l	
79-01-6	Trichloroethene	ND	50	26	ug/l	
75-69-4	Trichlorofluoromethane [b]	ND	100	20	ug/l	
75-01-4	Vinyl chloride	8310	50	26	ug/l	
1330-20-7	Xylene (total)	ND	50	30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	104%	80-120%
2037-26-5	Toluene-D8	103%	103%	80-120%
460-00-4	4-Bromofluorobenzene	107%	106%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EXB-10		
Lab Sample ID:	JD97090-23	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U70517.D	1	10/01/24 18:03	BK	n/a	n/a	V2U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.1	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EXB-10		
Lab Sample ID:	JD97090-23	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-46-72C		
Lab Sample ID:	JD97090-24	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1U70510.D	50	10/01/24 16:19	BK	n/a	n/a	V1U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	150	ug/l	
71-43-2	Benzene	ND	25	21	ug/l	
75-27-4	Bromodichloromethane	ND	50	23	ug/l	
75-25-2	Bromoform	ND	50	32	ug/l	
74-83-9	Bromomethane	ND	100	82	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	100	90	ug/l	
56-23-5	Carbon tetrachloride	ND	50	28	ug/l	
108-90-7	Chlorobenzene	ND	50	28	ug/l	
75-00-3	Chloroethane	ND	50	36	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
74-87-3	Chloromethane [b]	ND	50	38	ug/l	
110-82-7	Cyclohexane	ND	250	39	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	26	ug/l	
124-48-1	Dibromochloromethane	ND	50	28	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	24	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	27	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	28	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	28	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	30	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	30	ug/l	
156-59-2	cis-1,2-Dichloroethene	6020	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	27	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	24	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	22	ug/l	
100-41-4	Ethylbenzene	ND	50	30	ug/l	
76-13-1	Freon 113	ND	250	29	ug/l	
591-78-6	2-Hexanone	ND	250	240	ug/l	
98-82-8	Isopropylbenzene	ND	50	32	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-46-72C		
Lab Sample ID:	JD97090-24	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	250	40	ug/l	
108-87-2	Methylcyclohexane	ND	250	30	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	240	ug/l	
75-09-2	Methylene chloride	ND	100	50	ug/l	
100-42-5	Styrene	ND	50	24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	33	ug/l	
127-18-4	Tetrachloroethene	ND	50	28	ug/l	
108-88-3	Toluene	ND	50	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	27	ug/l	
79-01-6	Trichloroethene	6830	50	26	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	20	ug/l	
75-01-4	Vinyl chloride	160	50	26	ug/l	
1330-20-7	Xylene (total)	ND	50	30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-40		
Lab Sample ID:	JD97090-25	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2K18894.D	50	10/03/24 13:55	ED	n/a	n/a	V2K522
Run #2	2K18893.D	500	10/03/24 13:29	ED	n/a	n/a	V2K522

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	150	ug/l	
71-43-2	Benzene	ND	25	21	ug/l	
75-27-4	Bromodichloromethane	ND	50	23	ug/l	
75-25-2	Bromoform	ND	50	32	ug/l	
74-83-9	Bromomethane	ND	100	82	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	100	90	ug/l	
56-23-5	Carbon tetrachloride	ND	50	28	ug/l	
108-90-7	Chlorobenzene	ND	50	28	ug/l	
75-00-3	Chloroethane	ND	50	36	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
74-87-3	Chloromethane	ND	50	38	ug/l	
110-82-7	Cyclohexane	ND	250	39	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	26	ug/l	
124-48-1	Dibromochloromethane	ND	50	28	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	24	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	27	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	28	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	28	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	30	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	30	ug/l	
156-59-2	cis-1,2-Dichloroethene	10300 [b]	500	250	ug/l	
156-60-5	trans-1,2-Dichloroethene	201	50	27	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	24	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	22	ug/l	
100-41-4	Ethylbenzene	ND	50	30	ug/l	
76-13-1	Freon 113	ND	250	29	ug/l	
591-78-6	2-Hexanone	ND	250	240	ug/l	
98-82-8	Isopropylbenzene	ND	50	32	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-40		
Lab Sample ID:	JD97090-25	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	250	40	ug/l	
108-87-2	Methylcyclohexane	ND	250	30	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	240	ug/l	
75-09-2	Methylene chloride	ND	100	50	ug/l	
100-42-5	Styrene	ND	50	24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	33	ug/l	
127-18-4	Tetrachloroethene	ND	50	28	ug/l	
108-88-3	Toluene	ND	50	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	27	ug/l	
79-01-6	Trichloroethene	1480	50	26	ug/l	
75-69-4	Trichlorofluoromethane [c]	ND	100	20	ug/l	
75-01-4	Vinyl chloride	2570	50	26	ug/l	
1330-20-7	Xylene (total)	ND	50	30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	107%	80-120%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	80-120%
2037-26-5	Toluene-D8	110%	109%	80-120%
460-00-4	4-Bromofluorobenzene	109%	109%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-100		
Lab Sample ID:	JD97090-26	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U70518.D	1	10/01/24 18:18	BK	n/a	n/a	V1U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	6.0	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-100		
Lab Sample ID:	JD97090-26	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.1	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	2.7	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-092524		
Lab Sample ID:	JD97090-27	**Date Sampled:**	09/25/24
Matrix:	AQ - Equipment Blank	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	< 200	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57011
(2) Prep QC Batch: MP49655

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB-092524		
Lab Sample ID:	JD97090-27	**Date Sampled:**	09/25/24
Matrix:	AQ - Equipment Blank	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	10/03/24 21:11	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-100		
Lab Sample ID:	JD97090-28	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U70519.D	1	10/01/24 18:33	BK	n/a	n/a	V2U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-100		
Lab Sample ID:	JD97090-28	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	112%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	JD97090-29	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1T12747.D	20	10/02/24 13:04	NW	n/a	n/a	V1T330
Run #2	1X210077.D	100	10/02/24 20:39	NW	n/a	n/a	V1X8939

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	61	ug/l	
71-43-2	Benzene	ND	10	8.5	ug/l	
75-27-4	Bromodichloromethane	ND	20	9.0	ug/l	
75-25-2	Bromoform	ND	20	13	ug/l	
74-83-9	Bromomethane [b]	ND	40	33	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	55	ug/l	
75-15-0	Carbon disulfide	ND	40	36	ug/l	
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	11	ug/l	
75-00-3	Chloroethane	ND	20	15	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane	ND	20	15	ug/l	
110-82-7	Cyclohexane	ND	100	16	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	11	ug/l	
124-48-1	Dibromochloromethane	ND	20	11	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	9.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	11	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	11	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	12	ug/l	
75-35-4	1,1-Dichloroethene	22.4	20	12	ug/l	
156-59-2	cis-1,2-Dichloroethene	8740 [c]	100	51	ug/l	
156-60-5	trans-1,2-Dichloroethene	23.9	20	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	8.6	ug/l	
100-41-4	Ethylbenzene	ND	20	12	ug/l	
76-13-1	Freon 113	ND	100	12	ug/l	
591-78-6	2-Hexanone	ND	100	96	ug/l	
98-82-8	Isopropylbenzene	ND	20	13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	JD97090-29	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	100	16	ug/l	
108-87-2	Methylcyclohexane	ND	100	12	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	97	ug/l	
75-09-2	Methylene chloride	ND	40	20	ug/l	
100-42-5	Styrene	ND	20	9.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	13	ug/l	
127-18-4	Tetrachloroethene	ND	20	11	ug/l	
108-88-3	Toluene	ND	20	9.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	11	ug/l	
79-01-6	Trichloroethene	4610 [c]	100	53	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.0	ug/l	
75-01-4	Vinyl chloride	676	20	10	ug/l	
1330-20-7	Xylene (total)	ND	20	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	92%	103%	80-120%
2037-26-5	Toluene-D8	98%	104%	80-120%
460-00-4	4-Bromofluorobenzene	101%	106%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-102		
Lab Sample ID:	JD97090-30	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	3090	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57011
(2) Prep QC Batch: MP49655

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-102		
Lab Sample ID:	JD97090-30	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.033	0.010	mg/l	1	10/03/24 21:11	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD97090-31	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K18890.D	1	10/03/24 12:13	ED	n/a	n/a	V2K522
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD97090-31	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [a]	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	0.84	1.0	0.52	ug/l	J
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	111%		80-120%
460-00-4	4-Bromofluorobenzene	107%		82-114%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-13		
Lab Sample ID:	JD97090-32	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U70520.D	1	10/01/24 18:48	BK	n/a	n/a	V1U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	0.74	1.0	0.50	ug/l	J
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	87.1	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-13		
Lab Sample ID:	JD97090-32	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	6.3	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	7.8	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-40T		
Lab Sample ID:	JD97090-33	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2T12746.D	10	10/02/24 12:50	NW	n/a	n/a	V2T330
Run #2	1X210068.D	100	10/02/24 16:54	NW	n/a	n/a	V1X8939

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	31	ug/l	
71-43-2	Benzene	ND	5.0	4.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	27	ug/l	
75-15-0	Carbon disulfide	ND	20	18	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	8.0	10	5.9	ug/l	J
156-59-2	cis-1,2-Dichloroethene	4300 [b]	100	51	ug/l	
156-60-5	trans-1,2-Dichloroethene	38.2	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
100-41-4	Ethylbenzene	ND	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	
591-78-6	2-Hexanone	ND	50	48	ug/l	
98-82-8	Isopropylbenzene	ND	10	6.5	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-40T		
Lab Sample ID:	JD97090-33	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	ND	50	6.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	49	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	ND	10	4.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	ND	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride	298	10	5.2	ug/l	
1330-20-7	Xylene (total)	ND	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	101%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	102%	80-120%
2037-26-5	Toluene-D8	98%	102%	80-120%
460-00-4	4-Bromofluorobenzene	94%	106%	82-114%

(a) Dilution required due to high concentration of target compound.; #56 out of range
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-23		
Lab Sample ID:	JD97090-34	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U70521.D	1	10/01/24 19:03	BK	n/a	n/a	V2U2560
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.0	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-23		
Lab Sample ID:	JD97090-34	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	0.60	1.0	0.53	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-22B		
Lab Sample ID:	JD97090-35	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T12701.D	1	10/01/24 18:07	NW	n/a	n/a	V1T330
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-22B		
Lab Sample ID:	JD97090-35	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	92%		80-120%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-18		
Lab Sample ID:	JD97090-36	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	3580	200	ug/l	1	10/07/24	10/08/24	KP	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57037
(2) Prep QC Batch: MP49755

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-18A		
Lab Sample ID:	JD97090-37	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T12681.D	1	10/01/24 13:33	NW	n/a	n/a	V1T330
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-18A		
Lab Sample ID:	JD97090-37	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSP-MW-08B		
Lab Sample ID:	JD97090-38	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.039	0.010	mg/l	1	10/03/24 21:12	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	JD97090-39	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	4130	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57011
(2) Prep QC Batch: MP49655

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LBA-MW-35		
Lab Sample ID:	JD97090-39	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.32	0.010	mg/l	1	10/03/24 21:15	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MWA-50-160D		
Lab Sample ID:	JD97090-40	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1T12683.D	5	10/01/24 14:00	NW	n/a	n/a	V1T330
Run #2	1K18869.D	50	10/02/24 18:32	ED	n/a	n/a	V1K521

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	4.1	5.0	3.0	ug/l	J
156-59-2	cis-1,2-Dichloroethene	2440 [b]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	8.6	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MWA-50-160D		
Lab Sample ID:	JD97090-40	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	4.1	5.0	2.6	ug/l	J
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	1250 [b]	50	26	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	106%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	110%	80-120%
2037-26-5	Toluene-D8	96%	107%	80-120%
460-00-4	4-Bromofluorobenzene	94%	106%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-34N		
Lab Sample ID:	JD97090-41	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2T12702.D	1	10/01/24 18:21	NW	n/a	n/a	V2T330
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	1.2	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	24.8	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	12.7	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.2	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-34N		
Lab Sample ID:	JD97090-41	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	48.7	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LBA-MW-34N		
Lab Sample ID:	JD97090-41	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	1540	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57017
(2) Prep QC Batch: MP49671

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-103		
Lab Sample ID:	JD97090-42	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2T12684.D	5	10/01/24 14:14	NW	n/a	n/a	V2T330
Run #2	1J16608.D	50	10/02/24 16:59	BK	n/a	n/a	V1J470

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	3.6	5.0	3.0	ug/l	J
156-59-2	cis-1,2-Dichloroethene	2400 [b]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	7.4	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-103		
Lab Sample ID:	JD97090-42	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	4.5	5.0	2.6	ug/l	J
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	1260 [b]	50	26	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	96%	80-120%
2037-26-5	Toluene-D8	97%	109%	80-120%
460-00-4	4-Bromofluorobenzene	94%	96%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-092624		
Lab Sample ID:	JD97090-43	**Date Sampled:**	09/26/24
Matrix:	AQ - Equipment Blank	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	< 200	200	ug/l	1	10/02/24	10/03/24	MM	EPA 200.7 [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA57017
(2) Prep QC Batch: MP49671

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB-092624		
Lab Sample ID:	JD97090-43	**Date Sampled:**	09/26/24
Matrix:	AQ - Equipment Blank	**Date Received:**	09/27/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	10/03/24 21:16	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3B		
Lab Sample ID:	JD97090-44	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2T12682.D	20	10/01/24 13:47	NW	n/a	n/a	V2T330
Run #2	5A10261.D	200	10/02/24 18:37	NW	n/a	n/a	V5A298

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	61	ug/l	
71-43-2	Benzene	ND	10	8.5	ug/l	
75-27-4	Bromodichloromethane	ND	20	9.0	ug/l	
75-25-2	Bromoform	ND	20	13	ug/l	
74-83-9	Bromomethane	ND	40	33	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	55	ug/l	
75-15-0	Carbon disulfide	ND	40	36	ug/l	
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	11	ug/l	
75-00-3	Chloroethane	ND	20	15	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane	ND	20	15	ug/l	
110-82-7	Cyclohexane	ND	100	16	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	11	ug/l	
124-48-1	Dibromochloromethane	ND	20	11	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	9.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	11	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	11	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	12	ug/l	
75-35-4	1,1-Dichloroethene	15.4	20	12	ug/l	J
156-59-2	cis-1,2-Dichloroethene	8070 [b]	200	100	ug/l	
156-60-5	trans-1,2-Dichloroethene	56.4	20	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	8.6	ug/l	
100-41-4	Ethylbenzene	ND	20	12	ug/l	
76-13-1	Freon 113	ND	100	12	ug/l	
591-78-6	2-Hexanone	ND	100	96	ug/l	
98-82-8	Isopropylbenzene	ND	20	13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3B		
Lab Sample ID:	JD97090-44	**Date Sampled:**	09/25/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	100	16	ug/l	
108-87-2	Methylcyclohexane	ND	100	12	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	97	ug/l	
75-09-2	Methylene chloride	ND	40	20	ug/l	
100-42-5	Styrene	ND	20	9.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	13	ug/l	
127-18-4	Tetrachloroethene	ND	20	11	ug/l	
108-88-3	Toluene	ND	20	9.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	11	ug/l	
79-01-6	Trichloroethene	5640 [b]	200	110	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.0	ug/l	
75-01-4	Vinyl chloride	119	20	10	ug/l	
1330-20-7	Xylene (total)	ND	20	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	88%	102%	80-120%
2037-26-5	Toluene-D8	98%	102%	80-120%
460-00-4	4-Bromofluorobenzene	96%	94%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD97090-45	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2T12686.D	1	10/01/24 14:42	NW	n/a	n/a	V2T330
Run #2	2T12692.D	10	10/01/24 16:04	NW	n/a	n/a	V2T330
Run #3	4A10262.D	100	10/02/24 18:55	NW	n/a	n/a	V4A298

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	4.1	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1890 [a]	100	51	ug/l	
156-60-5	trans-1,2-Dichloroethene	24.8	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD97090-45	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	429 [b]	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	4.3	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	106%	104%	95%	80-120%
17060-07-0	1,2-Dichloroethane-D4	92%	93%	106%	80-120%
2037-26-5	Toluene-D8	96%	97%	99%	80-120%
460-00-4	4-Bromofluorobenzene	95%	97%	96%	82-114%

(a) Result is from Run# 3
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-092624		
Lab Sample ID:	JD97090-46	**Date Sampled:**	09/26/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T12693.D	1	10/01/24 16:18	NW	n/a	n/a	V1T330
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-092624		
Lab Sample ID:	JD97090-46	**Date Sampled:**	09/26/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/27/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN-OF-CUSTODY RECORD JD97090

FEDEX: 737756880 06900 Page 1 of 4

WSP USA Office Address: 13530 Dulles Technology Dr Suite 300 Herndon VA 20171

Project Name: Former EPT Ithaca
Project Location: Ithaca NY
Project Number & Task: US-WSP-31405608.001 02
Sampler(s) Name(s): Elliott Martyniewicz

WSP USA Contact Name: Elliott Martyniewicz
WSP USA Contact E-mail: elliott.martyniewicz@wsp.com
WSP USA Contact Phone: (716)-380-8295
Sampler(s) Signature(s): Elliott Martyniewicz

No. 010027 WSP

Laboratory Name & Location: SGS
Laboratory Project Manager: Tammy McCloskey
Requested Turn-Around-Time: [X] Standard [ ] 24 HR [ ] 48 HR [ ] 72 HR [ ] ___ HR

Requested Analyses & Preservatives: SW846 8260D TCL 42; BARIUM; CYANIDE; RCRA METALS + Hg

	Sample Identification	Matrix	Collection Start* Date	Collection Start* Time	Collection Stop* Date	Collection Stop* Time	Number of Containers	SW846 8260D TCL 42	BARIUM	CYANIDE	RCRA METALS + Hg	Sample Comments
1	EXB-09-MS/D	AQ	9/26/24		9/26/24	1012	9					Please provide
2	EXB-07					1125	3	X				a Level IV report
3	MW-16-100					1225	3	X				
4	MW-32B					1319	3	X				More samples to
5	LBA-MW-[illegible]					1357	2	X	X			follow.
6	MW-31B					1435	1		X			
7	MW-[illegible]-40					1500	3	X				
8	EB-092424					1700	3	X				
9	WSP-MW-048		9/25/24		9/25/24	0950	3		X	X	X	
10	LBA-MW-26					1024	1		X			
11	WSP-MW-06C					1220	1		X			
12	LBA-MW-39					1230	4	X		X		
13	LBA-MW-43N					1346	1			X		
14	MW-1B					1410	3	X				
15	MW-[illegible]					1424	3	X				

Initial Assessment
Lab Verification

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Shipment Method	Tracking Number(s)
Elliott Martyniewicz	9/26/24	1650	FedEx				
Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Number of Packages	Custody Seal Number(s)
FedEx 9/27/24 1015							

2.0°
1.7°
1.9°
1850

*Use stop time/date for composite and/or air samples; use only start time/date for all other samples.

Matrix: AQ = Aqueous, S = Soil, SE = Sediment, A = Air, W = Wipe, B = Bulk, O = Other (detail in comments)

CHAIN-OF-CUSTODY RECORD

JD97090

Page 2 of 4

WSP USA Office Address: 13530 Dulles Technology Dr Suite 300 Herndon VA 20171

No. 010028

Project Name	Former EPT Ithaca
Project Location	Ithaca NY
Project Number & Task	US-WSP-31405608.001/02
Sampler(s) Name(s)	Elliott Martynkiewicz
WSP USA Contact Name	Elliott Martynkiewicz
WSP USA Contact E-mail	elliott.martynkiewicz @wsp.com
WSP USA Contact Phone	(716) 380-8095
Sampler(s) Signature(s)	
Laboratory Name & Location	SGS
Laboratory Project Manager	Tammy McCloskey
Requested Turn-Around-Time	[X] Standard [ ] 24 HR [ ] 48 HR [ ] 72 HR [ ] ___ HR

	Sample Identification	Matrix	Collection Start* Date	Collection Start* Time	Collection Stop* Date	Collection Stop* Time	Number of Containers	SW846 8260D TCL 42	Barium	Cyanide	RCRA Metals + Hg	Sample Comments
16	[illegible]	AQ	[illegible]		[illegible]		3	[illegible]	[illegible]	[illegible]	[illegible]	
17	MW-8-40		—			1549	3	X				
18	MW-208		—			1618	3	[illegible]	[illegible]	[illegible]	[illegible]	
19	LBA-MW-43S		—			1618	2		X	X		
20	EW-14		[illegible]			[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	
21	MW-7B		—			1637	3	X				
22	MW-46-43C		—			1645	3	[illegible]	[illegible]	[illegible]	[illegible]	
23	EXB-10		—			1645	3	X				
24	MW-46-72C		—			1653	3	X	[illegible]	[illegible]	[illegible]	
25	MW-5-40		—			1710	3	X				
26	MW-5-100		[illegible]			1722	3	[illegible]	[illegible]	[illegible]	[illegible]	
27	EB-092524		—			1730	2		X	X		
28	MW-100		[illegible]			1055	3	X	[illegible]	[illegible]	[illegible]	
29	MW-101		—			1234	3	X				
30	MW-102		[illegible]			1130	2		X	X		

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Shipment Method	Tracking Number(s)
	9/26/24	1650					
Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Number of Packages	Custody Seal Number(s)

*Use stop time/date for composite and/or air samples; use only start time/date for all other samples.

Matrix: AQ = Aqueous, S = Soil, SE = Sediment, A = Air, W = Wipe, B = Bulk, O = Other (detail in comments)

JD97090: Chain of Custody
Page 2 of 6

CHAIN-OF-CUSTODY RECORD

WSP USA Office Address: 13530 Dulles Technology Dr Suite 300 Herndon VA 20171

Project Name: Former EPT Ithaca
Project Location: Ithaca NY
Project Number & Task: US-WSP-31405608.001 /02
Sampler(s) Name(s): Elliott Martynkiewicz
WSP USA Contact Name: Elliott Martynkiewicz
WSP USA Contact E-mail: elliott.martynkiewicz@wsp.com
WSP USA Contact Phone: (716) 380-8295
Sampler(s) Signature(s):

No. 010029 WSP

Laboratory Name & Location: SGS
Laboratory Project Manager: Tammy McCloskey
Requested Turn-Around-Time: [x] Standard [ ] 24 HR [ ] 48 HR [ ] 72 HR [ ] ___ HR

Requested Analyses & Preservatives: SW846 8260D TCL 4Q; BARIUM; CYANIDE; RCRA METALS + Hg

	Sample Identification	Matrix	Collection Start* Date	Collection Start* Time	Collection Stop* Date	Collection Stop* Time	Number of Containers	SW846 8260D TCL 4Q	BARIUM	CYANIDE	RCRA METALS + Hg	Sample Comments
	[illegible]	AQ										
31	MW-4B-MS/MSD	AQ	—		9/26/24	0915	9	X				
32	[illegible]		—			[illegible]	3					
33	MW-40T		—			1015	3	X				
34	[illegible]		—			[illegible]	3					
35	MW-22B		—			1040	3	X				
36	[illegible]		—			[illegible]	3					
37	MW-19B		—			1055	1			X		
38	[illegible]		—			[illegible]	9	X				
39	WSP-MW-09B		—			1105	1			X		
40	[illegible]		—			[illegible]	2		X	X		
41	LBA-MW-08		—			1407	1			X		
42	[illegible]		—			[illegible]	2					
43	LBA-MW-34N		—			1610	4	X	X			
44	[illegible]		—			[illegible]	3	X				

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Shipment Method	Tracking Number(s)
Elliott Martynkiewicz	9/26/24	1650					
Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Number of Packages	Custody Seal Number(s)

*Use stop time/date for composite and/or air samples; use only start time/date for all other samples.

Matrix: AQ = Aqueous, S = Soil, SE = Sediment, A = Air, W = Wipe, B = Bulk, O = Other (detail in comments)

5.1 5

CHAIN-OF-CUSTODY RECORD

WSP USA Office Address: 13530 Dulles Technology Dr Suite 300 Herndon VA 20171

No. 010030 — WSP

Project Name	Former EPT Ithaca
Project Location	Ithaca NY
Project Number & Task	US-WSP-31405608.001/02
Sampler(s) Name(s)	Elliott Martynkiewicz
WSP USA Contact Name	Elliott Martynkiewicz
WSP USA Contact E-mail	elliott.martynkiewicz@wsp.com
WSP USA Contact Phone	(716) 380-8295
Sampler(s) Signature(s)	Elliott Martynkiewicz
Laboratory Name & Location	SGS
Laboratory Project Manager	Tammy McCloskey
Requested Turn-Around-Time	[X] Standard [ ] 24 HR [ ] 48 HR [ ] 72 HR [ ] ___ HR

Sample Identification	Matrix	Collection Start* Date	Collection Start* Time	Collection Stop* Date	Collection Stop* Time	Number of Containers	SW846 8260D TCL 4a	BARIUM	CYANIDE	RCRA METALS + Hg	Sample Comments
EB-092624				9/26/24	1600	3					
MW-3B				9/26/24	1506	3	X				
MW-5B				9/26/24	1520	3					
TB-092624							X				Lab Provided Trip Blank

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Shipment Method	Tracking Number(s)
Elliott Martynkiewicz	9/26/24	1650					
Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Number of Packages	Custody Seal Number(s)

*Use stop time/date for composite and/or air samples; use only start time/date for all other samples.

Matrix: AQ = Aqueous, S = Soil, SE = Sediment, A = Air, W = Wipe, B = Bulk, O = Other (detail in comments)

5.1.5

SGS Sample Receipt Summary

Job Number: jd97090 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 9/27/2024 10:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0); Cooler 2: (1.7); Cooler 3: (1.9);

Cooler Temps (Corrected) °C: Cooler 1: (2.4); Cooler 2: (2.1); Cooler 3: (2.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments: 1. Did not receive samples MW-19B and LBA-MW-08. Please comfirm.

Responded to by: Tammy Esposito McCloskey

Response Date: 9/30/2024

Please disregard these 2 samples on this coc. Per client to be submitted at a later date.

JD97090: Chain of Custody
Page 6 of 6

September 2024 Annual Event 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

WSP USA Environment & Infrastructure Inc

EPT, Ithaca, NY

US-WSP-31405608.001/TASK02

SGS Job Number: JD97091

Sampling Dates: 09/26/24 - 09/27/24

Report to:

dave.rykaczewski@wsp.com

ATTN: Distribution5

Total number of pages in report: 41

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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EHS.US.CustomerCare@sgs.com

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Sample Summary

WSP USA Environment & Infrastructure Inc

Job No: JD97091

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD97091-1	09/26/24	10:55	EM	09/28/24	AQ	Water	MW-19B
JD97091-2	09/26/24	14:07	EM	09/28/24	AQ	Water	LBA-MW-08
JD97091-3	09/27/24	08:45	EM	09/28/24	AQ	Water	EW-09R-72C
JD97091-4	09/27/24	08:50	EM	09/28/24	AQ	Water	EW-11-43C
JD97091-5	09/27/24	08:55	EM	09/28/24	AQ	Water	EW-12-45C
JD97091-6	09/27/24	09:40	EM	09/28/24	AQ	Water	EW-01-62C
JD97091-7	09/27/24	09:45	EM	09/28/24	AQ	Water	EW-02-62C
JD97091-8	09/27/24	09:50	EM	09/28/24	AQ	Water	EW-03-60C
JD97091-9	09/27/24	09:55	EM	09/28/24	AQ	Water	EW-04-25B
JD97091-10	09/27/24	10:00	EM	09/28/24	AQ	Water	EW-05-25B
JD97091-11	09/27/24	10:05	EM	09/28/24	AQ	Water	EW-06-60C
JD97091-12	09/27/24	10:10	EM	09/28/24	AQ	Water	EW-07-25B

Sample Summary
(continued)

WSP USA Environment & Infrastructure Inc

Job No: JD97091

EPT, Ithaca, NY
Project No: US-WSP-31405608.001/TASK02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD97091-13	09/27/24	10:15	EM	09/28/24	AQ	Water	EW-08-62C
JD97091-14	09/27/24	10:20	EM	09/28/24	AQ	Water	EW-10-25B
JD97091-15	09/27/24	10:20	EM	09/28/24	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: WSP USA Environment & Infrastructure Inc **Job No:** JD97091

Site: EPT, Ithaca, NY **Report Date** 10/8/2024 10:48:11 A

On 09/28/2024, 14 sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 4.3 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD97091 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1N378

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD97075-1DUP, JD97114-14MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD97091-4: Dilution required due to high concentration of target compound.
- JD97091-8: Dilution required due to high concentration of target compound.

Matrix: AQ **Batch ID:** V1X8938

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD97091-9MS, JD97091-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike (MS) recovery(s) of Trichloroethene are outside control limits. Outside control limits due to matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of Trichloroethene are outside control limits. Outside control limits due to matrix interference.
- The RPD(s) for the MS and MSD recoveries of Chloromethane are outside control limits for sample JD97091-9MSD. Outside control limits due to matrix interference.
- JD97091-11: Dilution required due to high concentration of target compound.
- JD97091-13: Dilution required due to high concentration of target compound.
- JD97091-5: Dilution required due to high concentration of target compound.
- JD97091-7: Dilution required due to high concentration of target compound.
- JD97091-11 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD97091-7 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD97091-13 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD97091-5 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD97091-15 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD97091-9MSD for 4-Bromofluorobenzene: Outside of in house control limits, but within reasonable method recovery limits.
- JD97091-15 for Acetone: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** V2N378

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD97075-2DUP, JD97154-1MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2N378

- The matrix spike (MS) recovery(s) of 1,2-Dichloropropane, Benzene, Chloroform, trans-1,2-Dichloroethene are outside control limits. Outside control limits due to matrix interference.
- JD97091-9: Dilution required due to high concentration of target compound.
- JD97091-3: Dilution required due to high concentration of target compound.
- JD97091-3 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD97091-9 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ **Batch ID:** V2X8938

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97091-10MS, JD97091-10MSD were used as the QC samples indicated.
- JD97091-6: Dilution required due to high concentration of target compound.
- JD97091-12: (pH=3) Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of target compound.
- JD97091-10: Dilution required due to high concentration of target compound.
- JD97091-10 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD97091-6 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD97091-12 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V2X8938-BS for 4-Bromofluorobenzene: Outside of in house control limits, but within reasonable method recovery limits.

Matrix: AQ **Batch ID:** VGB461

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD97195-3MS, JD97195-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

General Chemistry By Method EPA 335.4/LACHAT

Matrix: AQ **Batch ID:** GP57005

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD97201-2DUP, JD97201-2MS were used as the QC samples for the Cyanide analysis.
- The matrix spike (MS) recovery(s) of Cyanide are outside control limits. Spike recovery indicates possible matrix interference.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD97091
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 09/26/24 thru 09/27/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD97091-1	**MW-19B**					
Cyanide		22.7	0.60		mg/l	EPA 335.4/LACHAT
JD97091-2	**LBA-MW-08**					
Cyanide		7.8	0.20		mg/l	EPA 335.4/LACHAT
JD97091-3	**EW-09R-72C**					
cis-1,2-Dichloroethene [a]		15800	100	51	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		97.8 J	100	54	ug/l	SW846 8260D
Trichloroethene		26800	250	130	ug/l	SW846 8260D
Vinyl chloride [a]		519	100	52	ug/l	SW846 8260D
JD97091-4	**EW-11-43C**					
1,1-Dichloroethene [a]		39.4 J	50	30	ug/l	SW846 8260D
cis-1,2-Dichloroethene		12800	250	130	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		70.4	50	27	ug/l	SW846 8260D
Trichloroethene		21900	250	130	ug/l	SW846 8260D
JD97091-5	**EW-12-45C**					
cis-1,2-Dichloroethene [a]		3610	50	25	ug/l	SW846 8260D
Ethylbenzene [a]		138	50	30	ug/l	SW846 8260D
Methylcyclohexane [a]		96.3 J	250	30	ug/l	SW846 8260D
Toluene [a]		85.8	50	25	ug/l	SW846 8260D
Trichloroethene [a]		7870	50	26	ug/l	SW846 8260D
Xylene (total) [a]		752	50	30	ug/l	SW846 8260D
JD97091-6	**EW-01-62C**					
1,1-Dichloroethene [a]		3.2 J	5.0	3.0	ug/l	SW846 8260D
cis-1,2-Dichloroethene		2880	50	25	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		34.6	5.0	2.7	ug/l	SW846 8260D
Trichloroethene [a]		212	5.0	2.6	ug/l	SW846 8260D
Vinyl chloride [a]		493	5.0	2.6	ug/l	SW846 8260D
JD97091-7	**EW-02-62C**					
cis-1,2-Dichloroethene [a]		2720	20	10	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		32.7	20	11	ug/l	SW846 8260D
Trichloroethene [a]		1480	20	11	ug/l	SW846 8260D
Vinyl chloride [a]		107	20	10	ug/l	SW846 8260D

Summary of Hits

Job Number: JD97091
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 09/26/24 thru 09/27/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD97091-8	**EW-03-60C**					
Acetone [a]		17.0 J	50	15	ug/l	SW846 8260D
Chloroform [a]		5.6	5.0	2.5	ug/l	SW846 8260D
1,1-Dichloroethene [a]		5.4	5.0	3.0	ug/l	SW846 8260D
cis-1,2-Dichloroethene		2820	50	25	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		28.2	5.0	2.7	ug/l	SW846 8260D
Trichloroethene		2530	50	26	ug/l	SW846 8260D
Vinyl chloride [a]		24.6	5.0	2.6	ug/l	SW846 8260D
JD97091-9	**EW-04-25B**					
cis-1,2-Dichloroethene		973	25	13	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		7.4	5.0	2.7	ug/l	SW846 8260D
Trichloroethene		2070	25	13	ug/l	SW846 8260D
Vinyl chloride [a]		86.9	5.0	2.6	ug/l	SW846 8260D
JD97091-10	**EW-05-25B**					
cis-1,2-Dichloroethene [a]		3380	25	13	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		19.1 J	25	13	ug/l	SW846 8260D
Trichloroethene [a]		1720	25	13	ug/l	SW846 8260D
Vinyl chloride [a]		60.1	25	13	ug/l	SW846 8260D
JD97091-11	**EW-06-60C**					
cis-1,2-Dichloroethene		2470	50	25	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		26.5	5.0	2.7	ug/l	SW846 8260D
Trichloroethene [a]		553	5.0	2.6	ug/l	SW846 8260D
Vinyl chloride [a]		4.9 J	5.0	2.6	ug/l	SW846 8260D
JD97091-12	**EW-07-25B**					
1,1-Dichloroethene [b]		34.1	5.0	3.0	ug/l	SW846 8260D
cis-1,2-Dichloroethene		18300	200	100	ug/l	SW846 8260D
trans-1,2-Dichloroethene [b]		76.9	5.0	2.7	ug/l	SW846 8260D
Trichloroethene [b]		21.0	5.0	2.6	ug/l	SW846 8260D
Vinyl chloride		1710	200	100	ug/l	SW846 8260D
JD97091-13	**EW-08-62C**					
1,1-Dichloroethene [a]		5.9 J	10	5.9	ug/l	SW846 8260D
cis-1,2-Dichloroethene		5280	100	51	ug/l	SW846 8260D
trans-1,2-Dichloroethene [a]		33.9	10	5.4	ug/l	SW846 8260D

Summary of Hits

Job Number: JD97091
Account: WSP USA Environment & Infrastructure Inc
Project: EPT, Ithaca, NY
Collected: 09/26/24 thru 09/27/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethene [a]		1420	10	5.3	ug/l	SW846 8260D
Vinyl chloride [a]		75.3	10	5.2	ug/l	SW846 8260D
JD97091-14	**EW-10-25B**					
Acetone		4.8 J	10	3.1	ug/l	SW846 8260D
cis-1,2-Dichloroethene		429	10	5.1	ug/l	SW846 8260D
trans-1,2-Dichloroethene		3.5	1.0	0.54	ug/l	SW846 8260D
Trichloroethene		220	10	5.3	ug/l	SW846 8260D
Vinyl chloride		2.9	1.0	0.52	ug/l	SW846 8260D
JD97091-15	**TRIP BLANK**					
No hits reported in this sample.						

(a) Dilution required due to high concentration of target compound.
(b) (pH = 3) Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of target compound.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-19B		
Lab Sample ID:	JD97091-1	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	22.7	0.60	mg/l	60	10/07/24 17:26	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LBA-MW-08		
Lab Sample ID:	JD97091-2	**Date Sampled:**	09/26/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
		Percent Solids:	n/a
Project:	EPT, Ithaca, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	7.8	0.20	mg/l	20	10/07/24 17:23	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EW-09R-72C		
Lab Sample ID:	JD97091-3	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2N15781.D	100	10/02/24 11:20	ED	n/a	n/a	V2N378
Run #2	1X210039.D	250	10/01/24 14:38	NW	n/a	n/a	V1X8938

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	1000	310	ug/l	
71-43-2	Benzene	ND	50	43	ug/l	
75-27-4	Bromodichloromethane	ND	100	45	ug/l	
75-25-2	Bromoform	ND	100	63	ug/l	
74-83-9	Bromomethane	ND	200	160	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	270	ug/l	
75-15-0	Carbon disulfide	ND	200	180	ug/l	
56-23-5	Carbon tetrachloride	ND	100	55	ug/l	
108-90-7	Chlorobenzene	ND	100	56	ug/l	
75-00-3	Chloroethane	ND	100	73	ug/l	
67-66-3	Chloroform	ND	100	50	ug/l	
74-87-3	Chloromethane	ND	100	76	ug/l	
110-82-7	Cyclohexane	ND	500	78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	200	53	ug/l	
124-48-1	Dibromochloromethane	ND	100	56	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	100	53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	100	54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	100	51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	200	56	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	57	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	60	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	59	ug/l	
156-59-2	cis-1,2-Dichloroethene	15800	100	51	ug/l	
156-60-5	trans-1,2-Dichloroethene	97.8	100	54	ug/l	J
78-87-5	1,2-Dichloropropane	ND	100	51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	43	ug/l	
100-41-4	Ethylbenzene	ND	100	60	ug/l	
76-13-1	Freon 113	ND	500	58	ug/l	
591-78-6	2-Hexanone	ND	500	480	ug/l	
98-82-8	Isopropylbenzene	ND	100	65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-09R-72C		
Lab Sample ID:	JD97091-3	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	500	80	ug/l	
108-87-2	Methylcyclohexane	ND	500	60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	490	ug/l	
75-09-2	Methylene chloride	ND	200	100	ug/l	
100-42-5	Styrene	ND	100	49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	65	ug/l	
127-18-4	Tetrachloroethene	ND	100	56	ug/l	
108-88-3	Toluene	ND	100	49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	100	50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	53	ug/l	
79-01-6	Trichloroethene	26800 [c]	250	130	ug/l	
75-69-4	Trichlorofluoromethane	ND	200	40	ug/l	
75-01-4	Vinyl chloride	519	100	52	ug/l	
1330-20-7	Xylene (total)	ND	100	59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	99%	80-120%
17060-07-0	1,2-Dichloroethane-D4	107%	104%	80-120%
2037-26-5	Toluene-D8	101%	103%	80-120%
460-00-4	4-Bromofluorobenzene	101%	109%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-11-43C		
Lab Sample ID:	JD97091-4	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1N15782.D	50	10/02/24 11:34	ED	n/a	n/a	V1N378
Run #2	2X210040.D	250	10/01/24 14:55	NW	n/a	n/a	V2X8938

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	150	ug/l	
71-43-2	Benzene	ND	25	21	ug/l	
75-27-4	Bromodichloromethane	ND	50	23	ug/l	
75-25-2	Bromoform	ND	50	32	ug/l	
74-83-9	Bromomethane	ND	100	82	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	100	90	ug/l	
56-23-5	Carbon tetrachloride	ND	50	28	ug/l	
108-90-7	Chlorobenzene	ND	50	28	ug/l	
75-00-3	Chloroethane	ND	50	36	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
74-87-3	Chloromethane	ND	50	38	ug/l	
110-82-7	Cyclohexane	ND	250	39	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	26	ug/l	
124-48-1	Dibromochloromethane	ND	50	28	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	24	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	27	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	28	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	28	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	30	ug/l	
75-35-4	1,1-Dichloroethene	39.4	50	30	ug/l	J
156-59-2	cis-1,2-Dichloroethene	12800 [b]	250	130	ug/l	
156-60-5	trans-1,2-Dichloroethene	70.4	50	27	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	24	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	22	ug/l	
100-41-4	Ethylbenzene	ND	50	30	ug/l	
76-13-1	Freon 113	ND	250	29	ug/l	
591-78-6	2-Hexanone	ND	250	240	ug/l	
98-82-8	Isopropylbenzene	ND	50	32	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-11-43C		
Lab Sample ID:	JD97091-4	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	250	40	ug/l	
108-87-2	Methylcyclohexane	ND	250	30	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	240	ug/l	
75-09-2	Methylene chloride	ND	100	50	ug/l	
100-42-5	Styrene	ND	50	24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	33	ug/l	
127-18-4	Tetrachloroethene	ND	50	28	ug/l	
108-88-3	Toluene	ND	50	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	27	ug/l	
79-01-6	Trichloroethene	21900 [b]	250	130	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	20	ug/l	
75-01-4	Vinyl chloride	ND	50	26	ug/l	
1330-20-7	Xylene (total)	ND	50	30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	99%	80-120%
17060-07-0	1,2-Dichloroethane-D4	110%	103%	80-120%
2037-26-5	Toluene-D8	101%	106%	80-120%
460-00-4	4-Bromofluorobenzene	99%	112%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-12-45C		
Lab Sample ID:	JD97091-5	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1X210041.D	50	10/01/24 15:11	NW	n/a	n/a	V1X8938
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	500	150	ug/l	
71-43-2	Benzene	ND	25	21	ug/l	
75-27-4	Bromodichloromethane	ND	50	23	ug/l	
75-25-2	Bromoform	ND	50	32	ug/l	
74-83-9	Bromomethane	ND	100	82	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	100	90	ug/l	
56-23-5	Carbon tetrachloride	ND	50	28	ug/l	
108-90-7	Chlorobenzene	ND	50	28	ug/l	
75-00-3	Chloroethane	ND	50	36	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
74-87-3	Chloromethane	ND	50	38	ug/l	
110-82-7	Cyclohexane	ND	250	39	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	26	ug/l	
124-48-1	Dibromochloromethane	ND	50	28	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	24	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	27	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	28	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	28	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	30	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	30	ug/l	
156-59-2	cis-1,2-Dichloroethene	3610	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	27	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	24	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	22	ug/l	
100-41-4	Ethylbenzene	138	50	30	ug/l	
76-13-1	Freon 113	ND	250	29	ug/l	
591-78-6	2-Hexanone	ND	250	240	ug/l	
98-82-8	Isopropylbenzene	ND	50	32	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-12-45C		
Lab Sample ID:	JD97091-5	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	250	40	ug/l	
108-87-2	Methylcyclohexane	96.3	250	30	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	240	ug/l	
75-09-2	Methylene chloride	ND	100	50	ug/l	
100-42-5	Styrene	ND	50	24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	33	ug/l	
127-18-4	Tetrachloroethene	ND	50	28	ug/l	
108-88-3	Toluene	85.8	50	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	27	ug/l	
79-01-6	Trichloroethene	7870	50	26	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	20	ug/l	
75-01-4	Vinyl chloride	ND	50	26	ug/l	
1330-20-7	Xylene (total)	752	50	30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		80-120%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	109%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-01-62C		
Lab Sample ID:	JD97091-6	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2X210042.D	5	10/01/24 15:28	NW	n/a	n/a	V2X8938
Run #2	2N15785.D	50	10/02/24 12:15	ED	n/a	n/a	V2N378

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane [b]	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	3.2	5.0	3.0	ug/l	J
156-59-2	cis-1,2-Dichloroethene	2880 [c]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	34.6	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-01-62C		
Lab Sample ID:	JD97091-6	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	212	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	493	5.0	2.6	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	109%	80-120%
2037-26-5	Toluene-D8	105%	102%	80-120%
460-00-4	4-Bromofluorobenzene	109%	98%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-02-62C		
Lab Sample ID:	JD97091-7	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1X210043.D	20	10/01/24 15:45	NW	n/a	n/a	V1X8938
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	200	61	ug/l	
71-43-2	Benzene	ND	10	8.5	ug/l	
75-27-4	Bromodichloromethane	ND	20	9.0	ug/l	
75-25-2	Bromoform	ND	20	13	ug/l	
74-83-9	Bromomethane	ND	40	33	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	200	55	ug/l	
75-15-0	Carbon disulfide	ND	40	36	ug/l	
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	11	ug/l	
75-00-3	Chloroethane	ND	20	15	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane	ND	20	15	ug/l	
110-82-7	Cyclohexane	ND	100	16	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	11	ug/l	
124-48-1	Dibromochloromethane	ND	20	11	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	9.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	11	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	11	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	12	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	12	ug/l	
156-59-2	cis-1,2-Dichloroethene	2720	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	32.7	20	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	8.6	ug/l	
100-41-4	Ethylbenzene	ND	20	12	ug/l	
76-13-1	Freon 113	ND	100	12	ug/l	
591-78-6	2-Hexanone	ND	100	96	ug/l	
98-82-8	Isopropylbenzene	ND	20	13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-02-62C		
Lab Sample ID:	JD97091-7	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	100	16	ug/l	
108-87-2	Methylcyclohexane	ND	100	12	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	97	ug/l	
75-09-2	Methylene chloride	ND	40	20	ug/l	
100-42-5	Styrene	ND	20	9.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	13	ug/l	
127-18-4	Tetrachloroethene	ND	20	11	ug/l	
108-88-3	Toluene	ND	20	9.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	11	ug/l	
79-01-6	Trichloroethene	1480	20	11	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.0	ug/l	
75-01-4	Vinyl chloride	107	20	10	ug/l	
1330-20-7	Xylene (total)	ND	20	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	110%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-03-60C		
Lab Sample ID:	JD97091-8	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1N15784.D	5	10/02/24 12:02	ED	n/a	n/a	V1N378
Run #2	2N15807.D	50	10/02/24 17:19	ED	n/a	n/a	V2N378

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.0	50	15	ug/l	J
71-43-2	Benzene	ND	2.5	2.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	5.6	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	5.4	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	2820 [b]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	28.2	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-03-60C		
Lab Sample ID:	JD97091-8	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	2530 [b]	50	26	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	24.6	5.0	2.6	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	109%	108%	80-120%
2037-26-5	Toluene-D8	101%	103%	80-120%
460-00-4	4-Bromofluorobenzene	100%	98%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-04-25B		
Lab Sample ID:	JD97091-9	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2N15821.D	5	10/02/24 20:32	ED	n/a	n/a	V2N378
Run #2	1X210045.D	25	10/01/24 16:18	NW	n/a	n/a	V1X8938

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	973 [c]	25	13	ug/l	
156-60-5	trans-1,2-Dichloroethene	7.4	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-04-25B		
Lab Sample ID:	JD97091-9	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	2070 [c]	25	13	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	86.9	5.0	2.6	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	109%	104%	80-120%
2037-26-5	Toluene-D8	101%	105%	80-120%
460-00-4	4-Bromofluorobenzene	99%	108%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-05-25B		
Lab Sample ID:	JD97091-10	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2X210046.D	25	10/01/24 16:35	NW	n/a	n/a	V2X8938
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	76	ug/l	
71-43-2	Benzene	ND	13	11	ug/l	
75-27-4	Bromodichloromethane	ND	25	11	ug/l	
75-25-2	Bromoform	ND	25	16	ug/l	
74-83-9	Bromomethane [b]	ND	50	41	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	68	ug/l	
75-15-0	Carbon disulfide	ND	50	45	ug/l	
56-23-5	Carbon tetrachloride	ND	25	14	ug/l	
108-90-7	Chlorobenzene	ND	25	14	ug/l	
75-00-3	Chloroethane	ND	25	18	ug/l	
67-66-3	Chloroform	ND	25	13	ug/l	
74-87-3	Chloromethane	ND	25	19	ug/l	
110-82-7	Cyclohexane	ND	130	20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	25	14	ug/l	
106-93-4	1,2-Dibromoethane	ND	25	12	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	25	13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	25	14	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	25	13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	14	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	15	ug/l	
75-35-4	1,1-Dichloroethene	ND	25	15	ug/l	
156-59-2	cis-1,2-Dichloroethene	3380	25	13	ug/l	
156-60-5	trans-1,2-Dichloroethene	19.1	25	13	ug/l	J
78-87-5	1,2-Dichloropropane	ND	25	13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	11	ug/l	
100-41-4	Ethylbenzene	ND	25	15	ug/l	
76-13-1	Freon 113	ND	130	15	ug/l	
591-78-6	2-Hexanone	ND	130	120	ug/l	
98-82-8	Isopropylbenzene	ND	25	16	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-05-25B		
Lab Sample ID:	JD97091-10	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	130	20	ug/l	
108-87-2	Methylcyclohexane	ND	130	15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	13	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	130	120	ug/l	
75-09-2	Methylene chloride	ND	50	25	ug/l	
100-42-5	Styrene	ND	25	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	16	ug/l	
127-18-4	Tetrachloroethene	ND	25	14	ug/l	
108-88-3	Toluene	ND	25	12	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	25	13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	13	ug/l	
79-01-6	Trichloroethene	1720	25	13	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	10	ug/l	
75-01-4	Vinyl chloride	60.1	25	13	ug/l	
1330-20-7	Xylene (total)	ND	25	15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	106%		80-120%
460-00-4	4-Bromofluorobenzene	111%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-06-60C		
Lab Sample ID:	JD97091-11	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1X210047.D	5	10/01/24 16:52	NW	n/a	n/a	V1X8938
Run #2	1N15786.D	50	10/02/24 12:29	ED	n/a	n/a	V1N378

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	2470 [c]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	26.5	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-06-60C		
Lab Sample ID:	JD97091-11	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	553	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	4.9	5.0	2.6	ug/l	J
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	102%	80-120%
17060-07-0	1,2-Dichloroethane-D4	105%	107%	80-120%
2037-26-5	Toluene-D8	104%	103%	80-120%
460-00-4	4-Bromofluorobenzene	108%	100%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-07-25B		
Lab Sample ID:	JD97091-12	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2X210048.D	5	10/01/24 17:08	NW	n/a	n/a	V2X8938
Run #2	1N15806.D	200	10/02/24 17:05	ED	n/a	n/a	V1N378

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane [b]	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	34.1	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	18300 [c]	200	100	ug/l	
156-60-5	trans-1,2-Dichloroethene	76.9	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-07-25B		
Lab Sample ID:	JD97091-12	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	21.0	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	1710 [c]	200	100	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	101%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	109%	80-120%
2037-26-5	Toluene-D8	104%	103%	80-120%
460-00-4	4-Bromofluorobenzene	112%	100%	82-114%

(a) (pH = 3) Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-08-62C		
Lab Sample ID:	JD97091-13	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1X210049.D	10	10/01/24 17:25	NW	n/a	n/a	V1X8938
Run #2	2N15789.D	100	10/02/24 13:11	ED	n/a	n/a	V2N378

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	100	31	ug/l	
71-43-2	Benzene	ND	5.0	4.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	100	27	ug/l	
75-15-0	Carbon disulfide	ND	20	18	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	5.9	10	5.9	ug/l	J
156-59-2	cis-1,2-Dichloroethene	5280 [c]	100	51	ug/l	
156-60-5	trans-1,2-Dichloroethene	33.9	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
100-41-4	Ethylbenzene	ND	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	
591-78-6	2-Hexanone	ND	50	48	ug/l	
98-82-8	Isopropylbenzene	ND	10	6.5	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-08-62C		
Lab Sample ID:	JD97091-13	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	ND	50	6.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	49	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	ND	10	4.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	1420	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride	75.3	10	5.2	ug/l	
1330-20-7	Xylene (total)	ND	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	106%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	109%	80-120%
2037-26-5	Toluene-D8	103%	102%	80-120%
460-00-4	4-Bromofluorobenzene	109%	101%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: EW-10-25B
Lab Sample ID: JD97091-14
Matrix: AQ - Water
Method: SW846 8260D
Project: EPT, Ithaca, NY

Date Sampled: 09/27/24
Date Received: 09/28/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1N15818.D	1	10/02/24 19:50	ED	n/a	n/a	V1N378
Run #2	GB16709.D	10	10/03/24 12:36	GL	n/a	n/a	VGB461

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.8	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	429 [a]	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	3.5	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-10-25B		
Lab Sample ID:	JD97091-14	**Date Sampled:**	09/27/24
Matrix:	AQ - Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	220 [a]	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	2.9	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	110%	107%	80-120%
2037-26-5	Toluene-D8	102%	105%	80-120%
460-00-4	4-Bromofluorobenzene	100%	100%	82-114%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JD97091-15	**Date Sampled:**	09/27/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1X210057.D	1	10/01/24 19:39	NW	n/a	n/a	V1X8938
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JD97091-15	**Date Sampled:**	09/27/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/28/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	EPT, Ithaca, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	110%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN-OF-CUSTODY RECORD

JD

SY-091024-159 Page 1 of 1

WSP USA Office Address: 13530 Dulles Technology Dr Suite 300 Herndon VA 20171

No. 010031 WSP

Project Name	WSP USA Contact Name	Laboratory Name & Location
Former EPT Ithaca	Elliott Martynkiewicz	SGS
Project Location	**WSP USA Contact E-mail**	**Laboratory Project Manager**
Ithaca NY	elliott.martynkiewicz @wsp.com	Tammy McCloskey
Project Number & Task	**WSP USA Contact Phone**	**Requested Turn-Around-Time**
US-WSP-31405608.001 102	(716) 380-8295	☒ Standard ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ ___ HR
Sampler(s) Name(s)	**Sampler(s) Signature(s)**	
Elliott Martynkiewicz	Elliott J Mart	

Requested Analyses & Preservatives: SW846 8260D TCL 43; Cyanide; Number of Containers

	Sample Identification	Matrix	Collection Start* Date	Collection Start* Time	Collection Stop* Date	Collection Stop* Time	Number of Containers	SW846 8260D TCL 43	Cyanide	Sample Comments
1	MW-FB	AQ	[illegible]		[illegible]	[illegible]	1		X	Please provide
2	LBA-MW-08				9/26/24	1407	1		X	level IV report
3	EW-08B-72C				9/27/24	0845	3	X		
4	EW-1443C					0850	3	X		No additional samples
5	EW-12-48C					0855	3	X		to follow
6	EW-01-62C					0940	3	X		
7	EW-09-69C					0945	3	X		
8	EW-03-60C					0950	3	X		
9	EW-04-25B					0955	3	X		
10	EW-05-25B					1000	3	X		
11	EW-06-60C					1005	3	X		
12	EW-07-25B					1010	3	X		Initial Assessment NB 28
13	EW-08-62C					1015	3	X		Label Verification
14	EW-10-25B					1020	3	X		
15	Trip Blank						3	X		Lab Provided

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Shipment Method	Tracking Number(s)
Elliott Mart	9/27/24	1100	FEDEX				7788 7047 7317
Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Number of Packages	Custody Seal Number(s)
FEDEX 9/28/24 11:20							3.9C JKSO

*Use stop time/date for composite and/or air samples; use only start time/date for all other samples.

Matrix: AQ = Aqueous, S = Soil, SE = Sediment, A = Air, W = Wipe, B = Bulk, O = Other (detail in comments)

SGS Sample Receipt Summary

Job Number: JD97091 **Client:** WSP **Project:** EPT, ITHACA, NY

Date / Time Received: 9/28/2024 11:20:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.9);

Cooler Temps (Corrected) °C: Cooler 1: (4.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

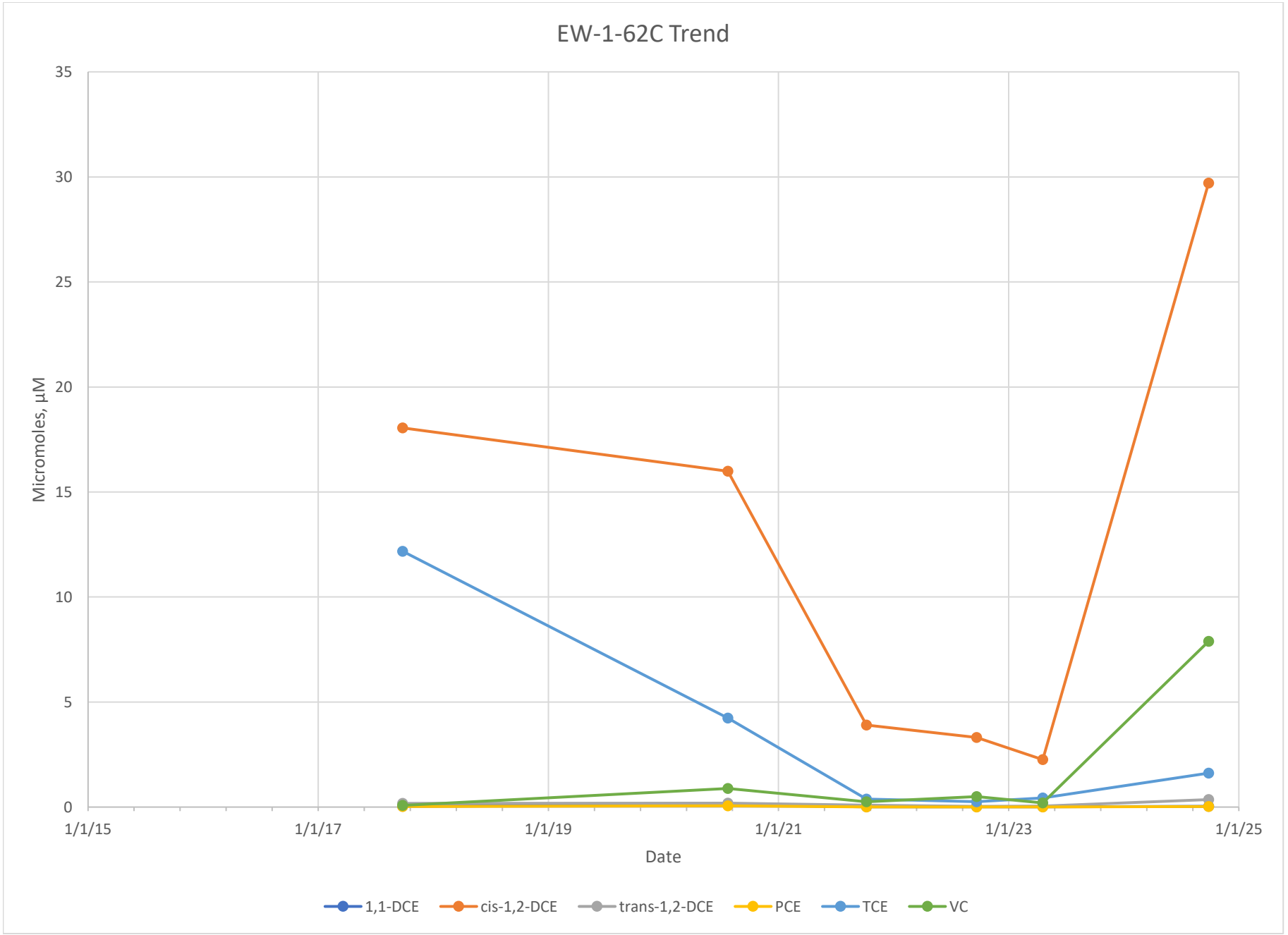
Comments

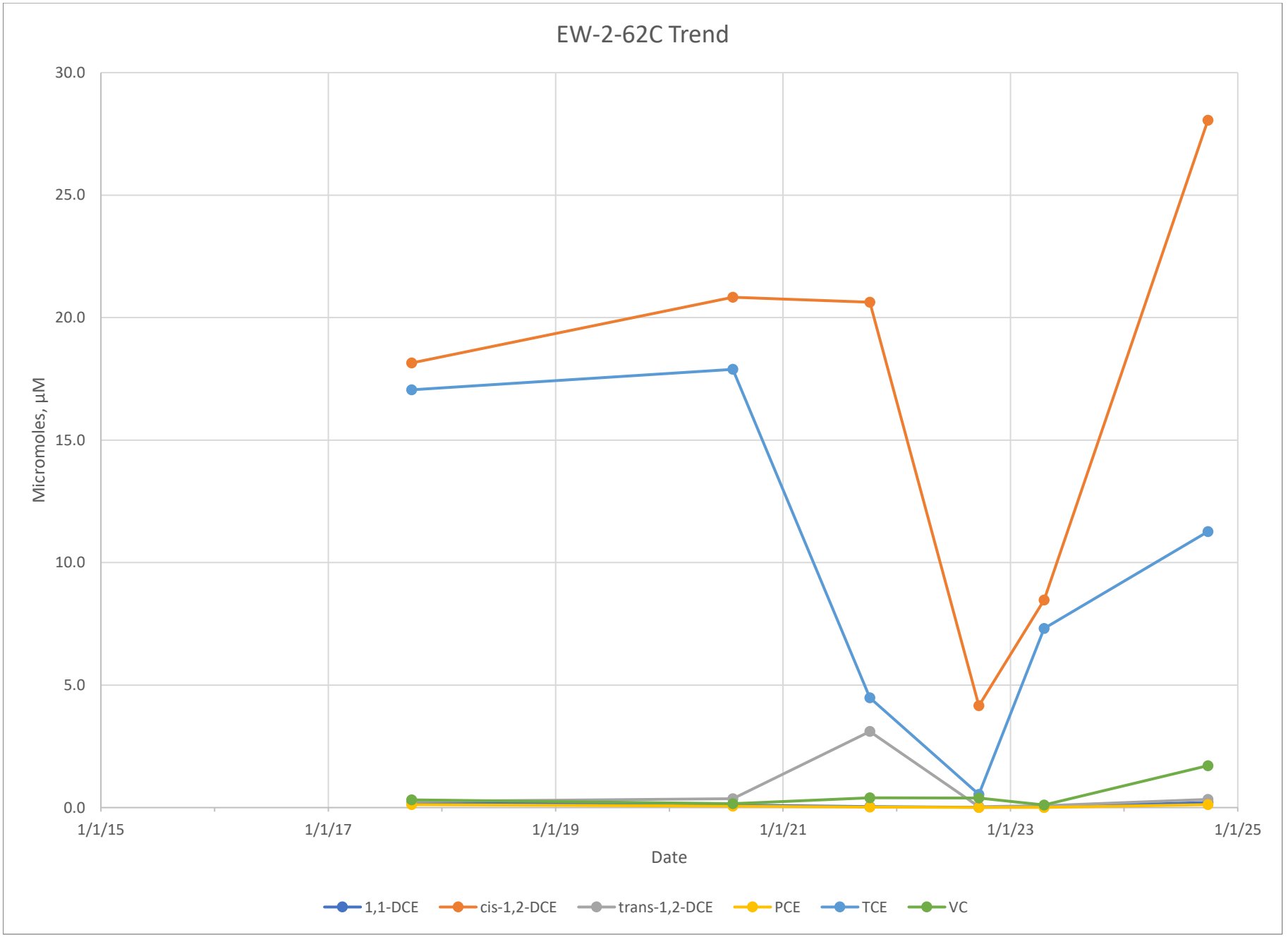
SM089-03
Rev. Date 12/7/17

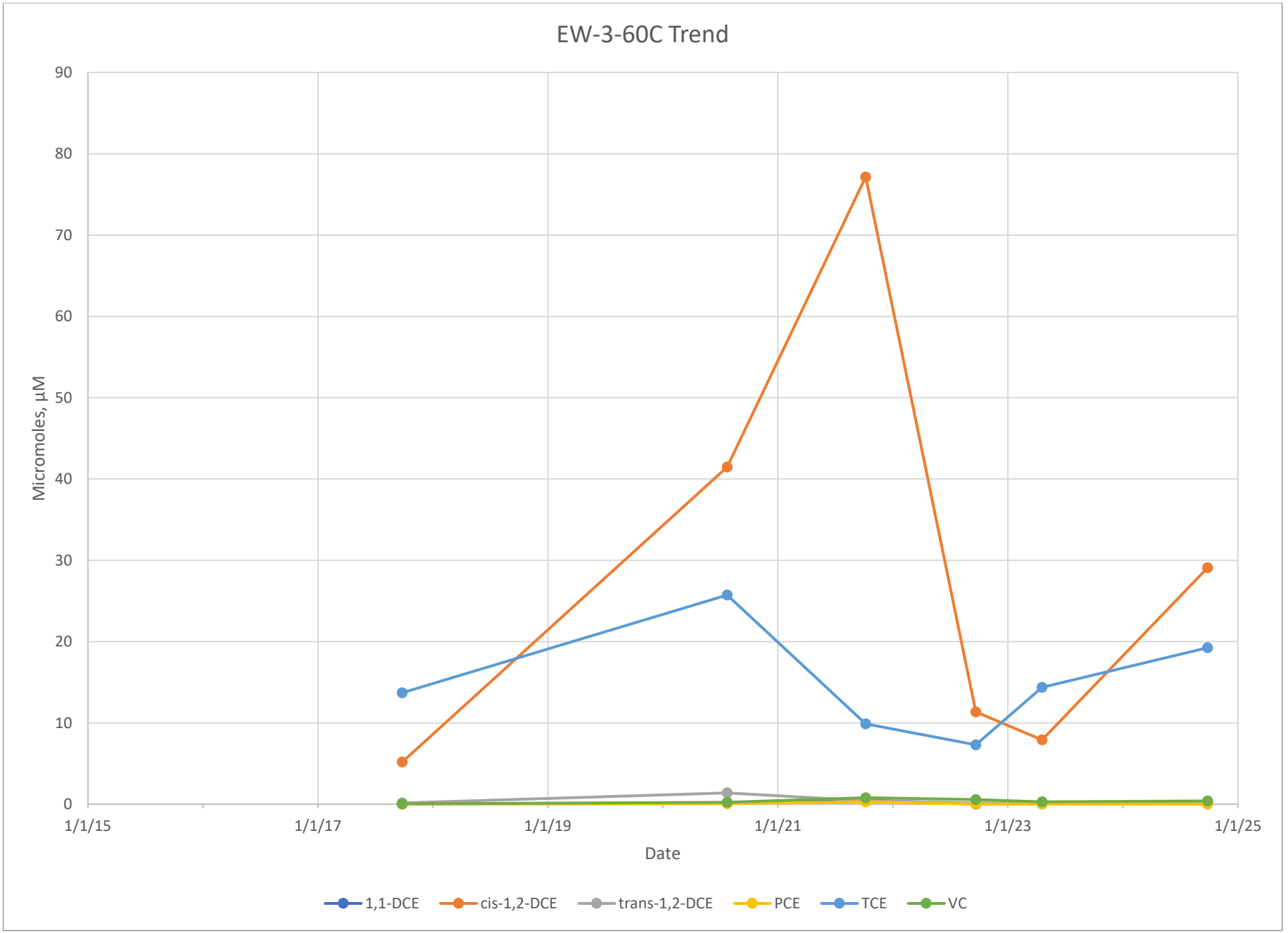
JD97091: Chain of Custody
Page 2 of 2

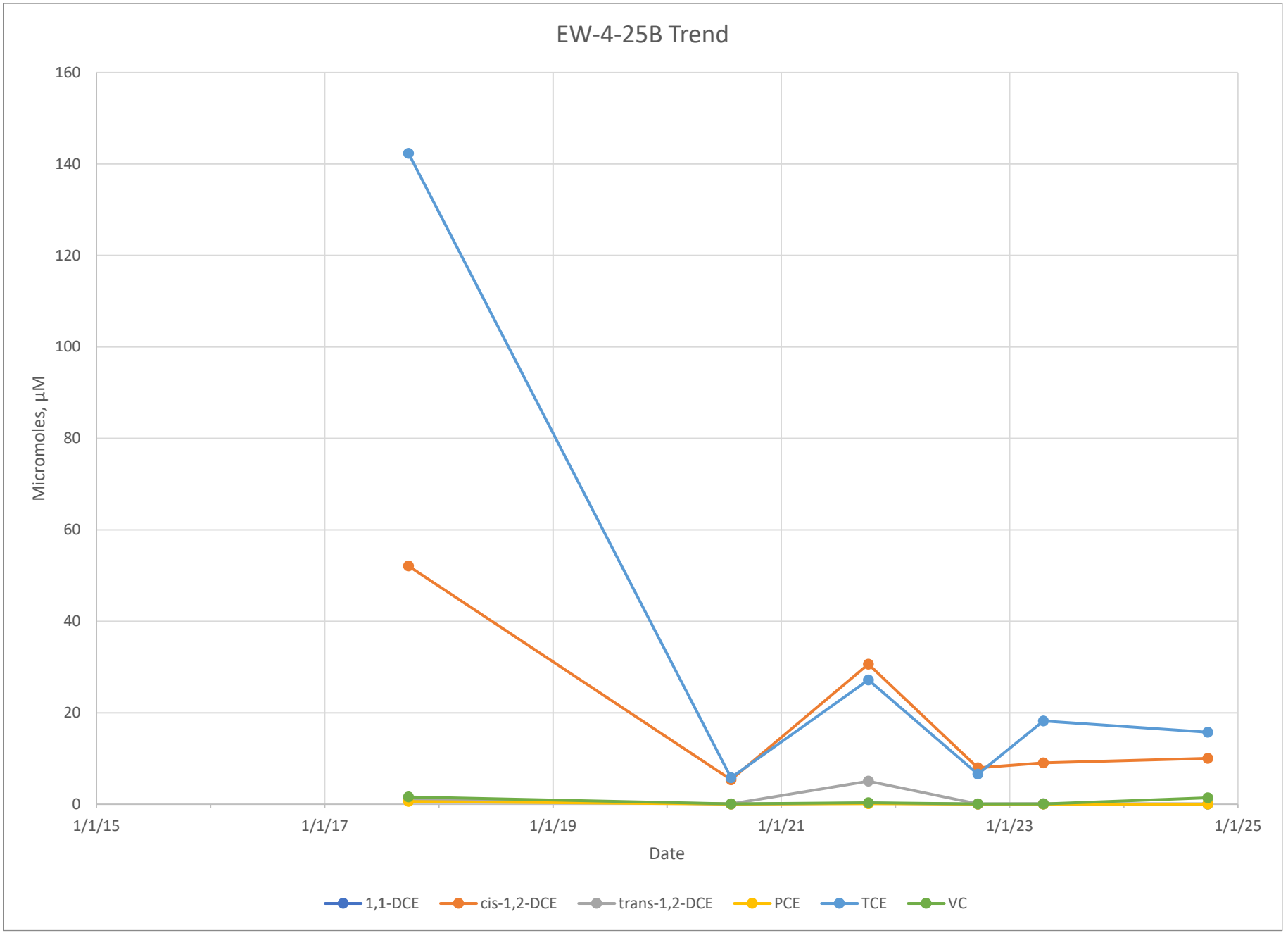
APPENDIX

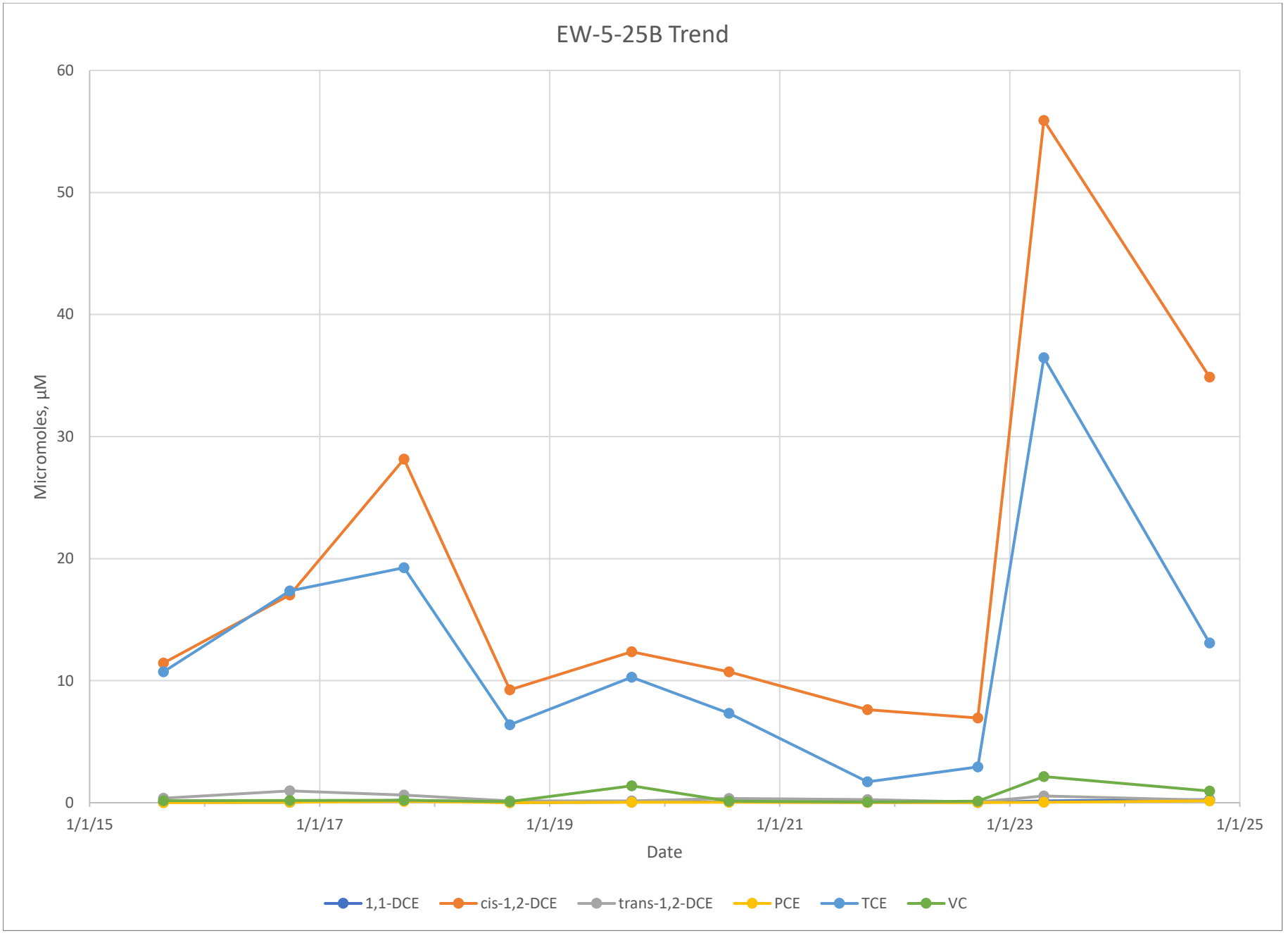
I TIME TREND CHARTS

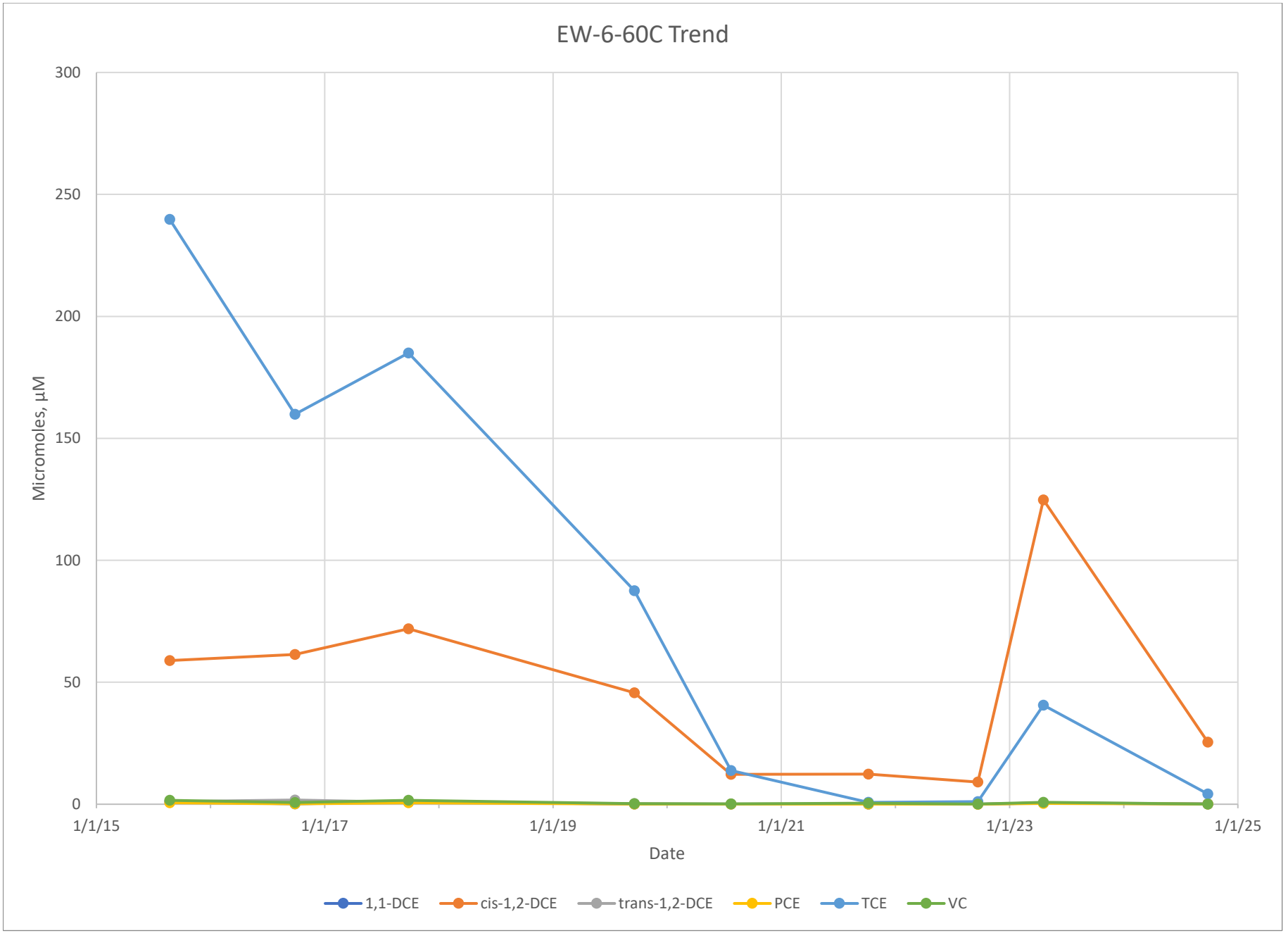

EW-1-62C Trend
35
30
25
20
15
10
5
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

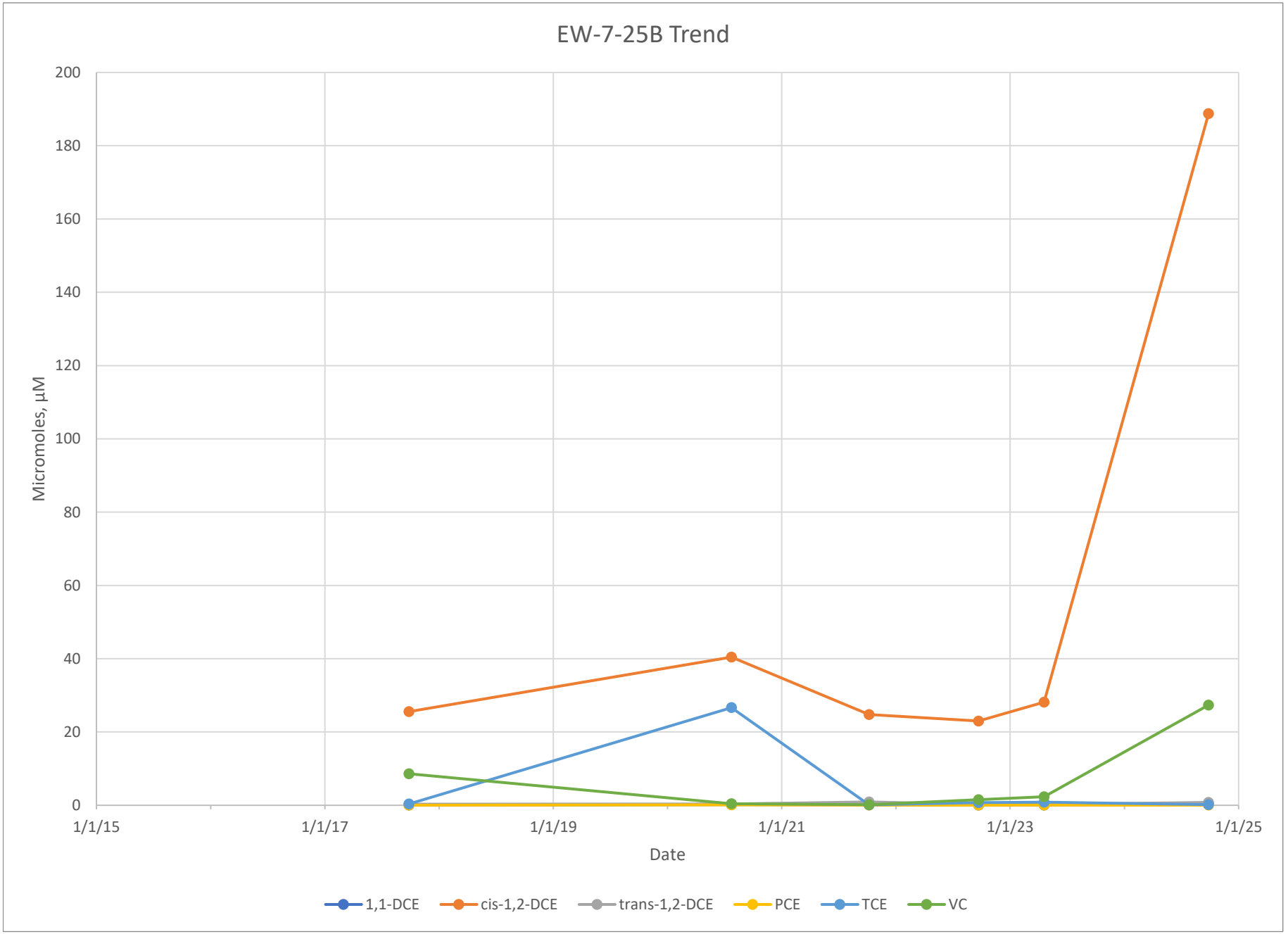

EW-2-62C Trend
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

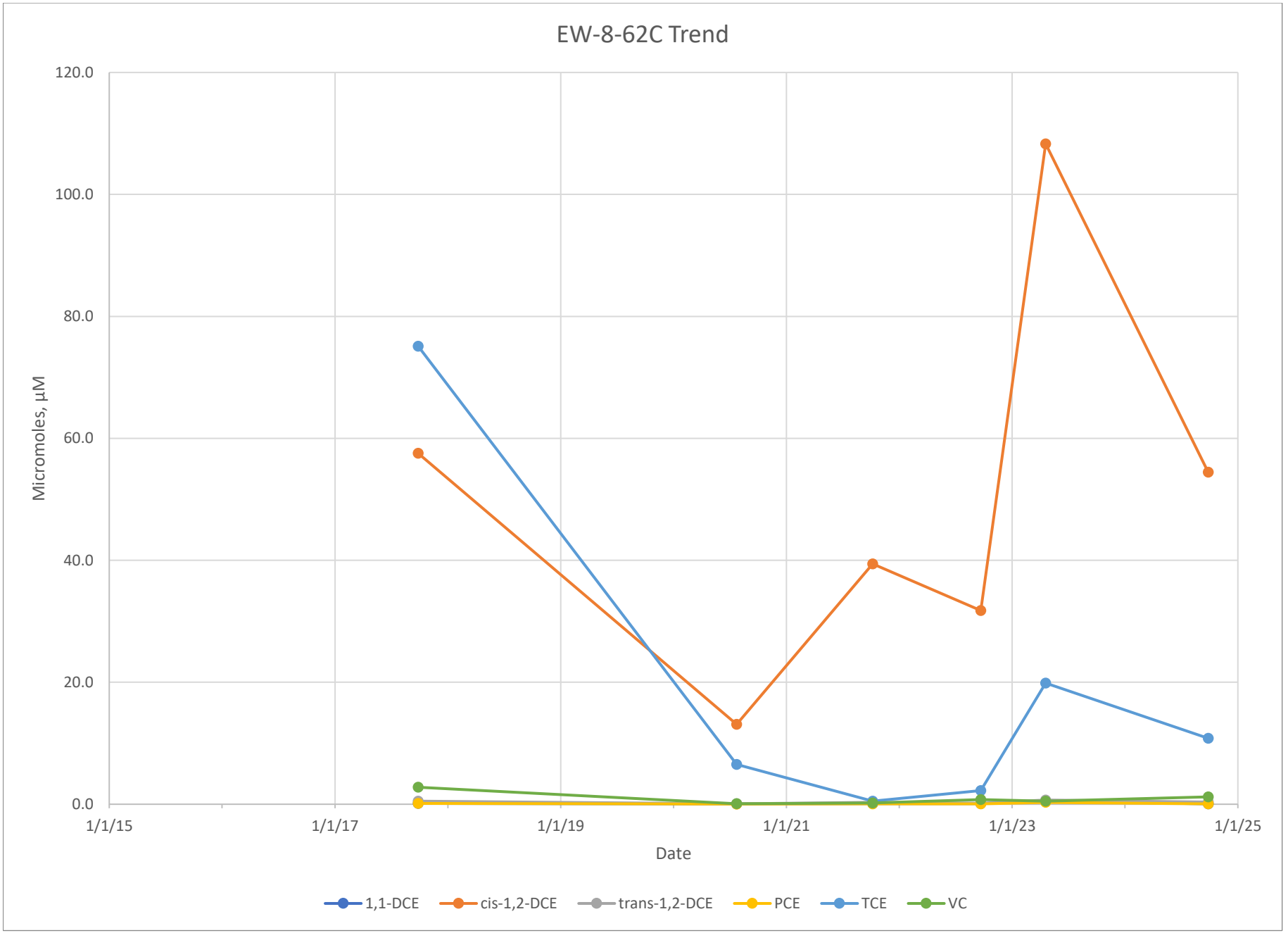

EW-3-60C Trend
Micromoles, µM
90
80
70
60
50
40
30
20
10
0
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

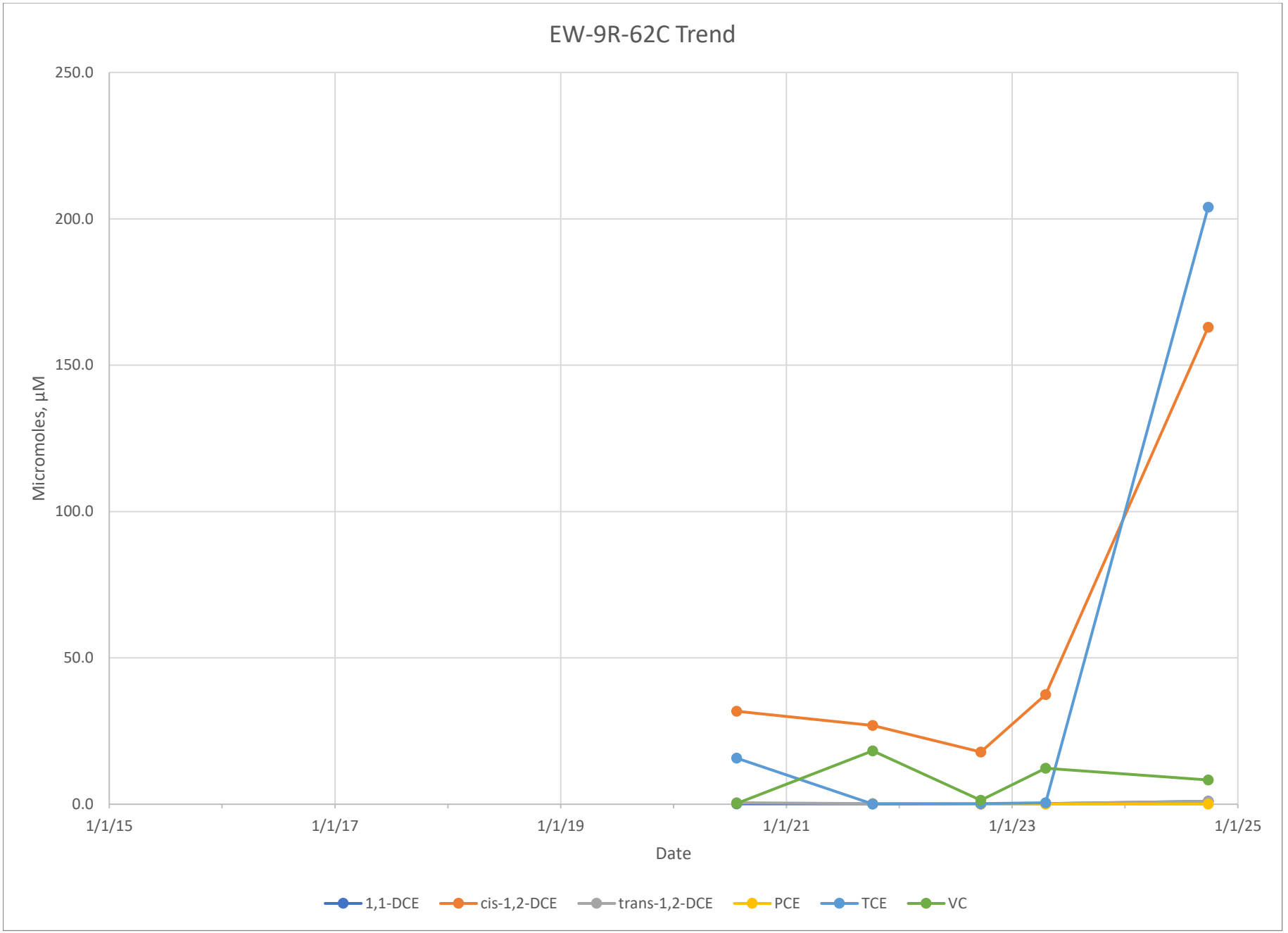

EW-4-25B Trend
160
140
120
100
80
60
40
20
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

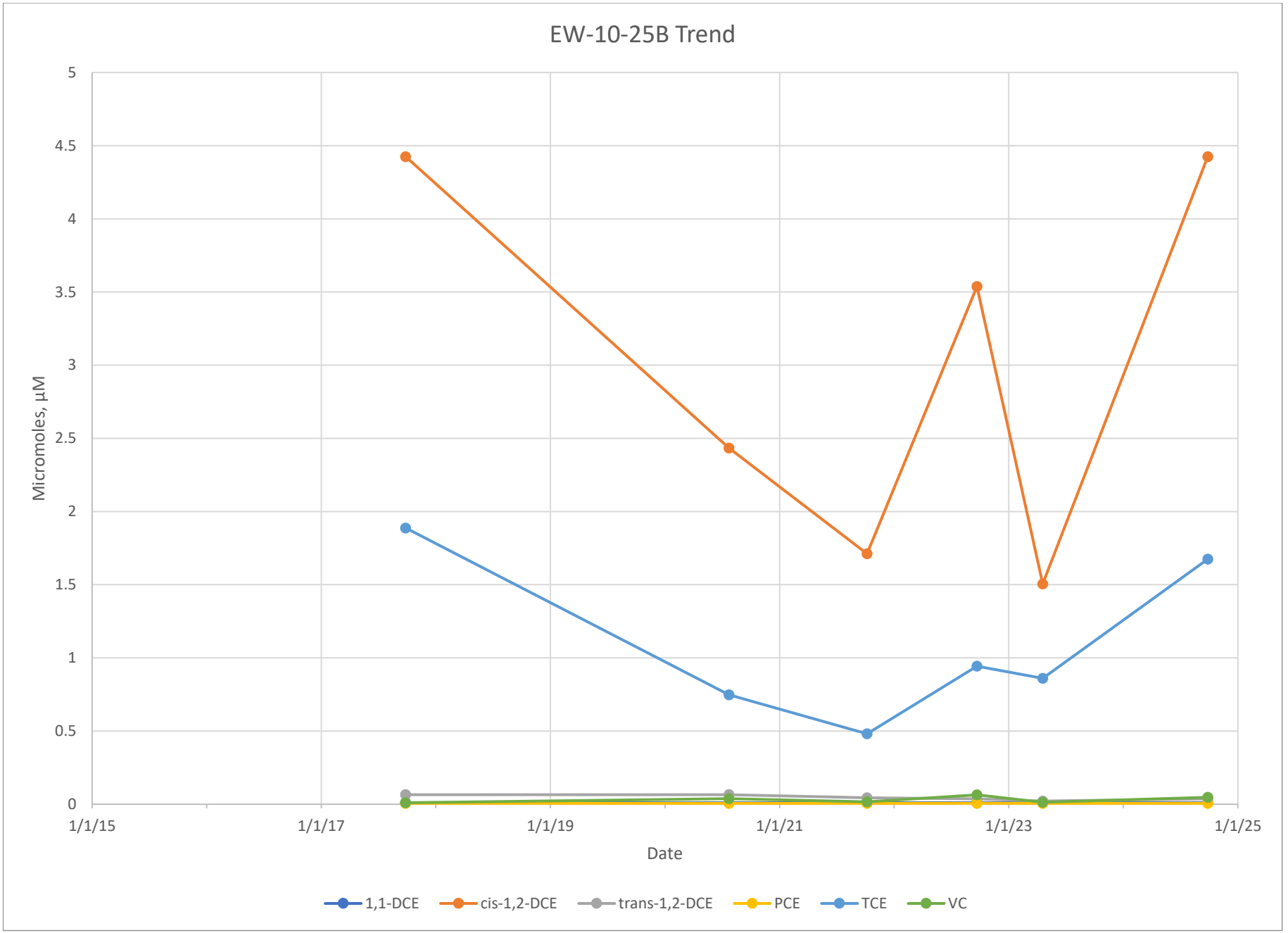

EW-5-25B Trend
60
50
40
30
20
10
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

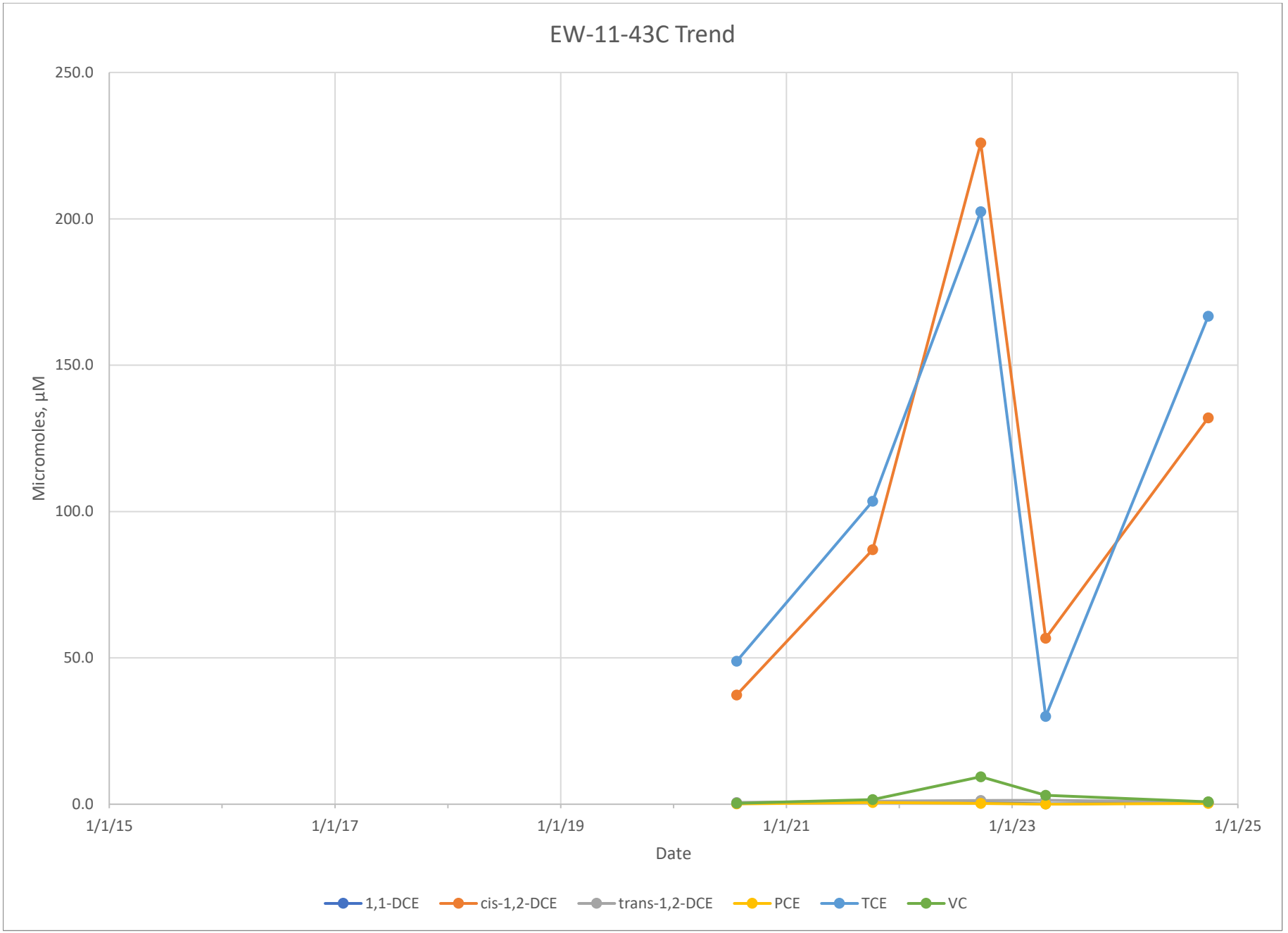

EW-6-60C Trend
300
250
200
150
100
50
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

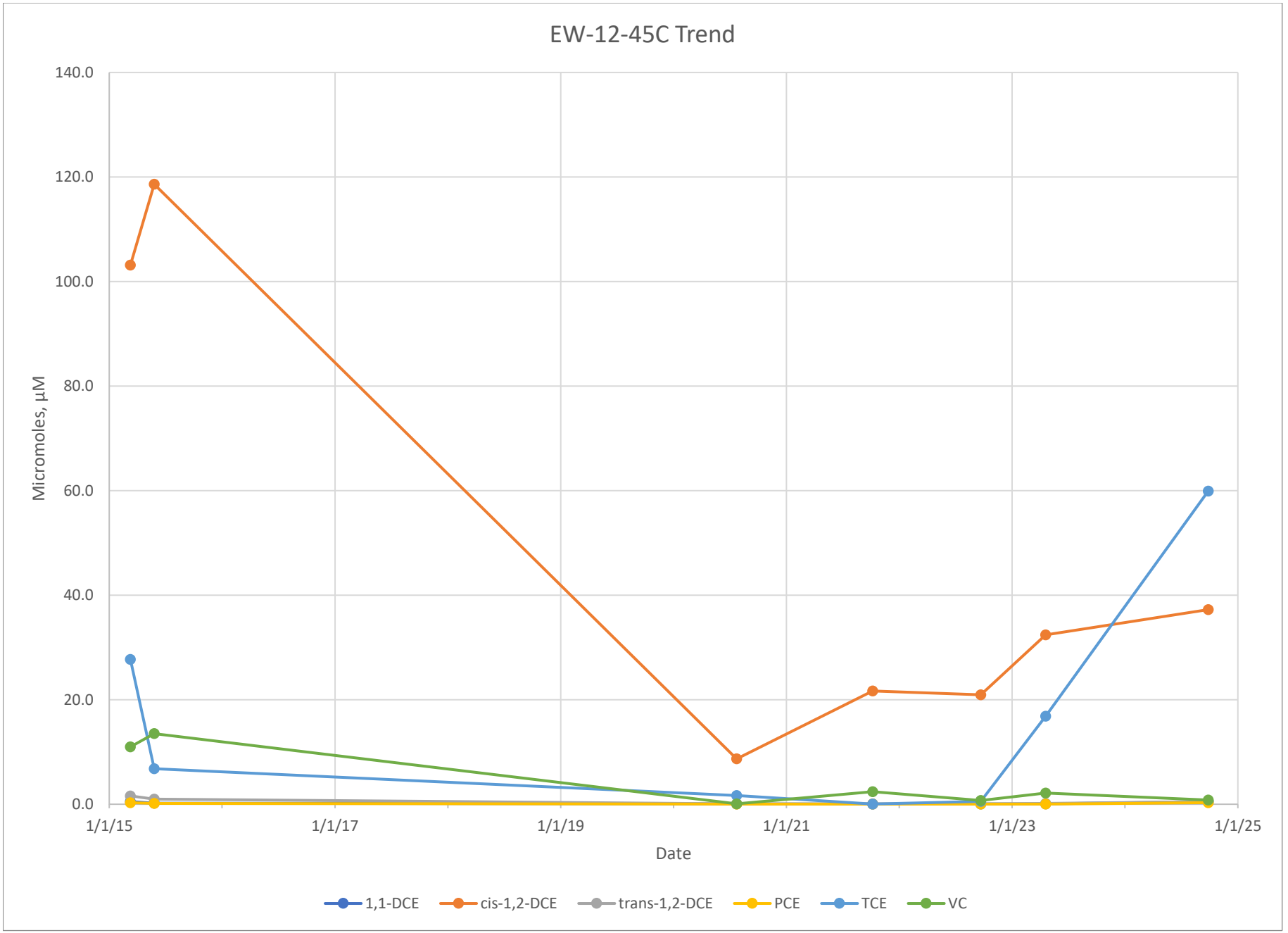

EW-7-25B Trend
200
180
160
140
120
100
80
60
40
20
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

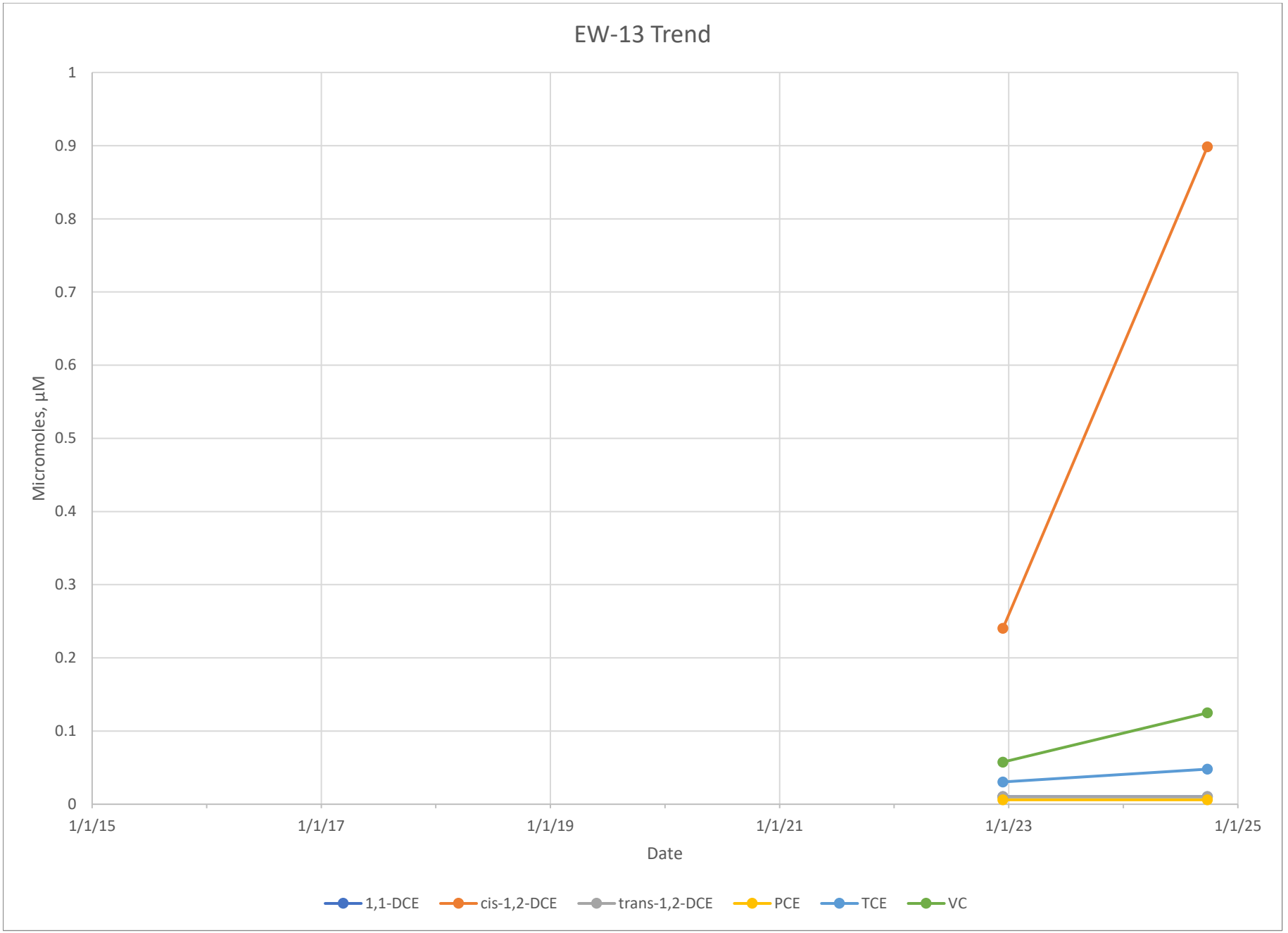

EW-8-62C Trend
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

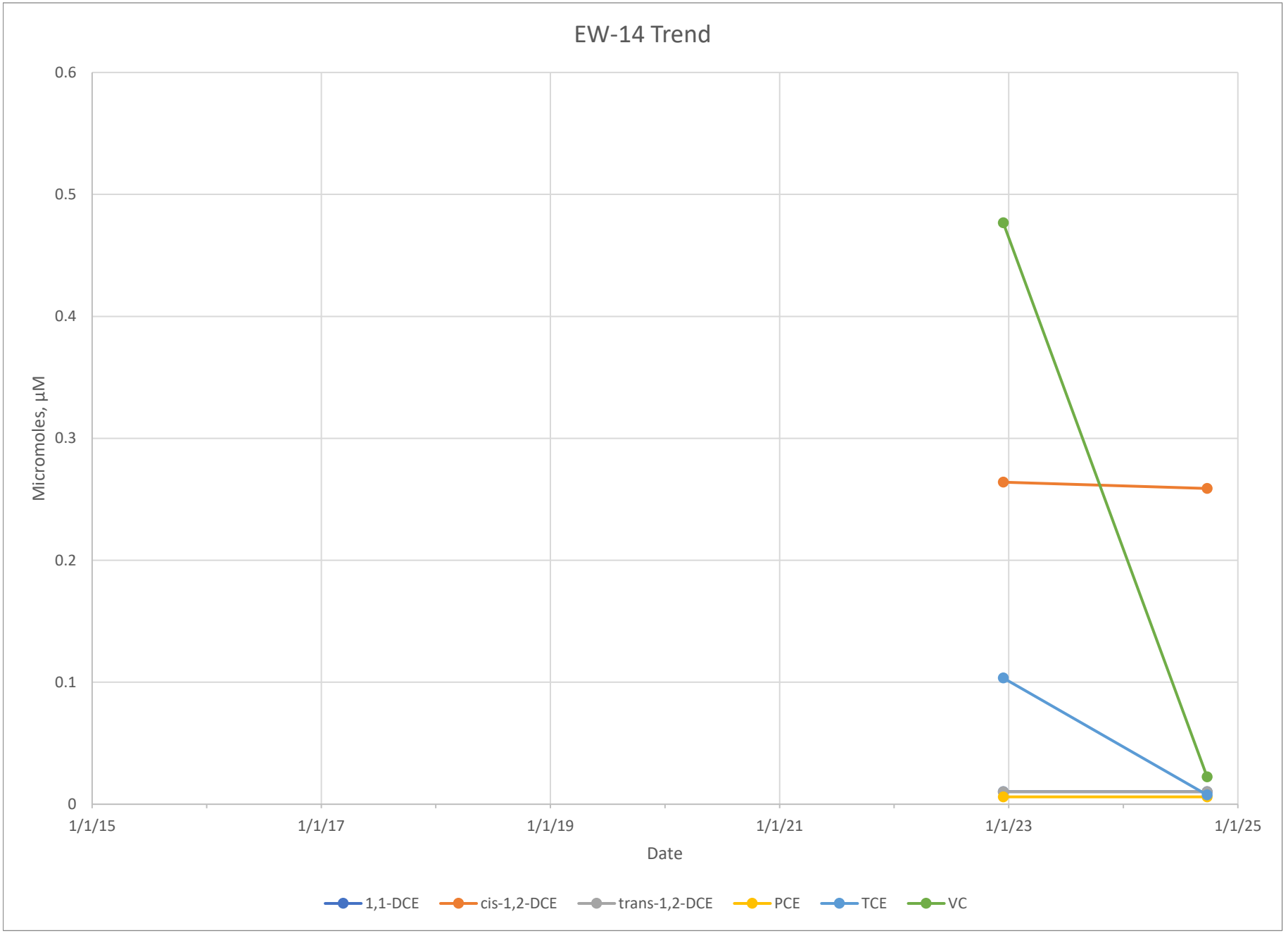

EW-9R-62C Trend
250.0
200.0
150.0
100.0
50.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

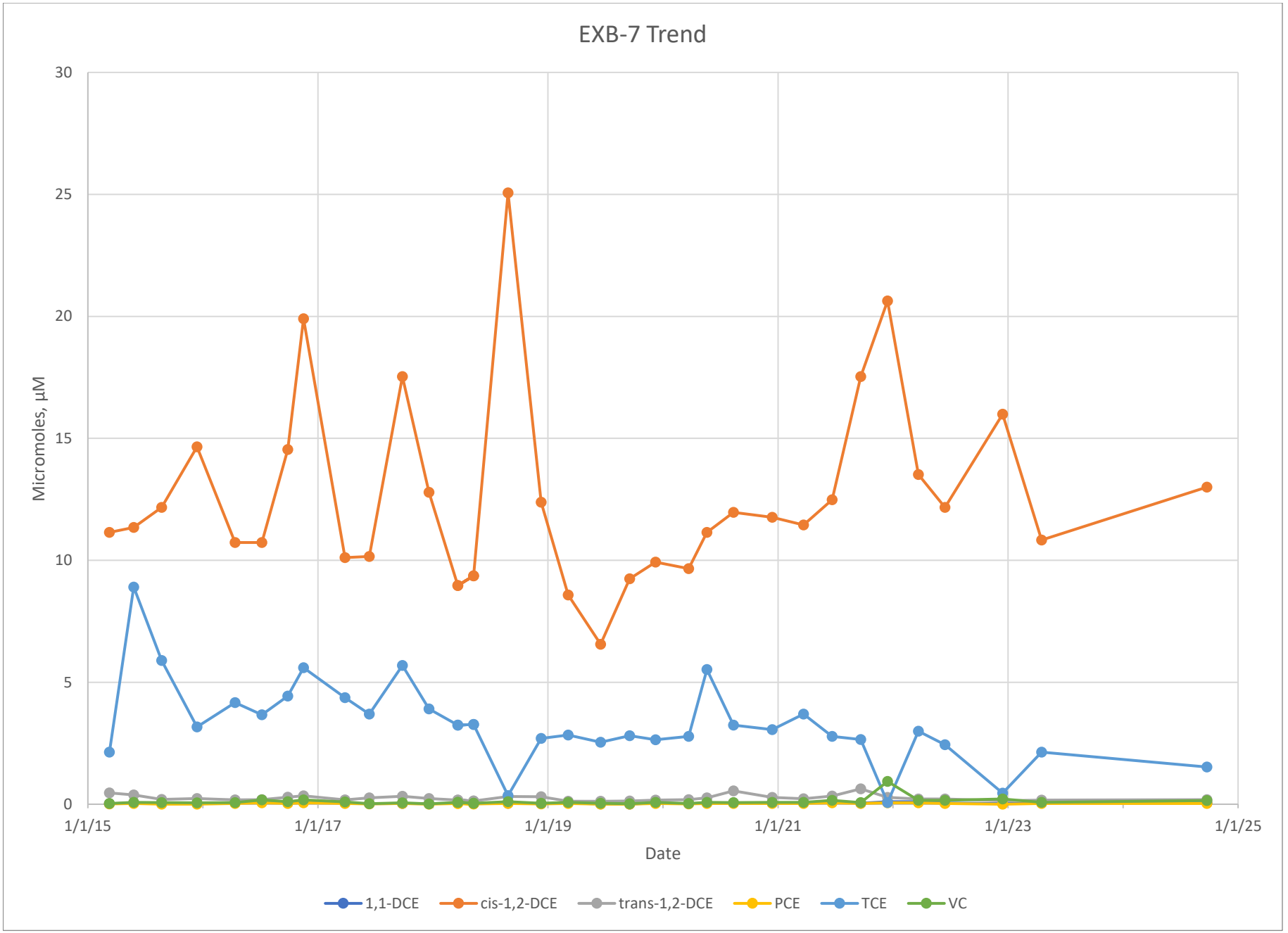

EW-10-25B Trend
Micromoles, µM
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

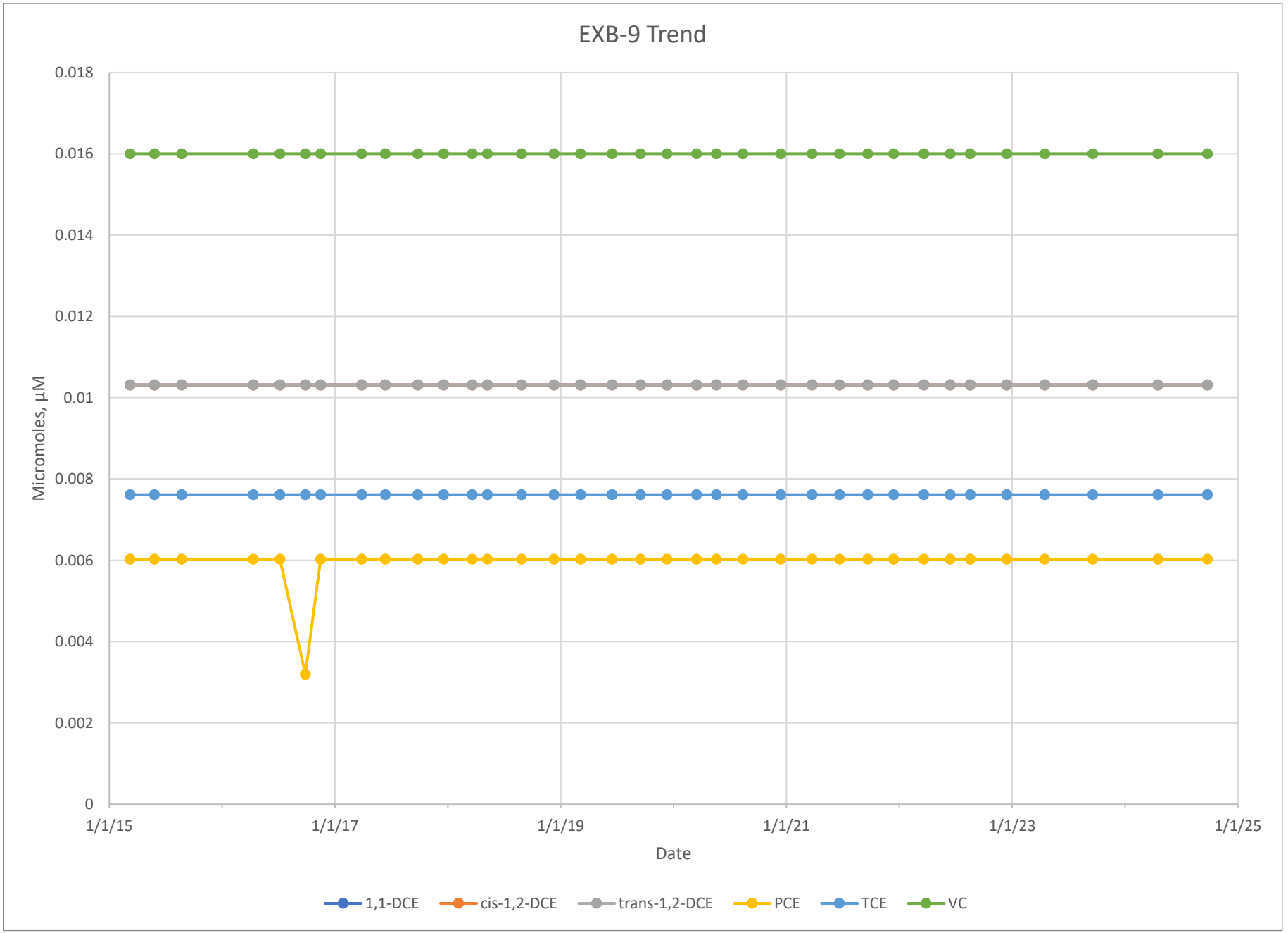

EW-11-43C Trend
250.0
200.0
150.0
100.0
50.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

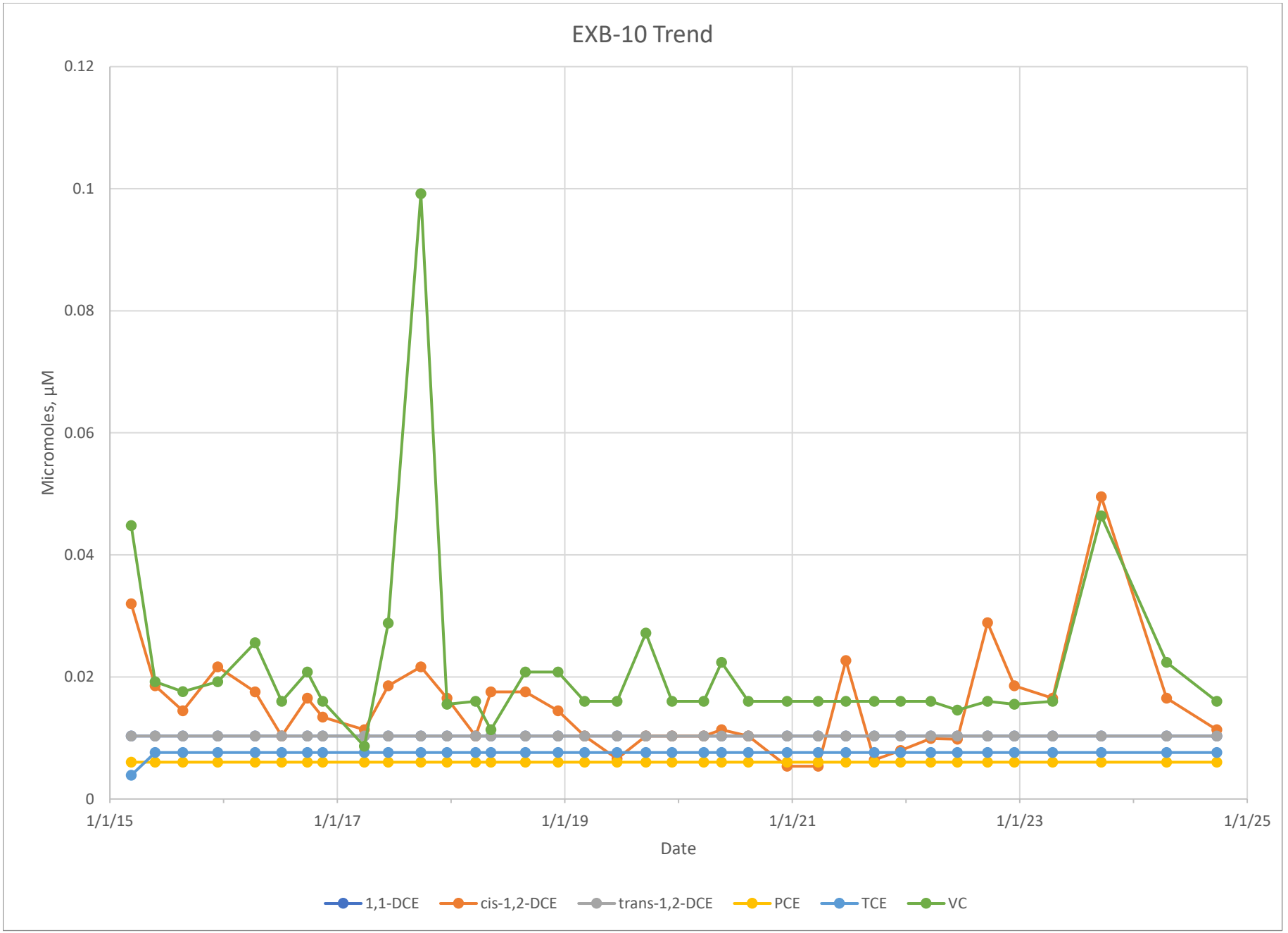

EW-12-45C Trend
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

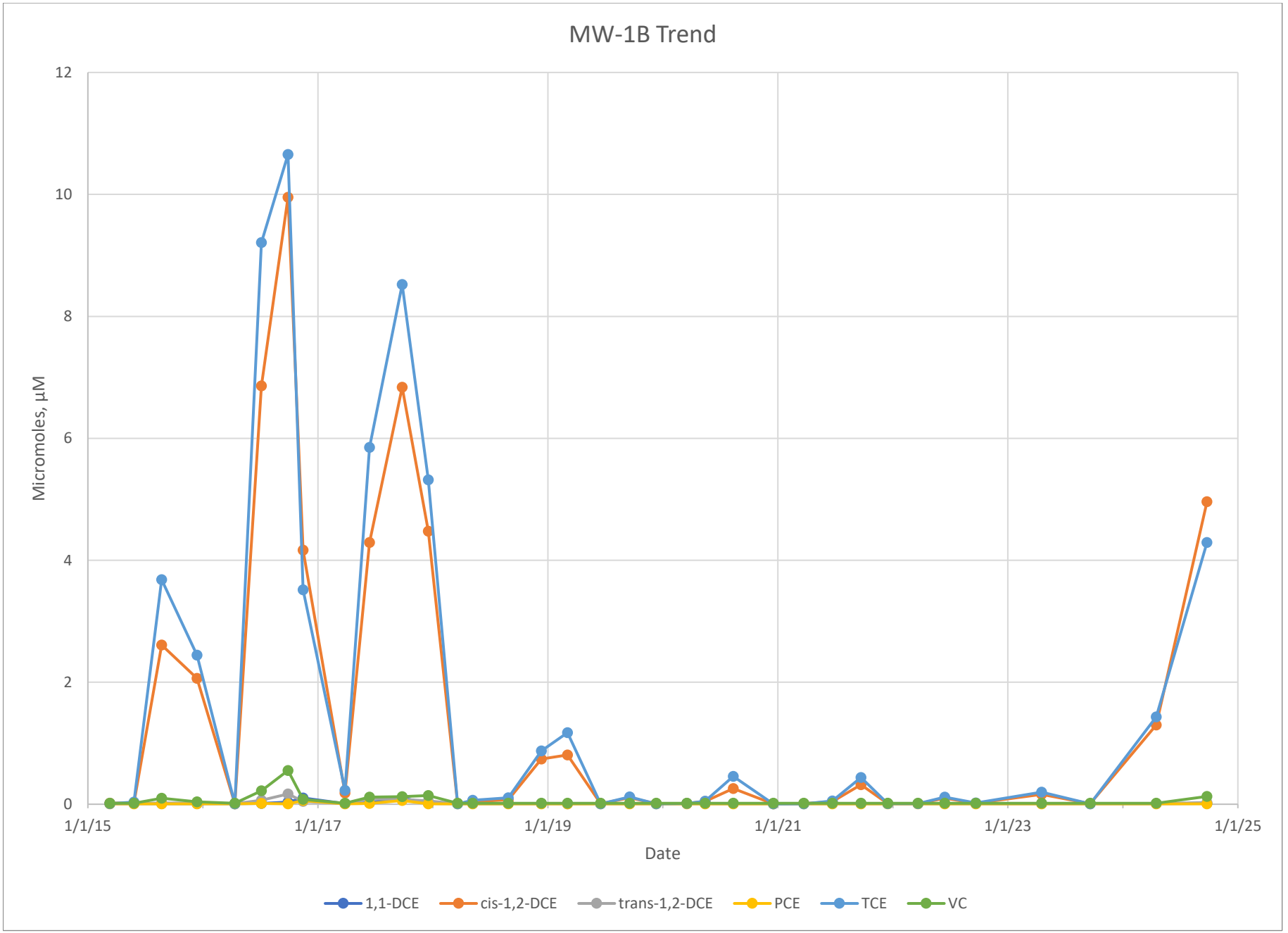

EW-13 Trend
Micromoles, µM
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

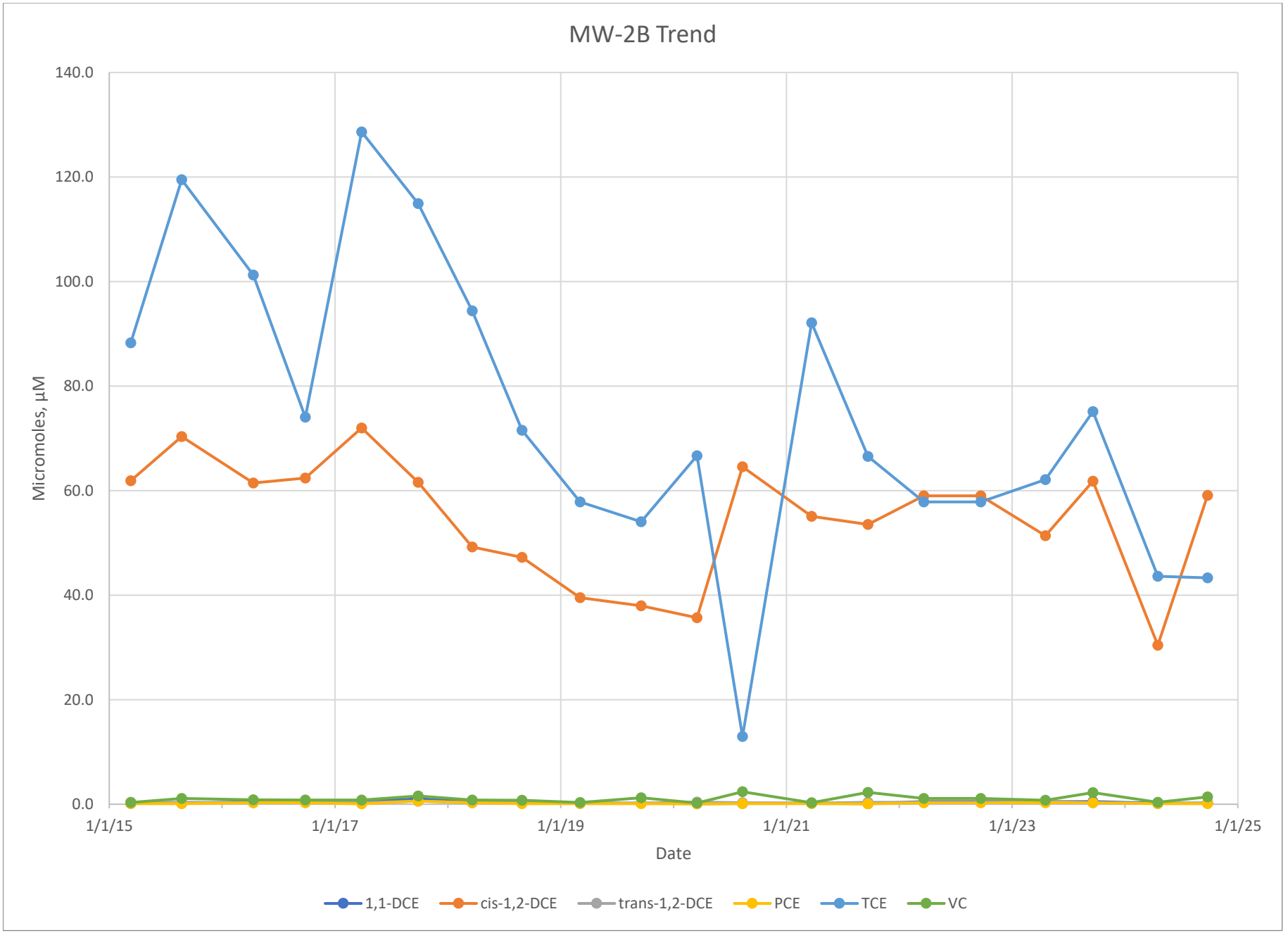

EW-14 Trend
0.6
0.5
0.4
0.3
0.2
0.1
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

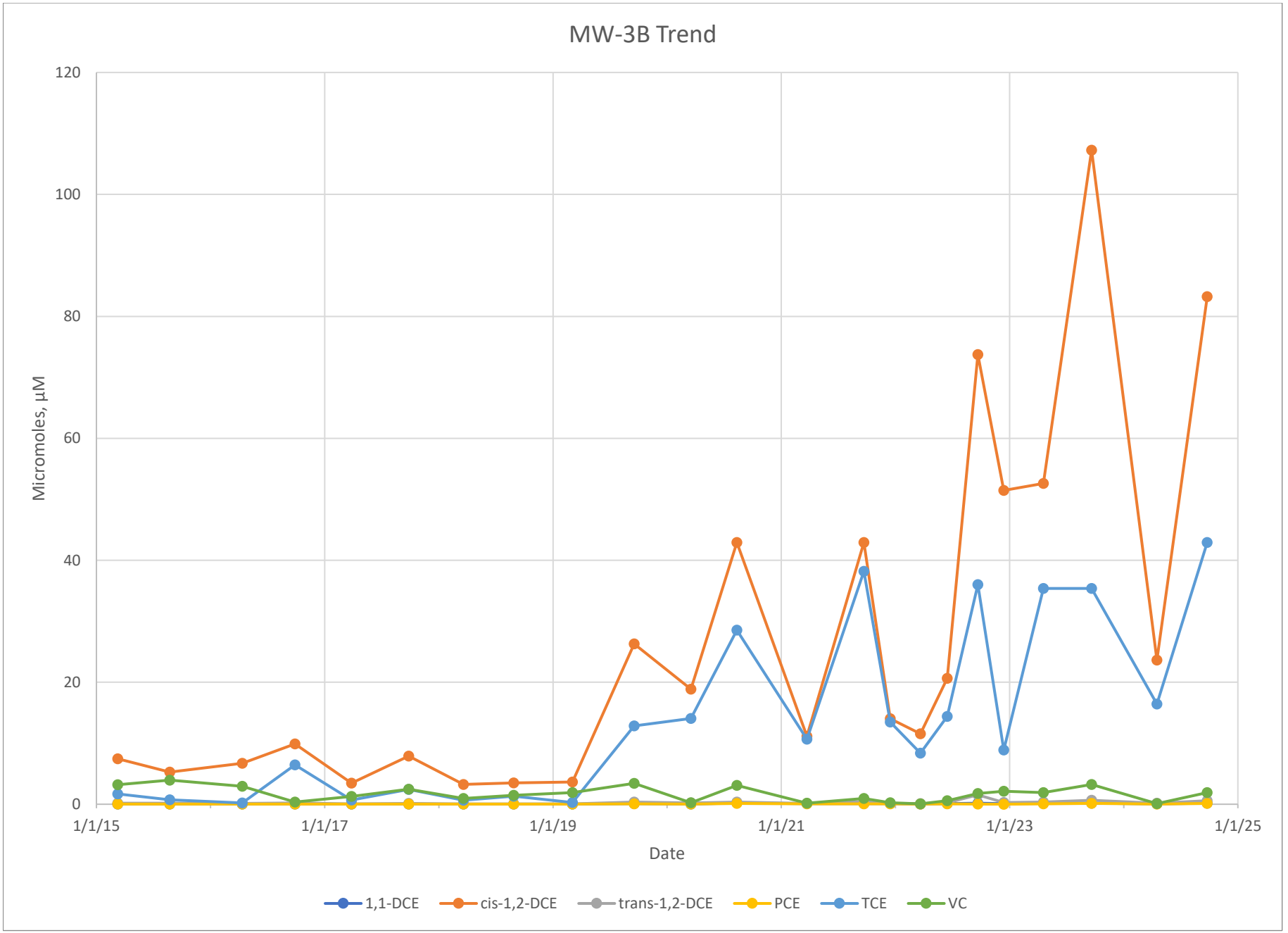

EXB-7 Trend
30
25
20
15
10
5
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

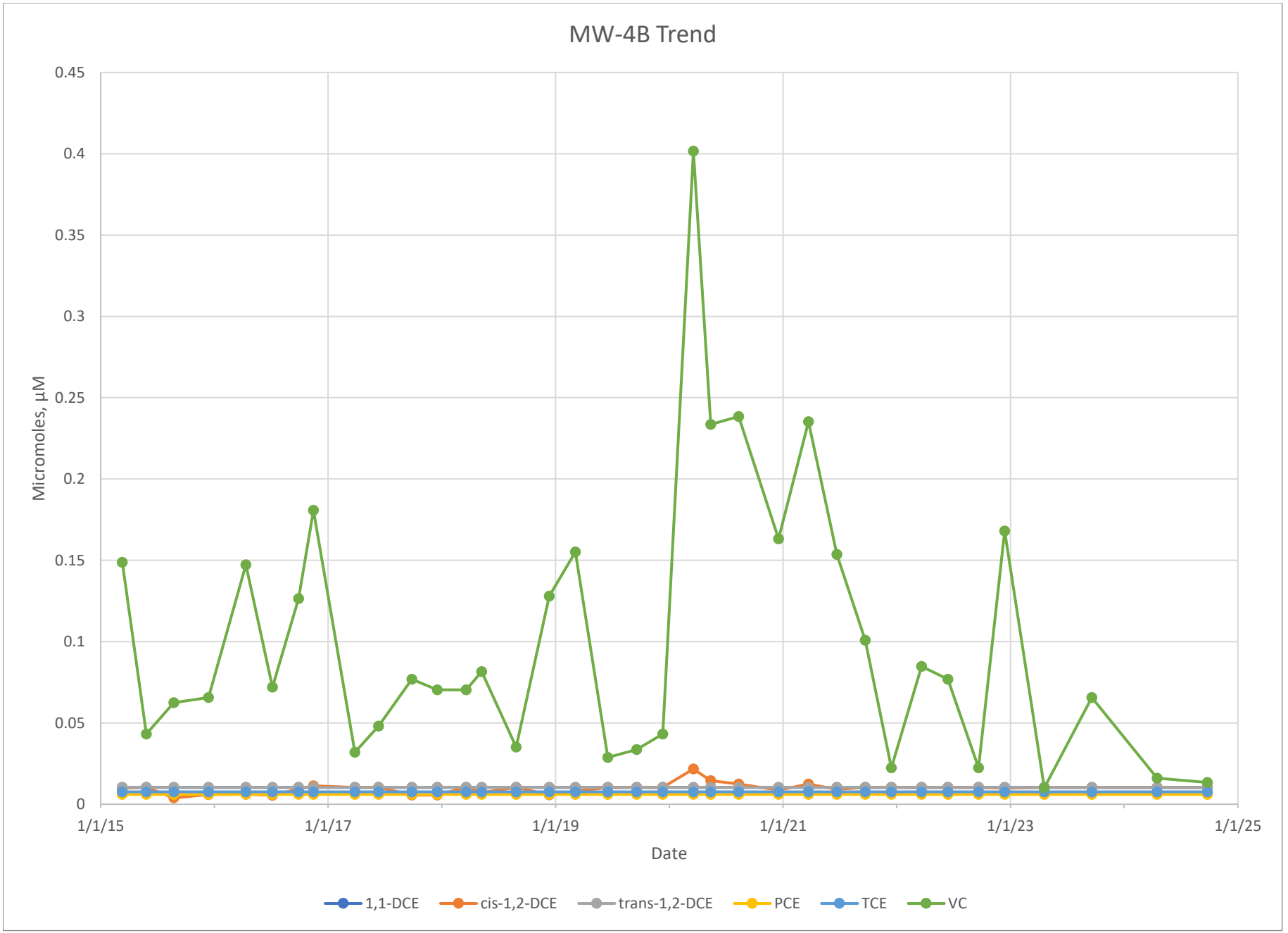

EXB-9 Trend
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

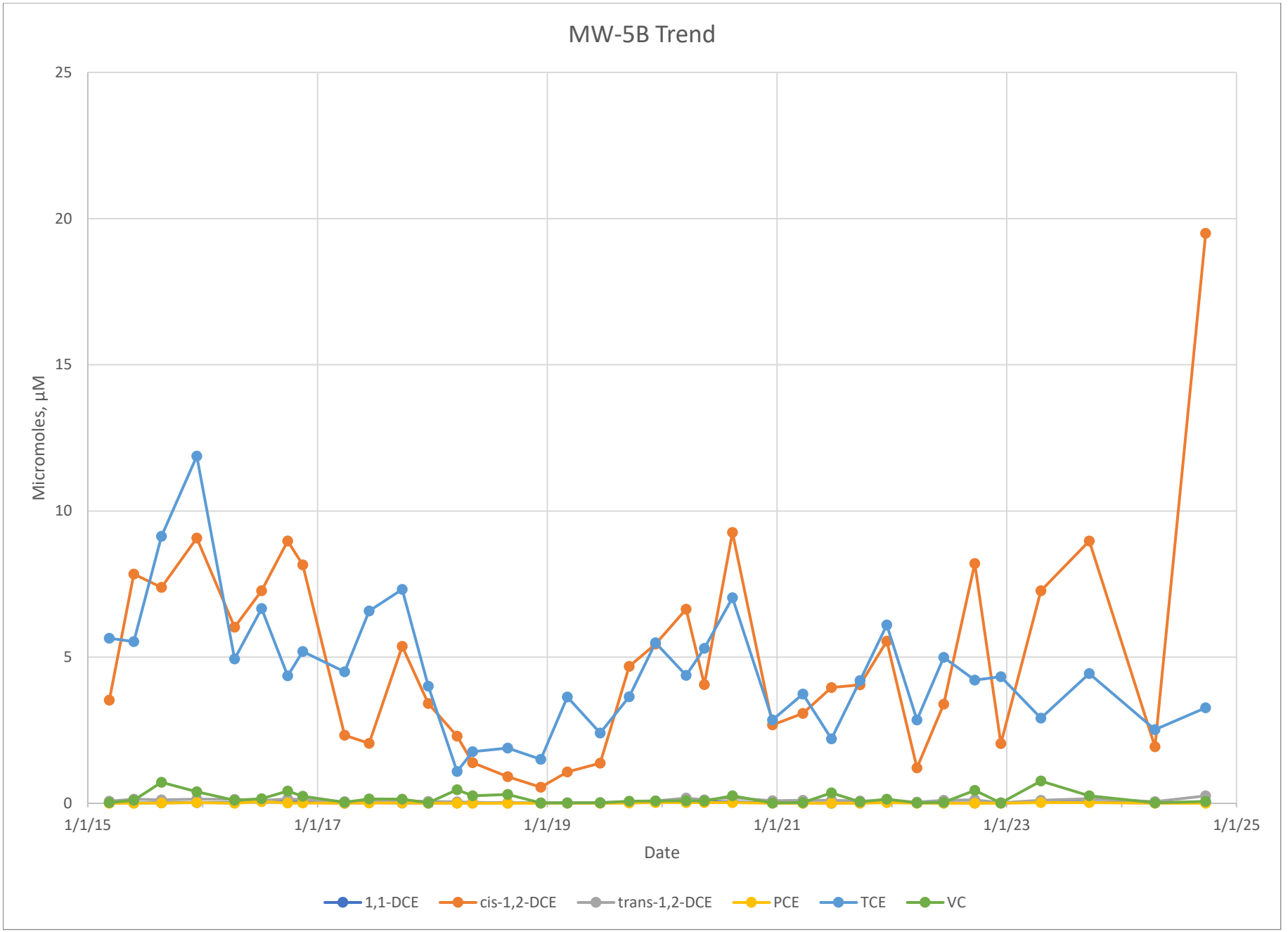

EXB-10 Trend
0.12
0.1
0.08
0.06
0.04
0.02
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

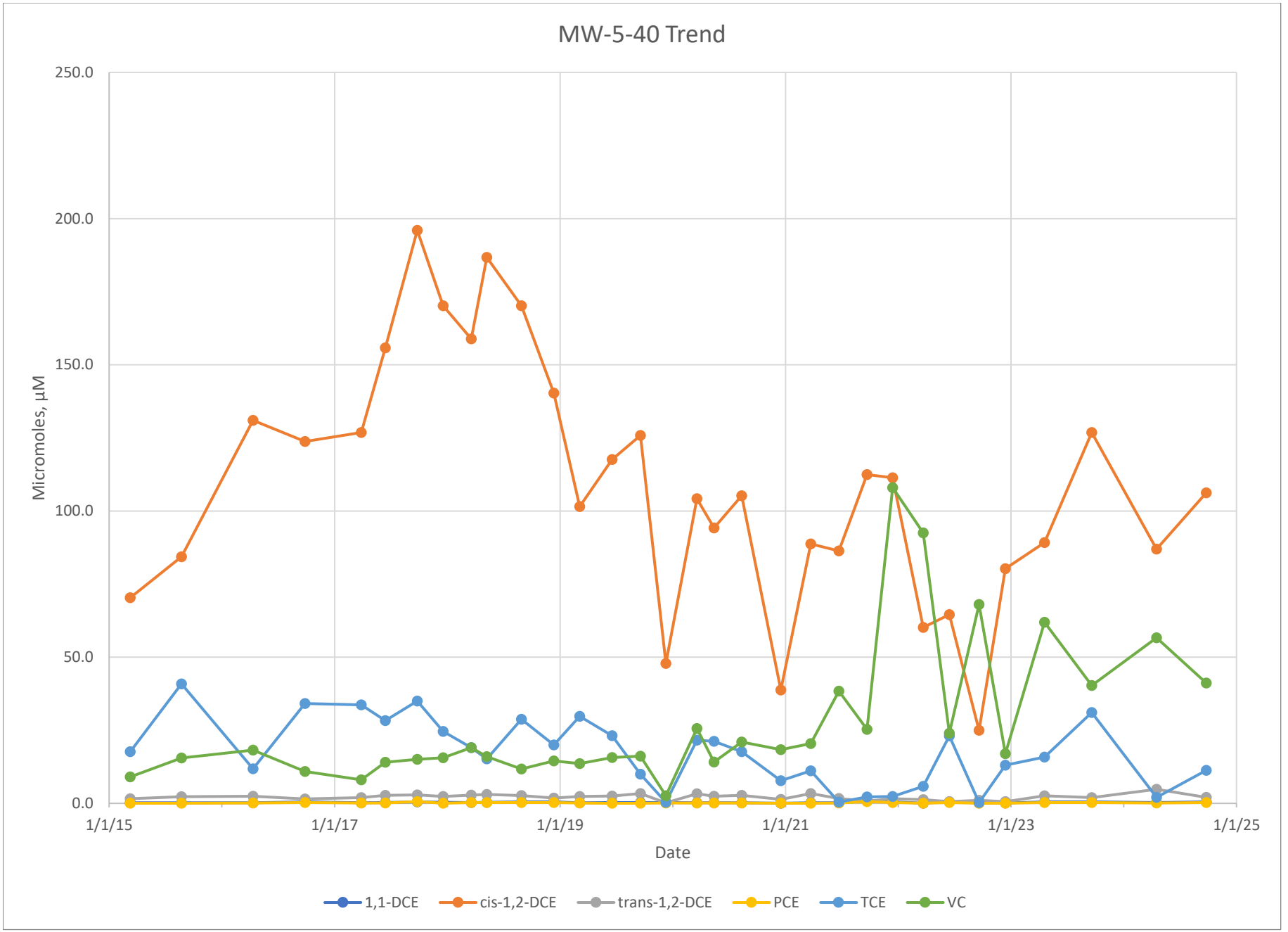

MW-1B Trend
12
10
8
6
4
2
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

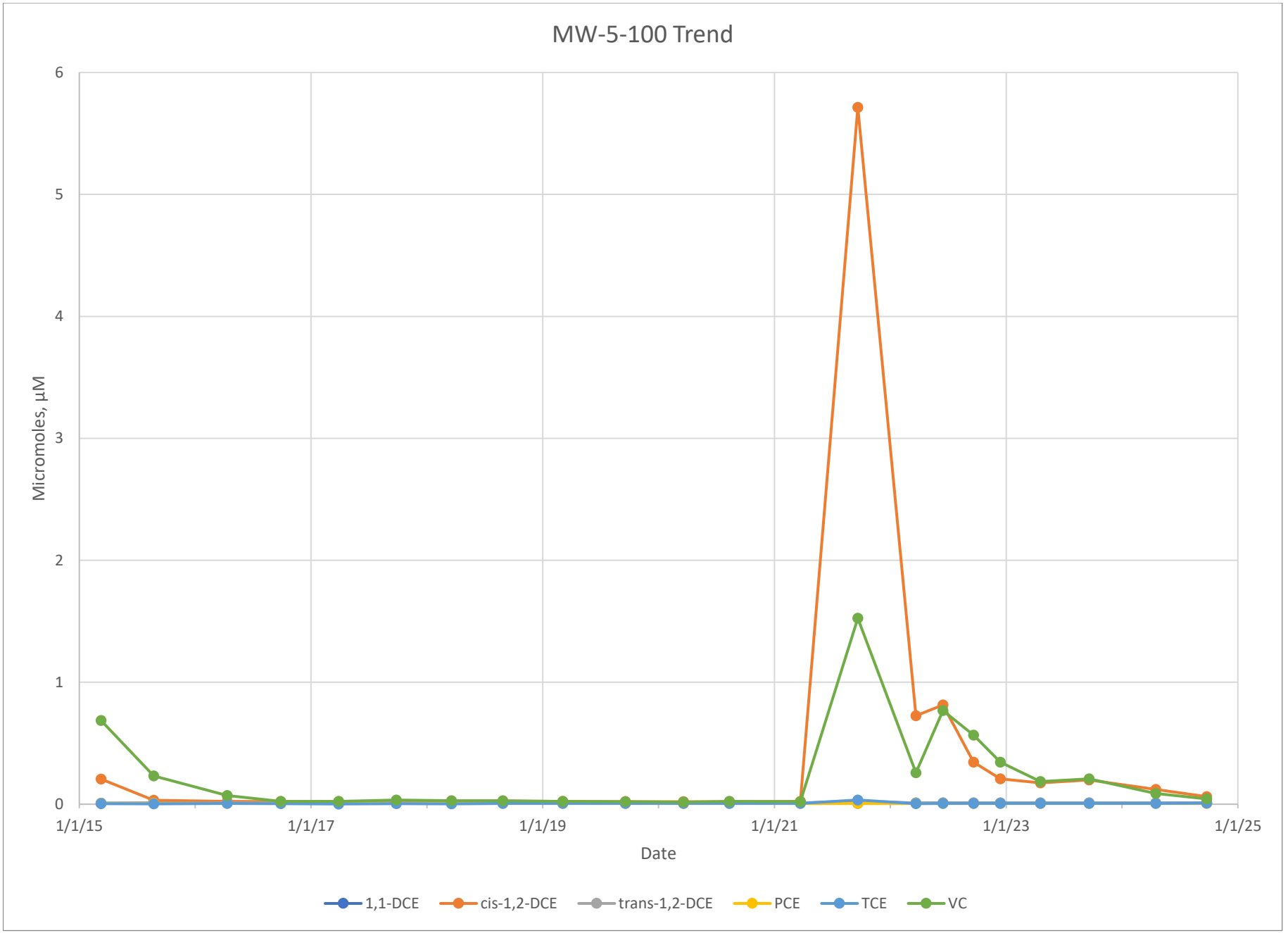

MW-2B Trend
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

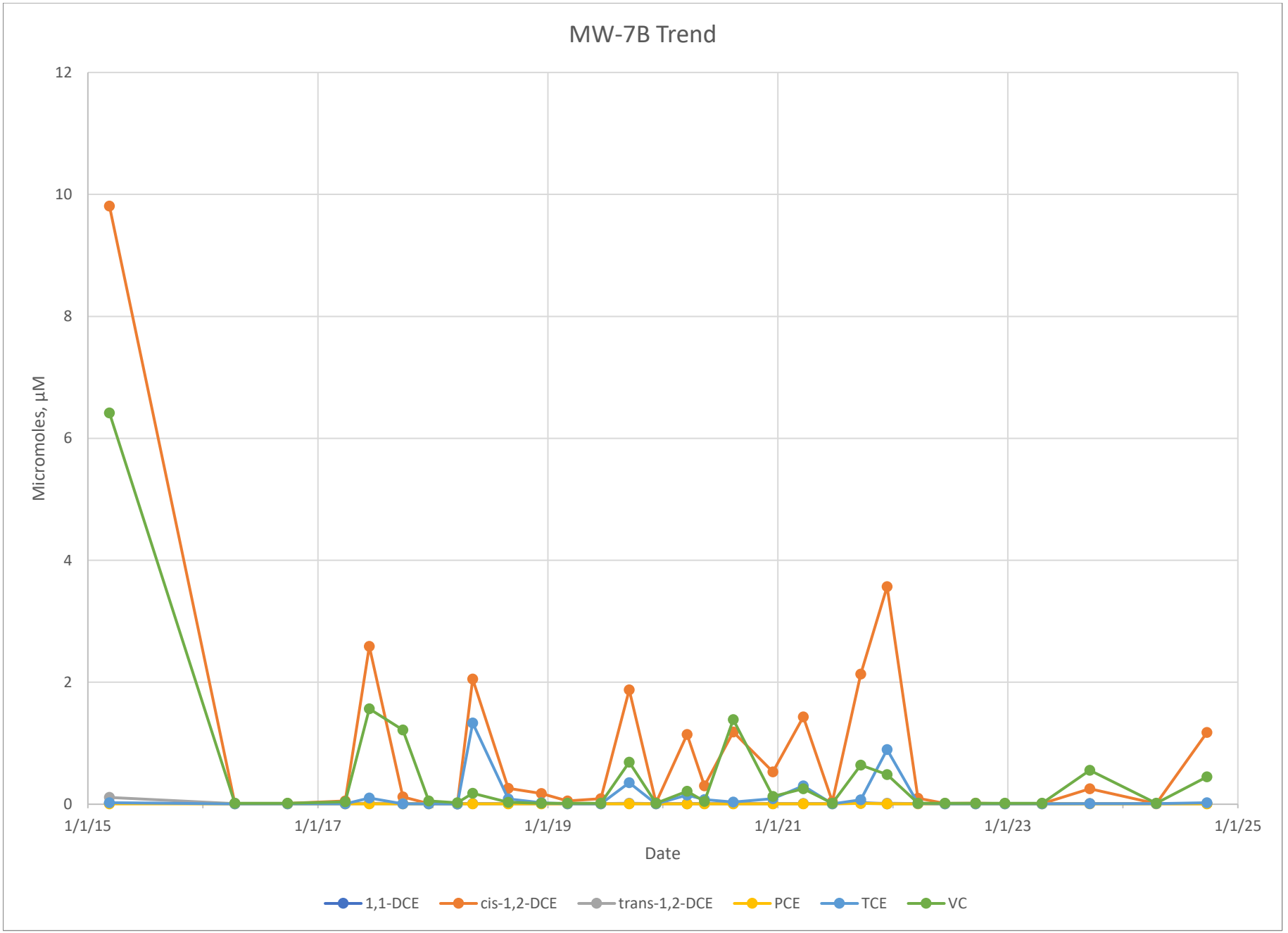

MW-3B Trend
120
100
80
60
40
20
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

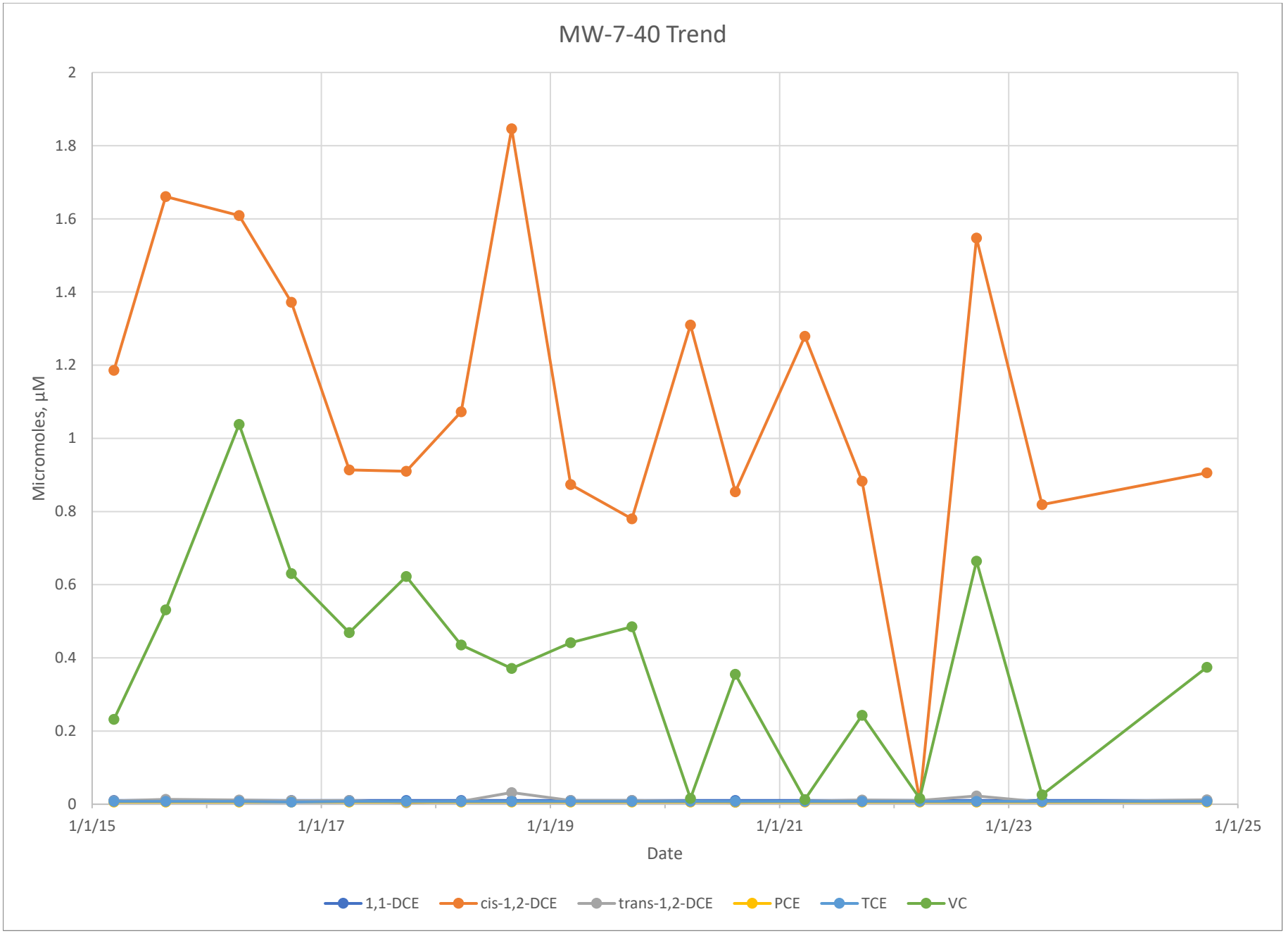

MW-4B Trend
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

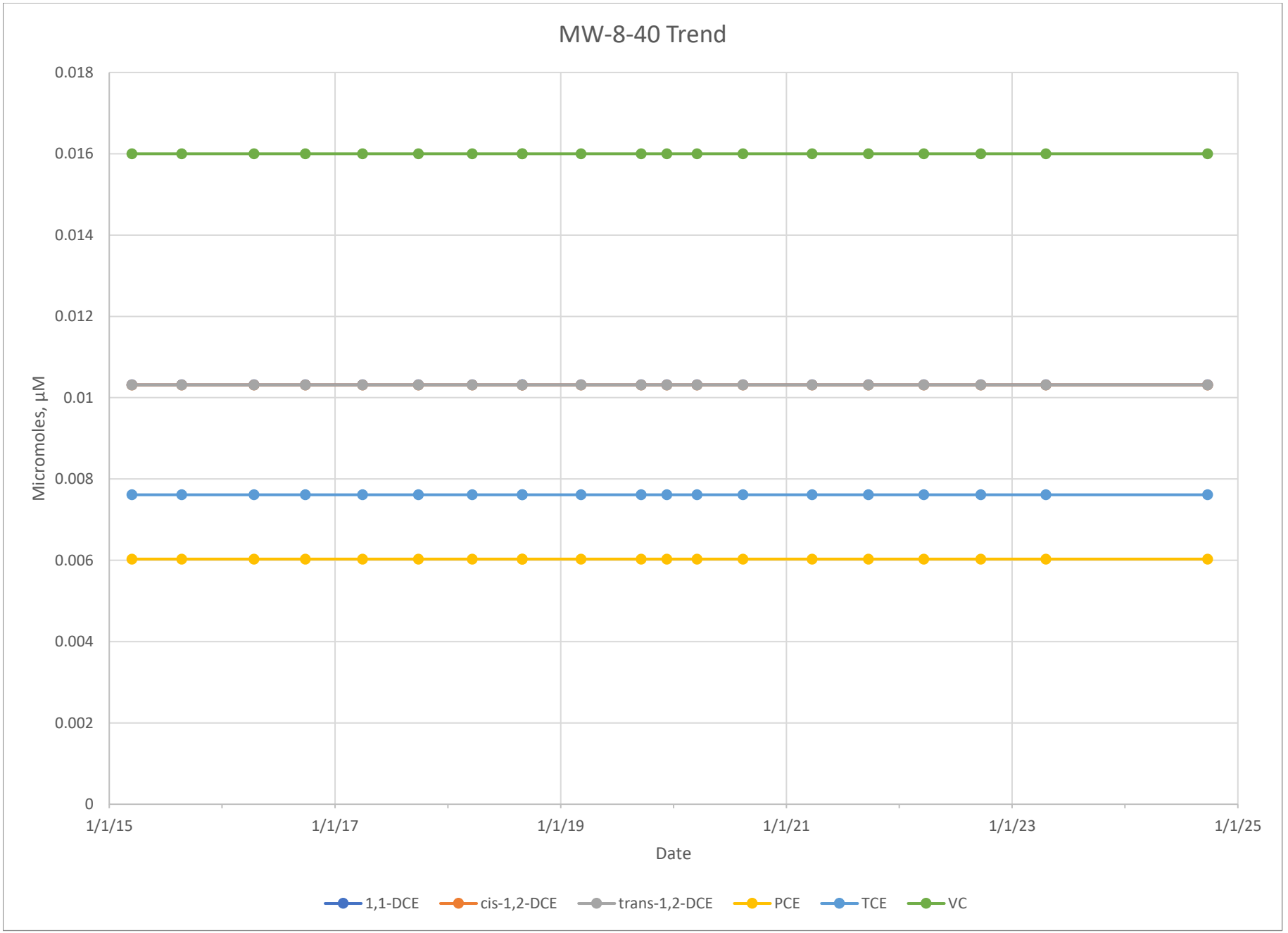

MW-5B Trend
25
20
15
10
5
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

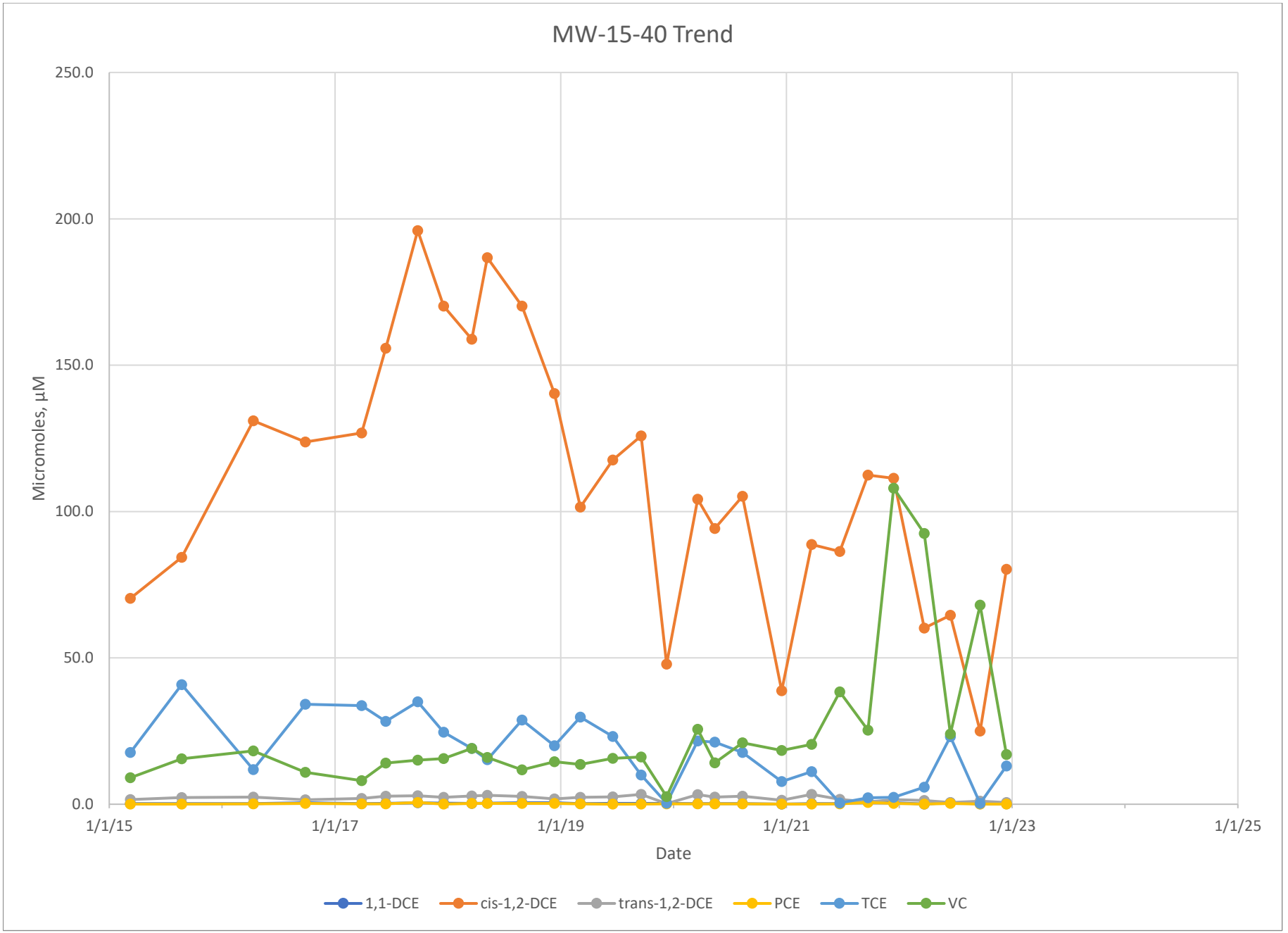

MW-5-40 Trend
250.0
200.0
150.0
100.0
50.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

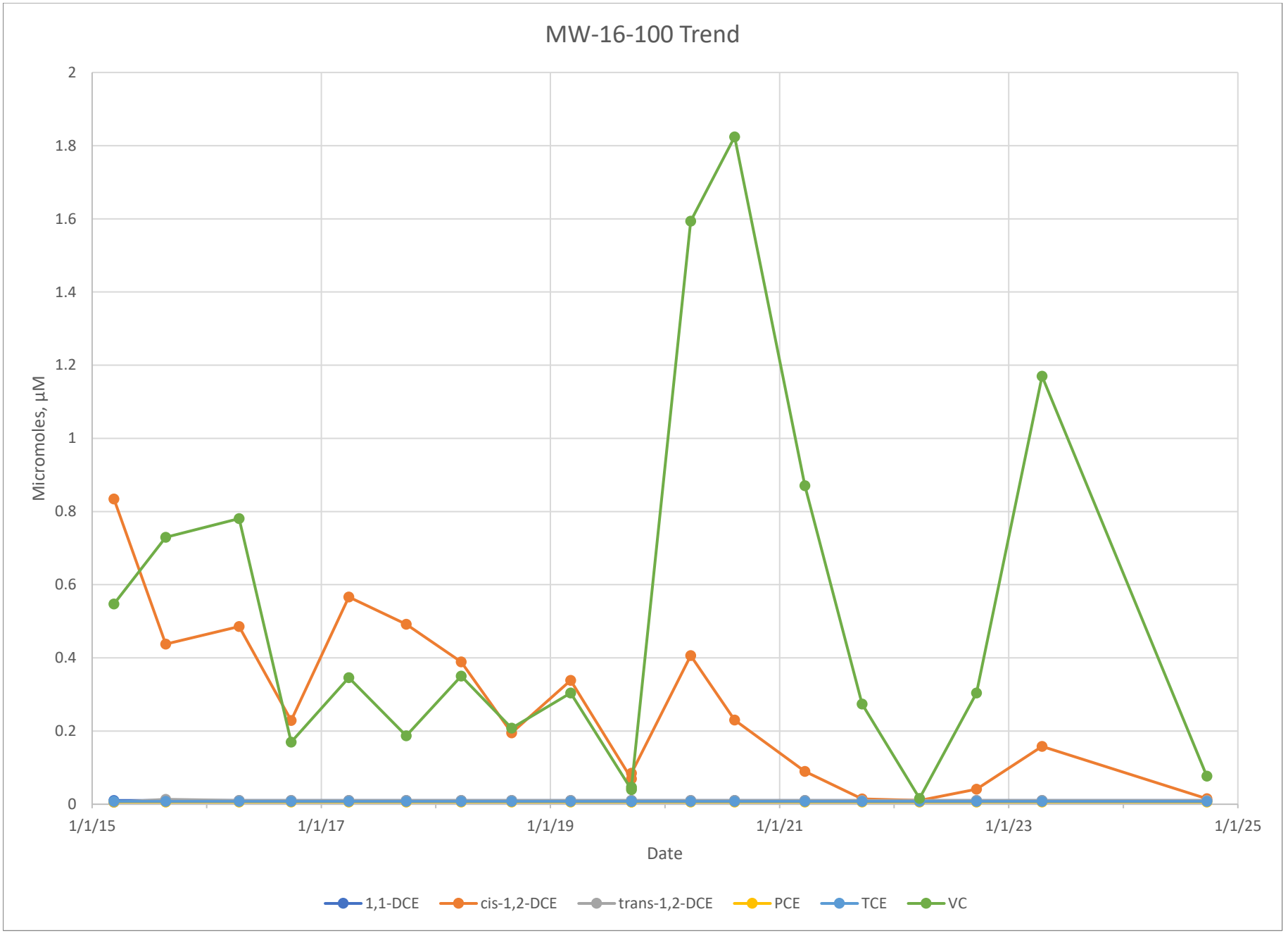

MW-5-100 Trend
Micromoles, µM
6
5
4
3
2
1
0
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

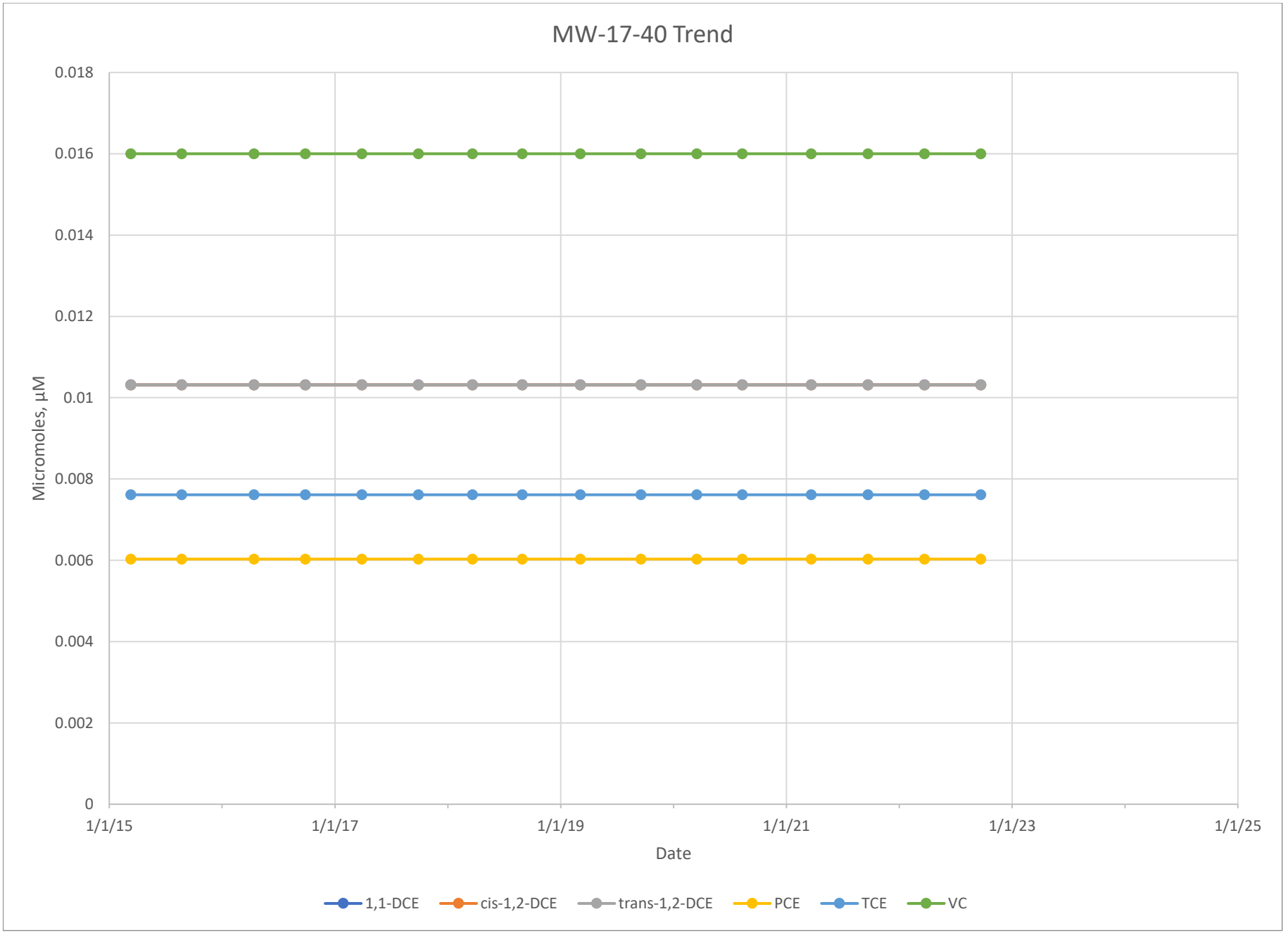

MW-7B Trend
12
10
8
6
4
2
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

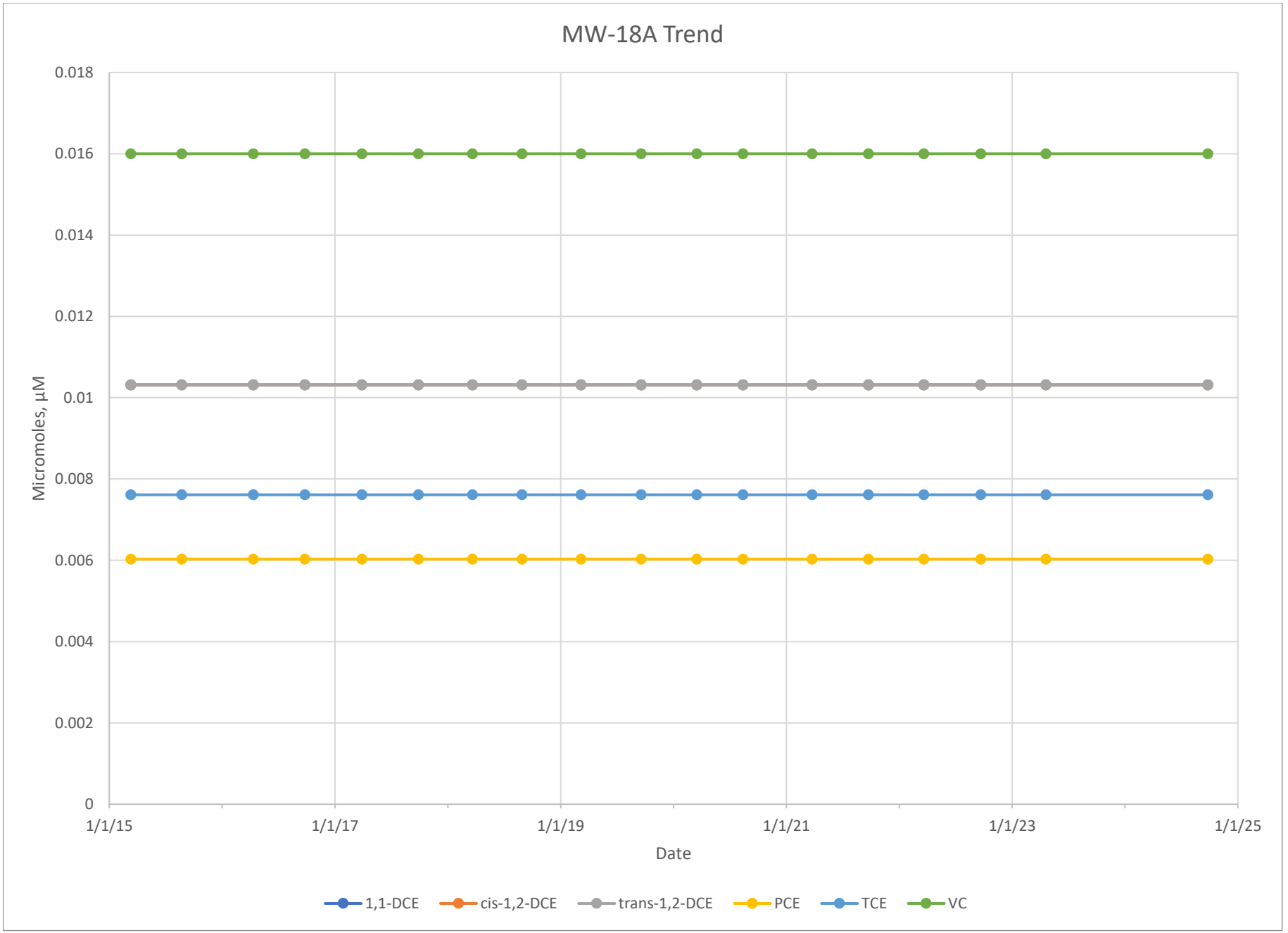

MW-7-40 Trend
Micromoles, µM
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

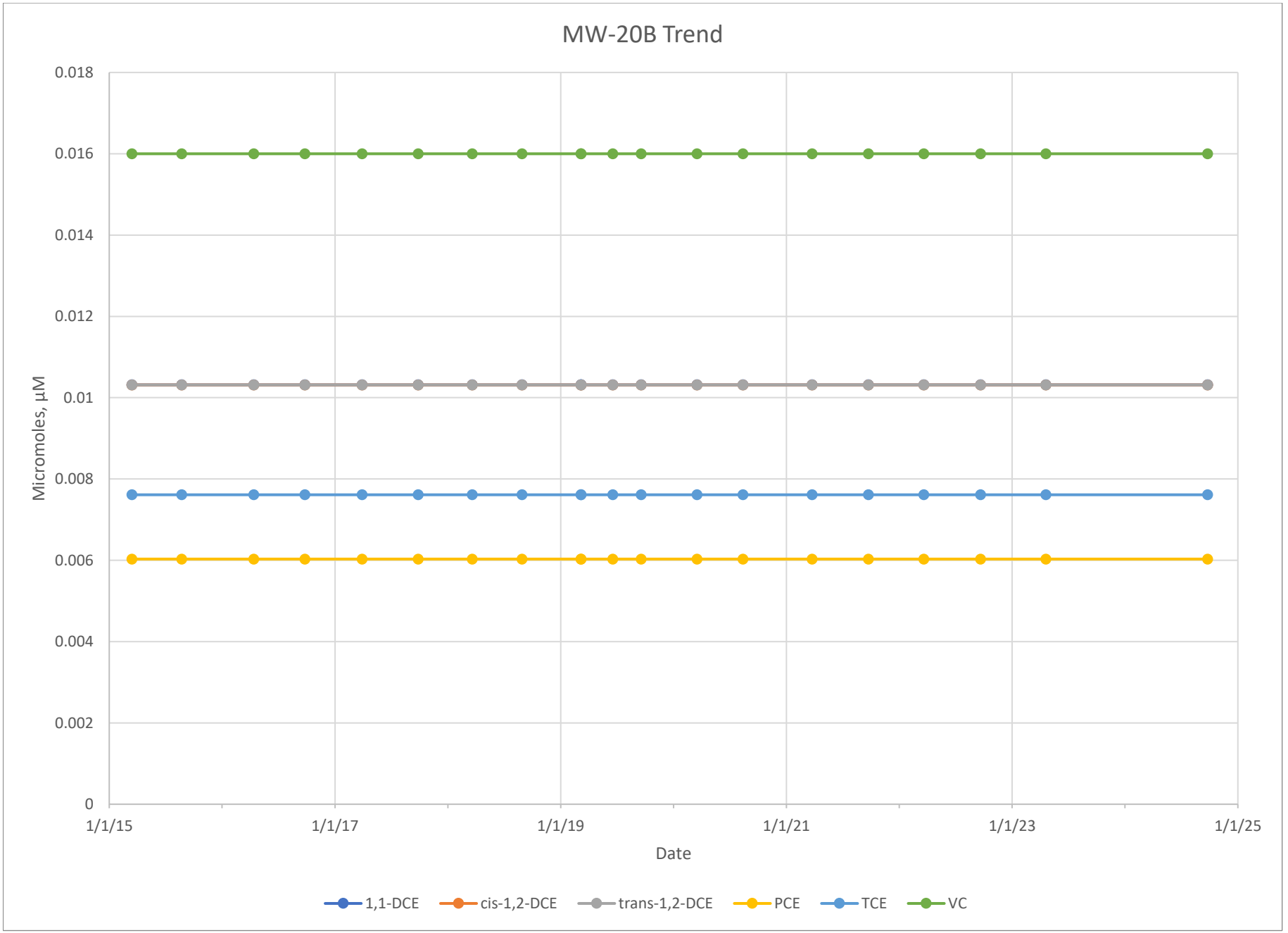

MW-8-40 Trend
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

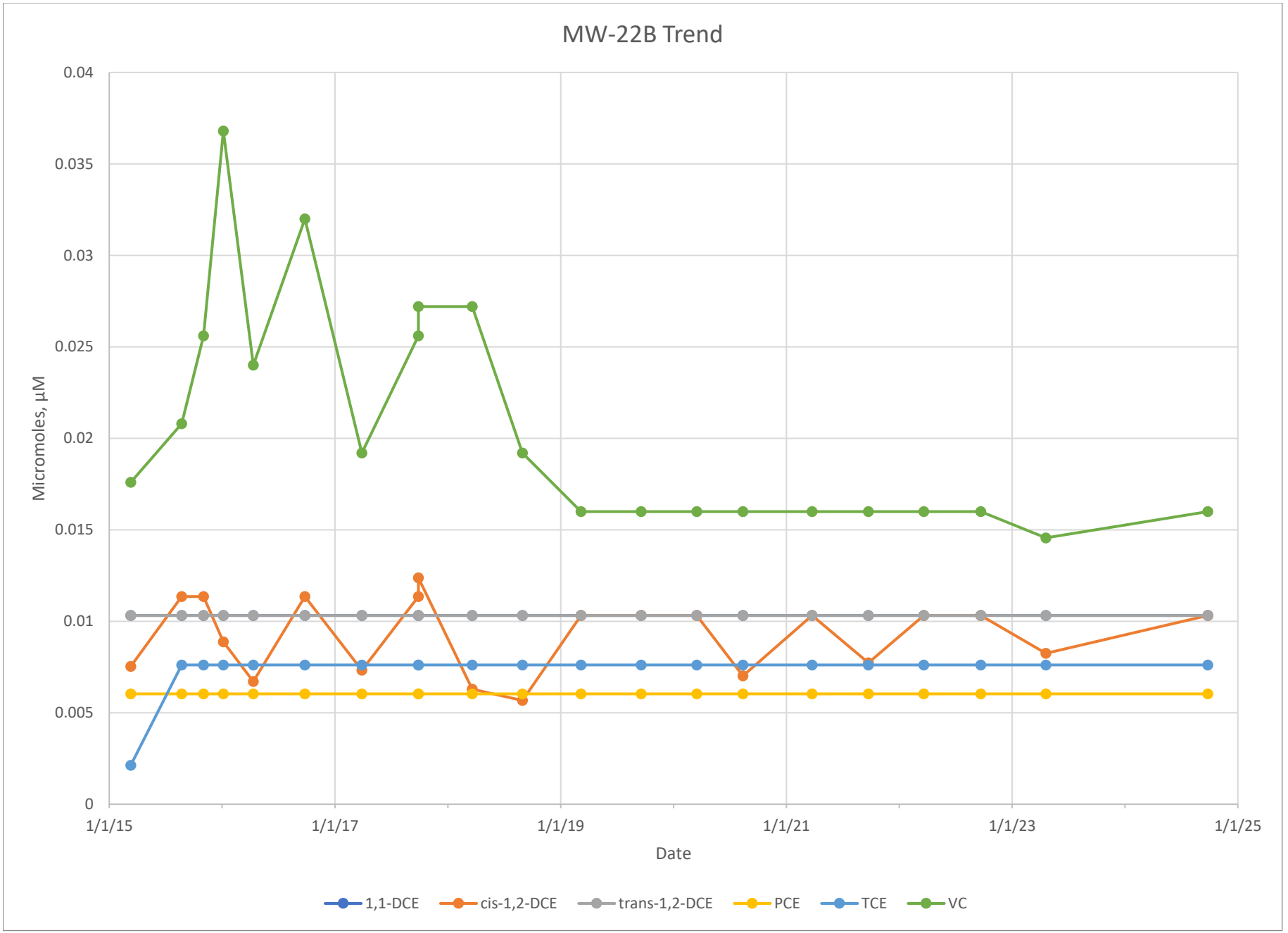

MW-15-40 Trend
250.0
200.0
150.0
100.0
50.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

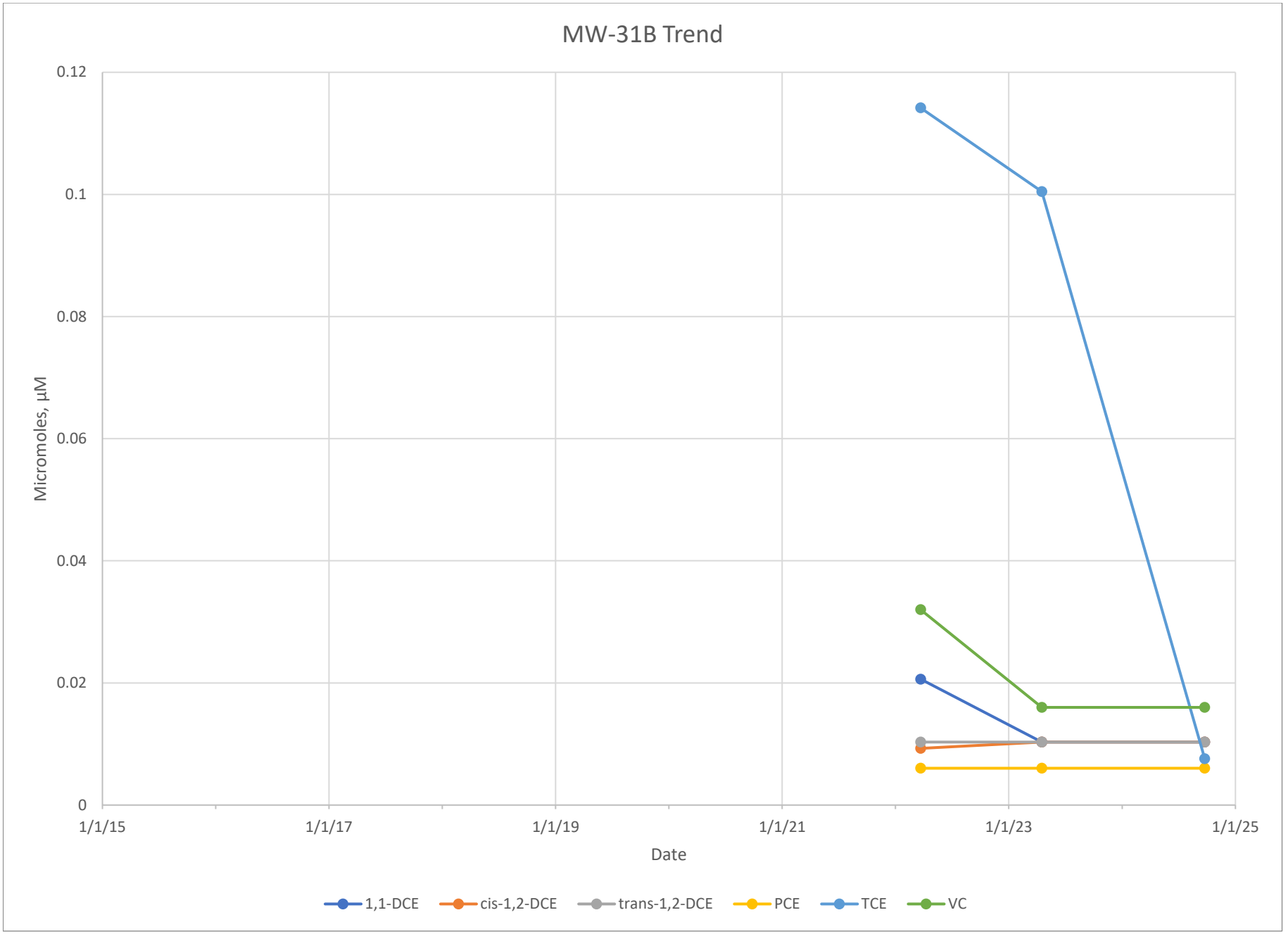

MW-16-100 Trend
Micromoles, µM
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

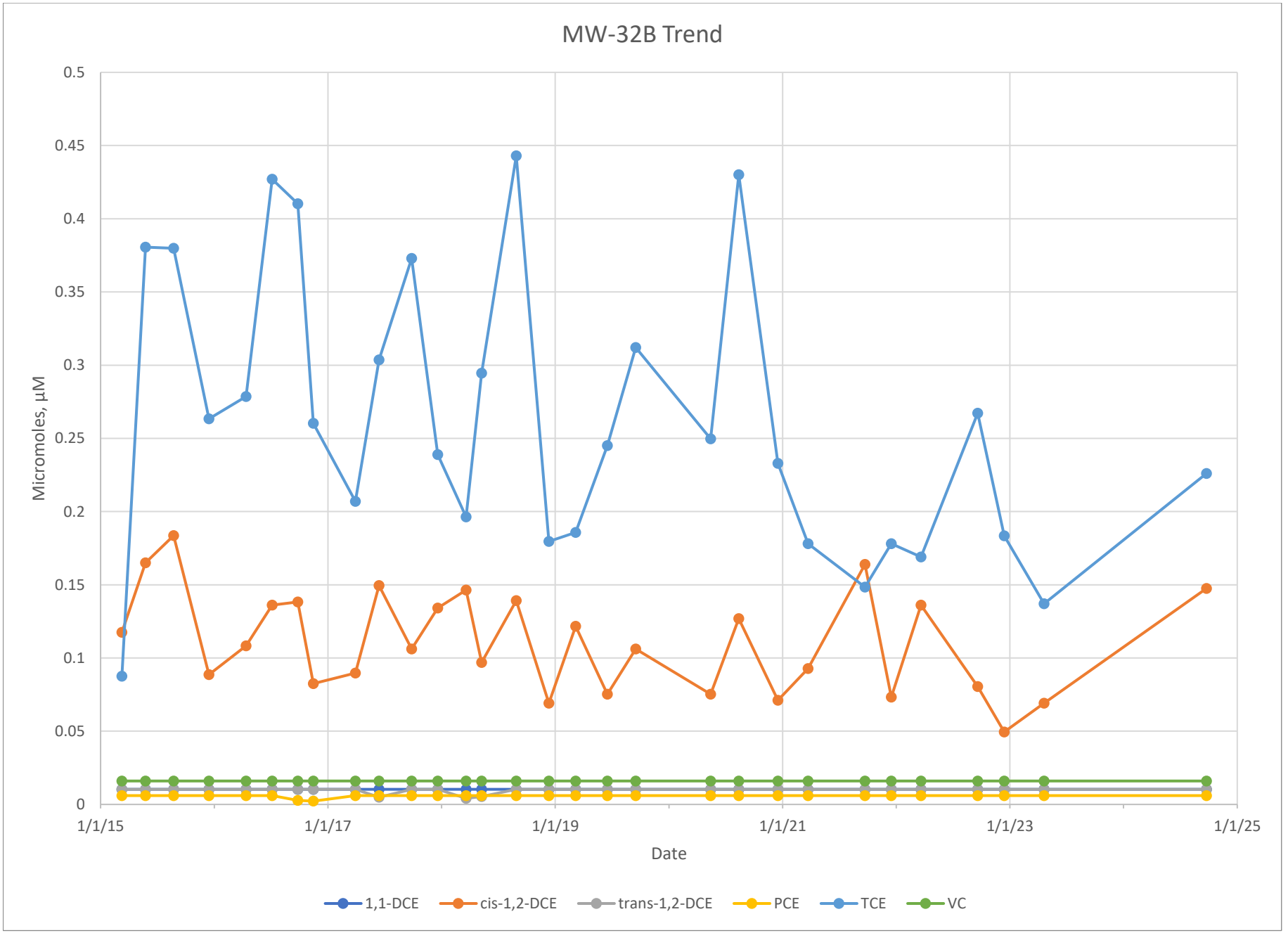

MW-17-40 Trend
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

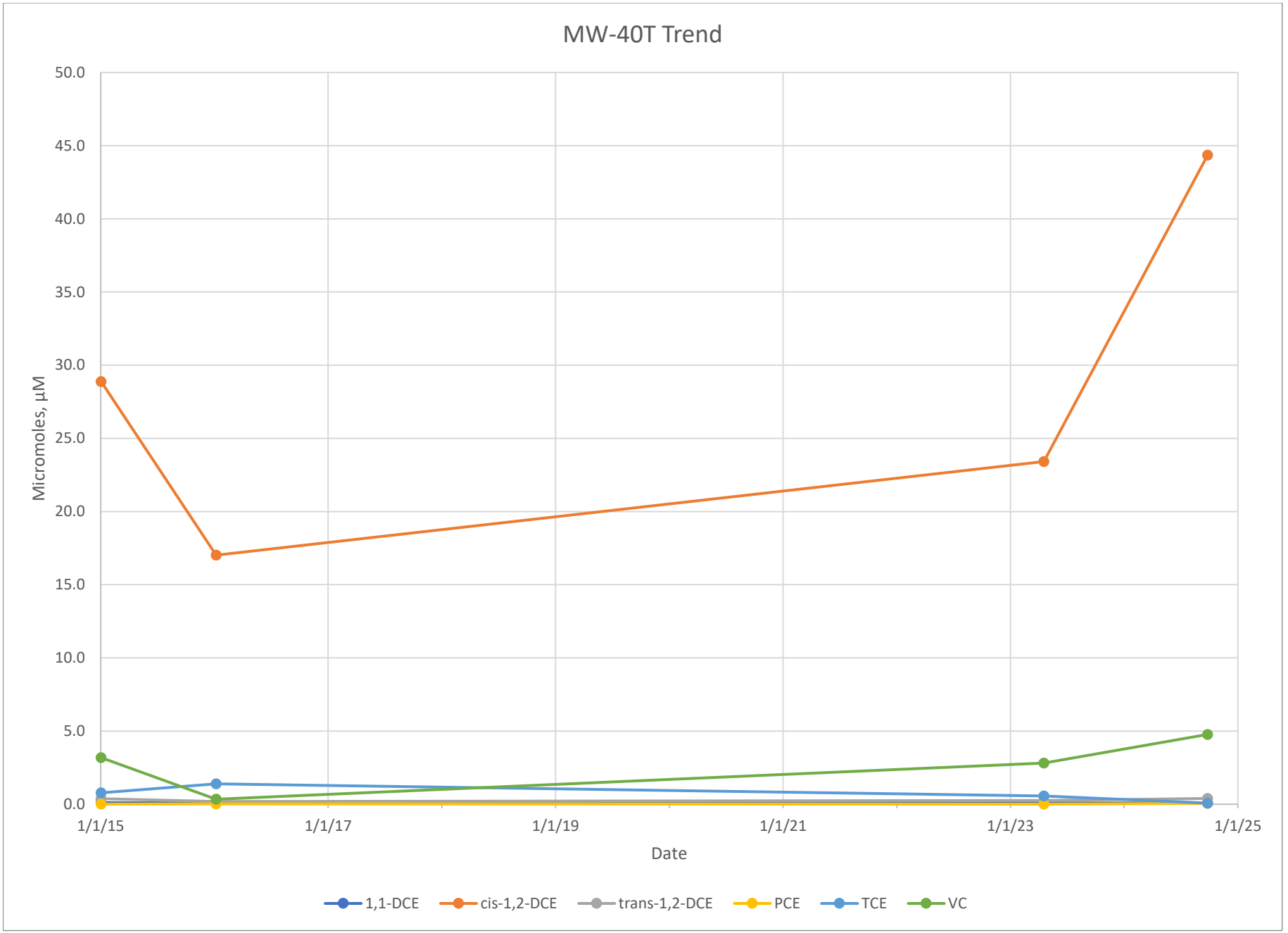

MW-18A Trend
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

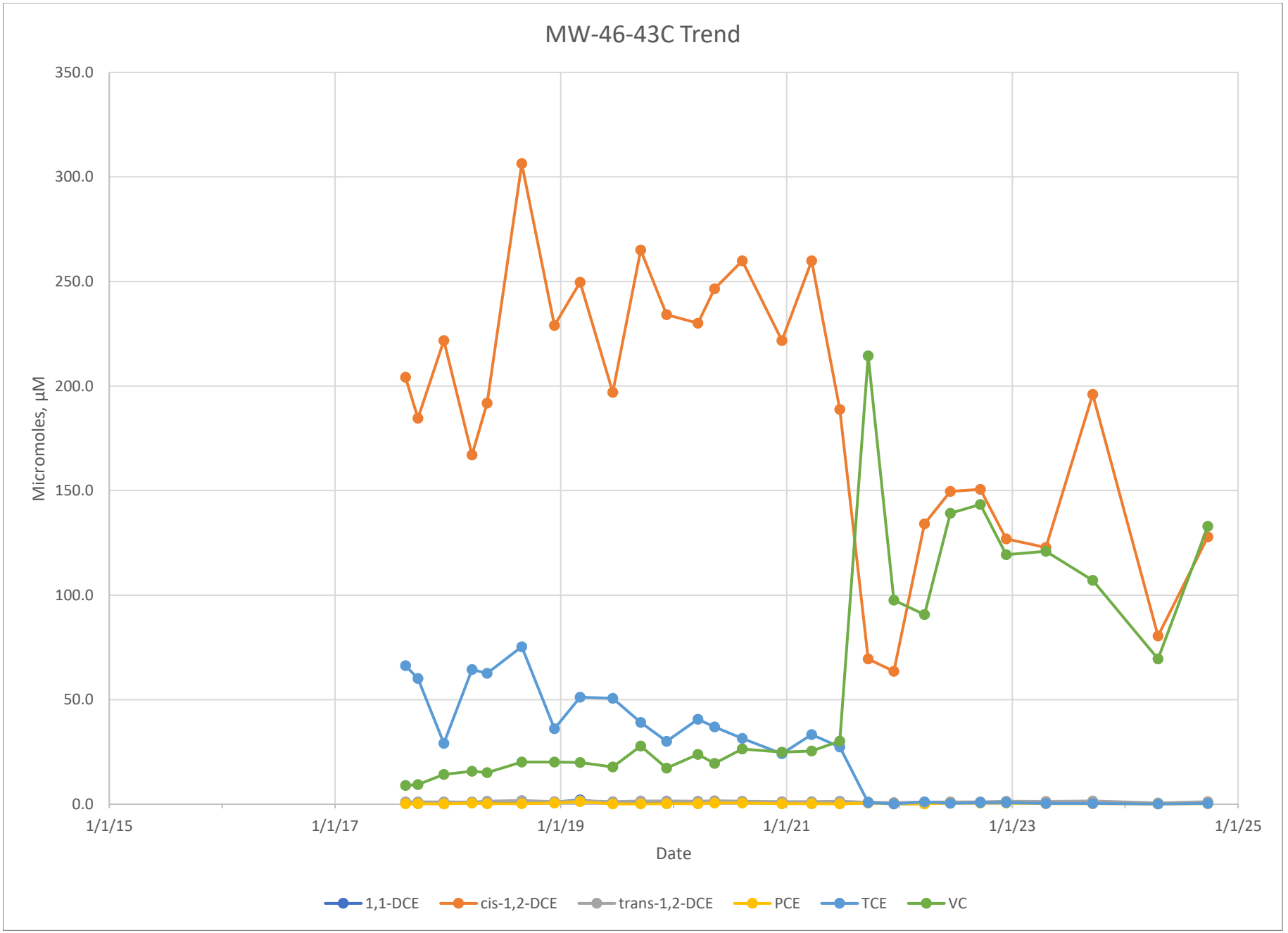

MW-20B Trend
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

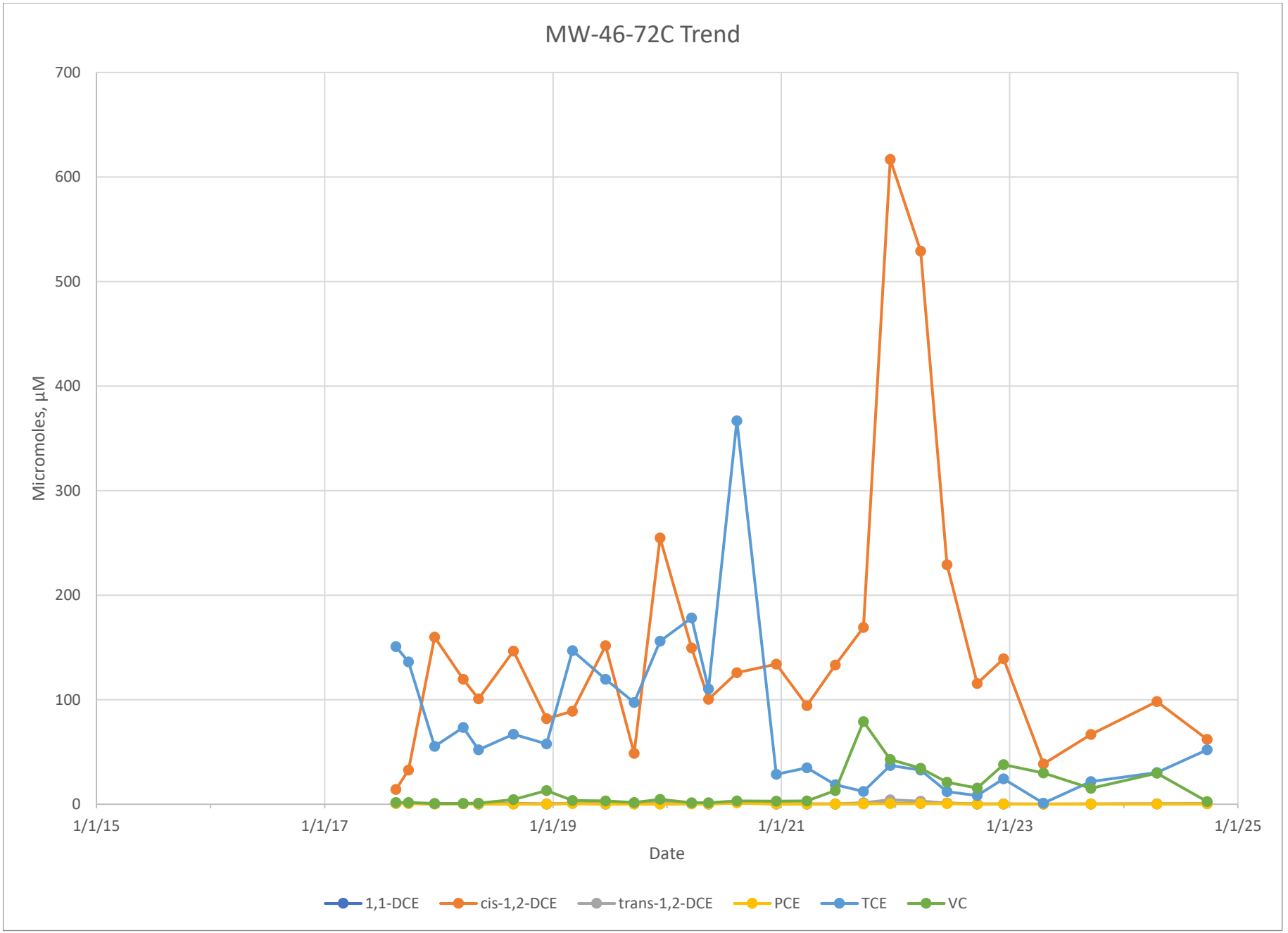

MW-22B Trend
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

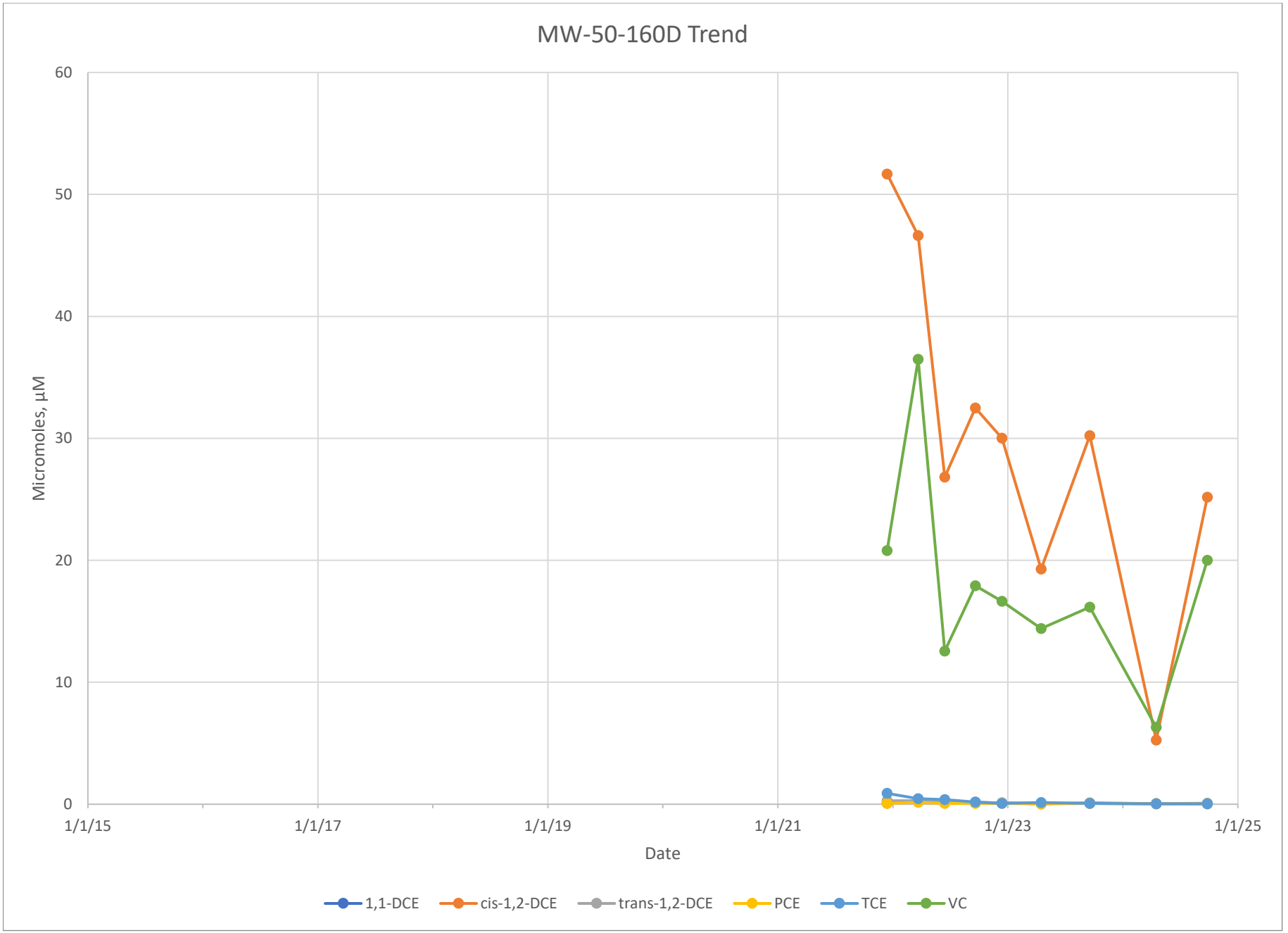

MW-31B Trend
0.12
0.1
0.08
0.06
0.04
0.02
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

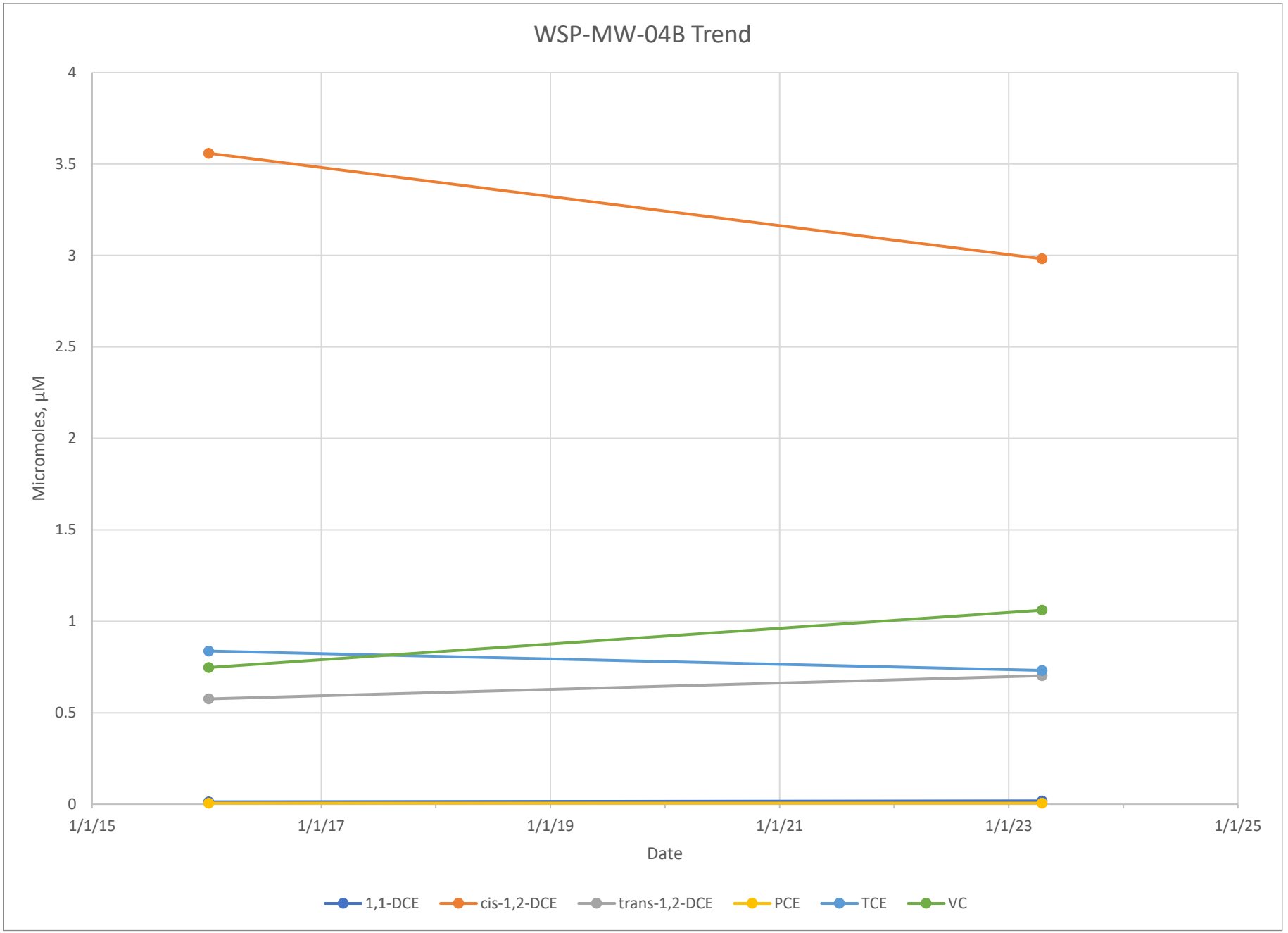

MW-32B Trend
Micromoles, µM
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

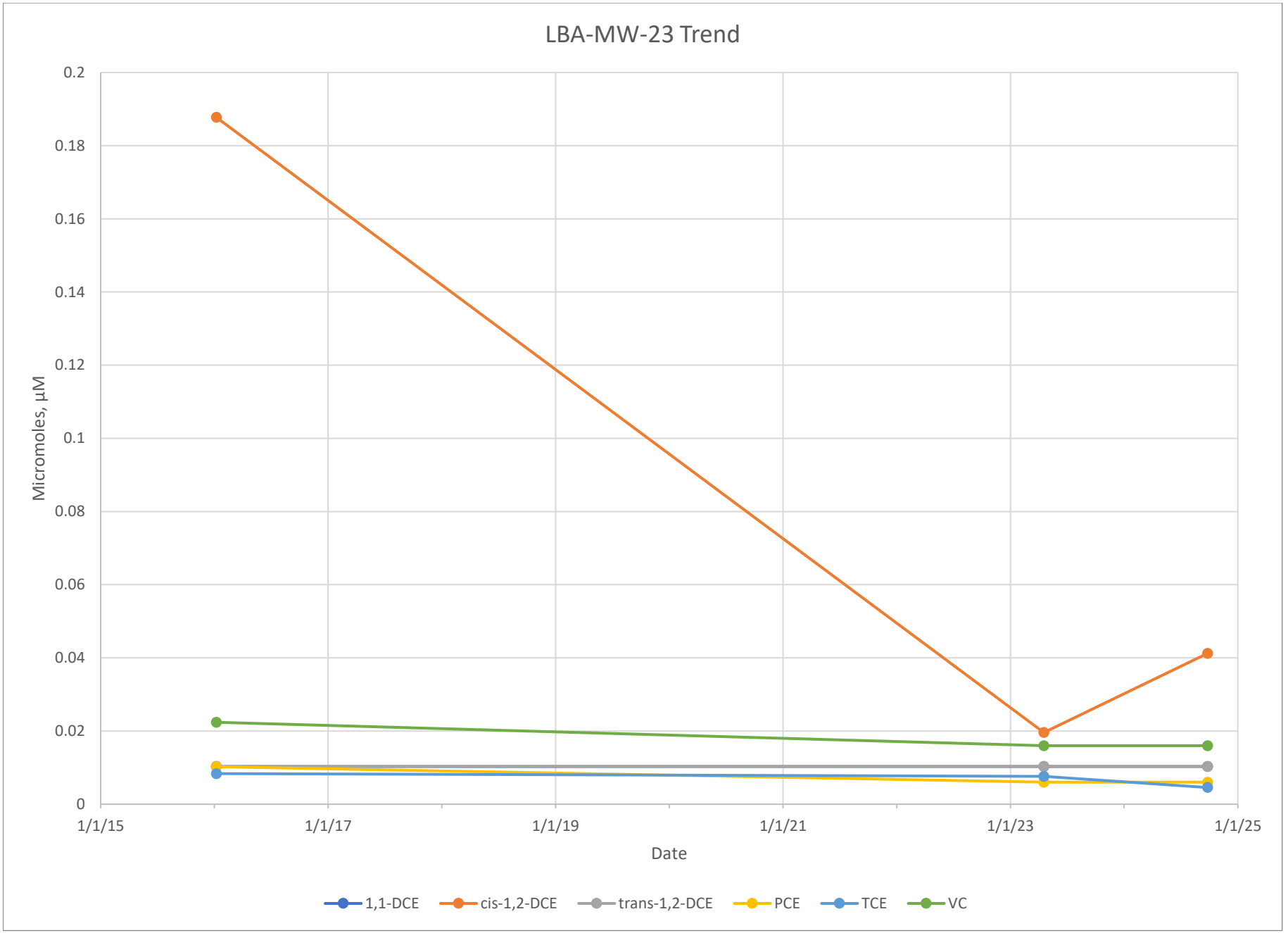

MW-40T Trend
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

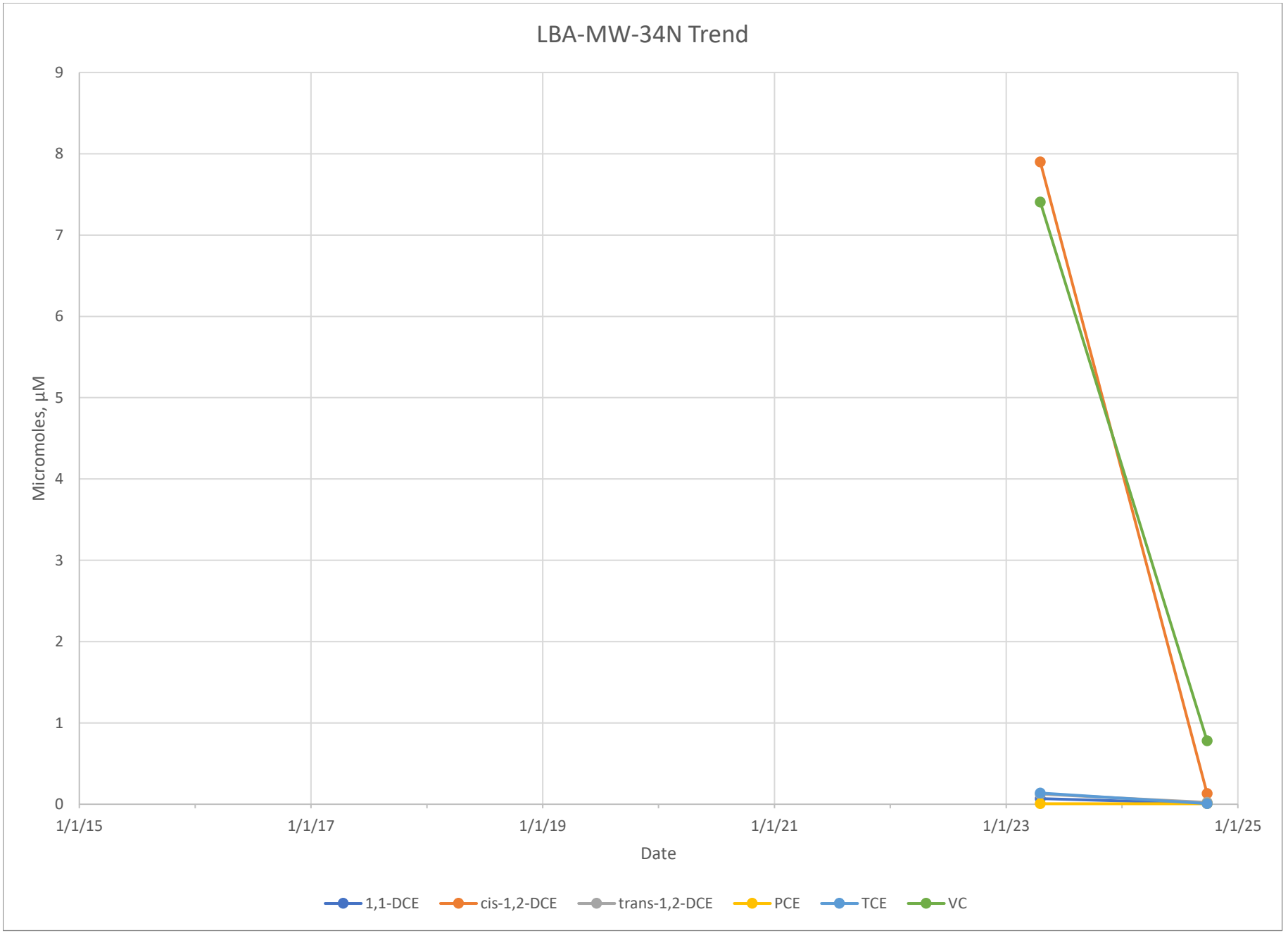

MW-46-43C Trend
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

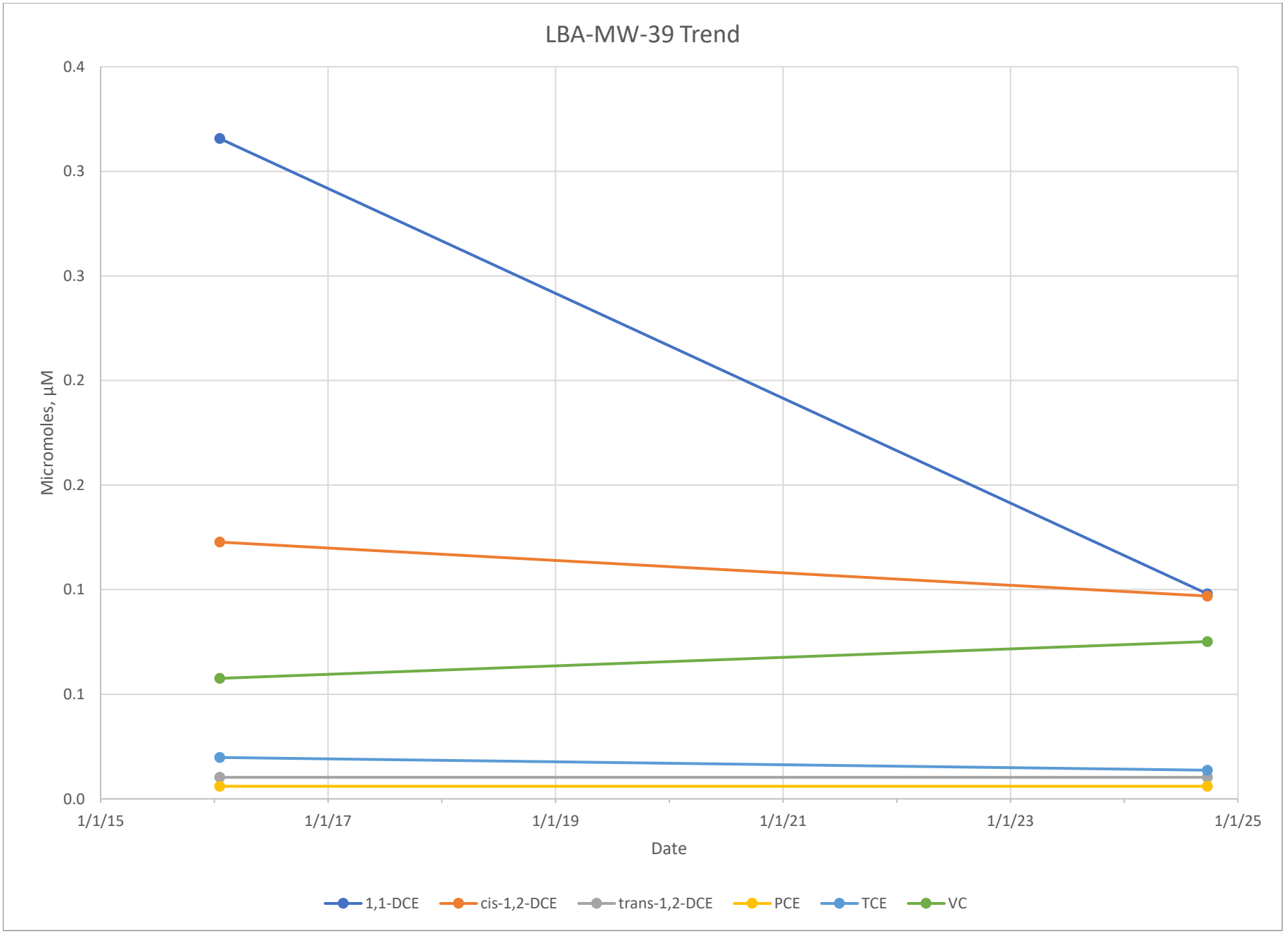

MW-46-72C Trend
700
600
500
400
300
200
100
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC


MW-50-160D Trend
60
50
40
30
20
10
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC


WSP-MW-04B Trend
Micromoles, µM
4
3.5
3
2.5
2
1.5
1
0.5
0
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC


LBA-MW-23 Trend
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC


LBA-MW-34N Trend
Micromoles, µM
9
8
7
6
5
4
3
2
1
0
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC


LBA-MW-39 Trend
0.4
0.3
0.3
0.2
0.2
0.1
0.1
0.0
Micromoles, µM
1/1/15
1/1/17
1/1/19
1/1/21
1/1/23
1/1/25
Date
1,1-DCE
cis-1,2-DCE
trans-1,2-DCE
PCE
TCE
VC

APPENDIX

J DATA USABILITY AND SUMMARY REPORTS

April 2024 DUSR

Data Usability Summary Report	Project: Former EPT Ithaca
Date Completed: December 30, 2024	Completed by: Christa Baker; Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- EPA Region 2 Data Validation SOPs
  - *SOP No. QA-HWSS-A-004, Rev. 0, Standard Operating Procedure for the Validation of Volatile Data*

The data validation was performed under Category B guidelines. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
31405608.001.02	JD86859	SGS North America Inc.

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
JD86859	WG	EXB-09	JD86859-1	04/17/24 11:10	MS/MSD	
JD86859	WG	EXB-10	JD86859-2	04/17/24 12:25		
JD86859	WG	MW-46-43C	JD86859-3	04/17/24 13:48		
JD86859	WG	MW-46-72C	JD86859-4	04/17/24 13:58		
JD86859	WG	MW-7B	JD86859-5	04/17/24 14:15		
JD86859	WG	MW-5-100	JD86859-6	04/17/24 14:26		
JD86859	WG	MW-50-160D	JD86859-7	04/17/24 14:30		
JD86859	WG	MW-5-40	JD86859-8	04/17/24 14:42		
JD86859	WG	MW-4B	JD86859-9	04/17/24 15:40		
JD86859	WG	MW-5B	JD86859-10	04/17/24 15:50		
JD86859	WG	MW-3B	JD86859-11	04/17/24 16:00		
JD86859	WG	MW-2B	JD86859-12	04/17/24 16:10		
JD86859	WG	MW-1B	JD86859-13	04/17/24 16:20		
JD86859	WQ	EB-041724	JD86859-14	04/17/24 12:00	EB	
JD86859	WG	MW-0424	JD86859-15	04/17/24 08:00	FD	
JD86859	WQ	TRIP BLANK	JD86859-16	04/17/24 16:20	TB	

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
JD86859	WG	8260D	Volatile Organic Compounds by GC/MS	14	N/FD
JD86859	WQ	8260D	Volatile Organic Compounds by GC/MS	1	EB
JD86859	WQ	8260D	Volatile Organic Compounds by GC/MS	1	TB

Data Usability Summary Report	Project: Former EPT Ithaca
Date Completed: December 30, 2024	Completed by: Christa Baker; Eridania Marte

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Samples were received by the laboratory on 4/19/2024 at a temperature of 0.7°C. There is no indication that the samples were frozen; therefore, no qualification were made.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/20 samples	1 field duplicate collected per 13 samples. 1 MS/MSD collected per 14 samples. 1 trip blank collected. 1 equipment blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4)
- LCS and ICV/CCV Outside Limits (Table 5)
- Reanalysis/Dilution Results (Table 6)
- Field Duplicate Results (Table 7)

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Volatile Organic Compounds – Method 8260D	
Description	**Notes and Qualifiers**
Any compounds present in method, trip, or, field blanks (see Table 2)?	No.
For samples, if results are < 5 times the blank or < 10 times the blank for common laboratory contaminants, then "U" flag data. Qualification also applies to TICs.	Not applicable.
Is Laboratory QC frequency at least one blank, LCS and MS/MSD with each batch?	Yes.
Is MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then "J" flag positive data in original sample due to matrix.	Yes. cis-1,2-Dichloroethene recovered below lower limits in the MS and MSD of sample MW-46-43C. The original sample result was greater than four times the spike amount; therefore, no qualifications were made. Vinyl chloride also recovered below lower limits in the same MS/MSD. The associated result was J qualified as estimated in the parent sample. Benzene, 1,2-dichloropropane, and trichloroethene exhibited precision outside limits in the MS/MSD pair for sample EXB-09. The associated results were non-detect and did not require qualification.
Is LCS within QC criteria (see Table 5)? If out, and the recovery is high with no positive values, then no data qualification is required.	No. trans-1,3-Dichloropropene recovered below the lower limits in LCS V1U2439-BS. The associated result was non-detect and was UJ qualified as estimated non-detect.
Is initial calibration for target compounds <20 %RSD or curve fit?? Is initial calibration verification for target compound <20 %D?	Yes.
Is %D in the continuing calibration for target compounds less than method specifications? (see Table 5B)	No. Bromomethane and trans-1,3-dichloropropene recovered outside limits in the CCV associated with batch V1U2439. The associated results were non-detect and were UJ qualified as estimated non-detect. Bromomethane and methyl acetate recovered outside limits in the CCV associated with batch V2U2439. The associated results were non-detect and were UJ qualified as estimated non-detect. 1,2-Dibromo-3-chloropropane, dichlorodifluoromethane, 4-methyl-2-pentanone, 2-hexanone, acetone, and 2-butanone recovered outside limits in the CCV associated with batch V4A189. The associated results were non-detect and were UJ qualified as estimated non-detect. 2-Hexanone, acetone, and 4-methyl-2-pentanone recovered outside limits in the CCV associated with batch V5A189. The associated results were non-

Volatile Organic Compounds – Method 8260D	
Description	**Notes and Qualifiers**
	detect and were UJ qualified as estimated non-detect. Acetone and bromomethane recovered outside limits in the CCV associated with batch VGA334. The associated results were non-detect and were UJ qualified as estimated non-detect. Bromomethane recovered outside limits in the CCV associated with batch VGB334. The associated results were non-detect and were UJ qualified as estimated non-detect.
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	Yes. Multiple samples were diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Summary of Findings

VOCs

- trans-1,3-Dichloropropene was UJ qualified in sample MW-3B due to low recovery in the associated LCS.
- Vinyl chloride was J qualified in sample MW-46-43C due to low recovery in the associated MS/MSD.
- Bromomethane and trans-1,3-dichloropropene were UJ qualified in sample MW-3B due to poor recovery in the associated CCV.
- Bromomethane and methyl acetate were UJ qualified in sample MW-2B due to poor recovery in the associated CCV.
- 2-Hexanone, acetone, and 4-methyl-2-pentanone were UJ qualified in samples MW-0424 and TRIP BLANK due to poor recovery in the associated CCV.
- Acetone and bromomethane were UJ qualified in samples MW-46-43C and MW-7B due to poor recovery in the associated CCV.
- Bromomethane was UJ qualified in samples EXB-10, MW-46-72C, and MW-5-100 due to poor recovery in the associated CCV.
- Multiple analytes were UJ qualified in multiple samples due to poor recovery in the associated CCV. See Table 5B for associated results.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits
None.

Table 4A – List of MS/MSD Recoveries outside Control Limits

Method	Sample ID	Sample Type	Analyte	Orig. Result	Spike Amount	MS Rec.	MSD Rec.	Low Limit	High Limit	Sample Qualifier
8260D	MW-46-43C	MS/MSD	cis-1,2-Dichloroethene	7800	1250	2	-13	52	140	None – 4X
			Vinyl chloride	4340	1250	38	30	41	156	J Flag

Table 4B – List of MS/MSD RPDs outside Control Limits

Method	Sample ID	Sample Type	Analyte	RPD	RPD Limit	Sample Qual.
8260D	EXB-09	MS/MSD	Benzene	13	12	None – High & ND
			1,2-Dichloropropane	14	12	None – High & ND
			Trichloroethene	13	12	None – High & ND

Table 5A – List of LCS Recoveries outside Control Limits

Method	Sample ID	Analyte	Rec.	Low Limit	High Limit	Associated Samples	Sample Qualifier
8260D	V1U2439-BS	trans-1,3-Dichloropropene	82	83	122	MW-3B	UJ Flag

Table 5B – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Rec.	%D Limit	Associated Samples	Sample Qualifier
8260D	V1U2439-CC2406	CCV	trans-1,3-Dichloropropene	20.5	20	MW-3B	UJ Flag
			Bromomethane	-21.1	20		UJ Flag
8260D	V2U2439-CC2406	CCV	Methyl acetate	21.5	20	MW-2B	UJ Flag
			Bromomethane	-40.2	20		UJ Flag
8260D	V4A189-CC136	CCV	Dichlorodifluoromethane	-20.5	20	MW-50-160D	UJ Flag

Method	Sample Name	Sample Type	Analyte	Rec.	%D Limit	Associated Samples	Sample Qualifier
			1,2-Dibromo-3-chloropropane	22.7	20	MW-5-40 EB-041724 EXB-09 MW-1B MW-4B MW-5B	UJ Flag
			2-Hexanone	33.5	20		UJ Flag
			Acetone	41.6	20		UJ Flag
			4-Methyl-2-pentanone(MIBK)	24.7	20		UJ Flag
			2-Butanone (MEK)	25.0	20		UJ Flag
8260D	V5A189-CC136	CCV	2-Hexanone	27.6	20	MW-0424 TRIP BLANK	UJ Flag
			Acetone	37.3	20		UJ Flag
			4-Methyl-2-pentanone(MIBK)	22.9	20		UJ Flag
8260D	VGA334-CC333	CCV	Acetone	-22.4	20	MW-46-43C MW-7B	UJ Flag
			Bromomethane	25.5	20		UJ Flag
8260D	VGB334-CC333	CCV	Bromomethane	23.3	20	EXB-10 MW-46-72C MW-5-100	UJ Flag

Table 6 –Samples that were Re-analyzed or Diluted

Sample ID	Lab ID	Method	Sample Type	Dilution	Action
MW-0424	JD86859-15	8260D	N	4X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-3B	JD86859-11	8260D	N	5X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-3B	JD86859-11	8260D	N	20X	Sample was diluted for cis-1,2-dichloroethene and trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-2B	JD86859-12	8260D	N	20X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-2B	JD86859-12	8260D	N	50X	Sample was diluted for trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-46-43C	JD86859-3	8260D	N	25X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-46-43C	JD86859-3	8260D	N	250X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-46-72C	JD86859-4	8260D	N	25X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.

Sample ID	Lab ID	Method	Sample Type	Dilution	Action
MW-46-72C	JD86859-4	8260D	N	250X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-50-160D	JD86859-7	8260D	N	4X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-5-40	JD86859-8	8260D	N	25X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-5-40	JD86859-8	8260D	N	250X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-5B	JD86859-10	8260D	N	10X	Sample was diluted for trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	MW-50-160D	MW-0424	RPD	RPD Rating	Sample Qualifier
8260D	cis-1,2-Dichloroethene	ug/l	WG	4	510	551	7.7%	Good	None
8260D	trans-1,2-Dichloroethene	ug/l	WG	4	4.1	5	19.8%	Good	None
8260D	Vinyl chloride	ug/l	WG	4	394	398	1.0%	Good	None

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
ICS	=	interference check standard
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
PQL	=	practical quantitation limit
QA	=	quality assurance
QC	=	quality control
RB	=	equipment rinse blank
RPD	=	relative percent difference
SDG	=	sample delivery group
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation

September 2024 DUSR

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- EPA Region 2 Data Validation SOPs
  - *SOP No. QA-HWSS-A-004, Rev. 0, Standard Operating Procedure for the Validation of Volatile Data*
  - *SOP No. QA-HWSS-A-010, Rev. 0, Standard Operating Procedure for the Validation of ICP-AES Data*
  - *SOP No. QA-HWSS-A-011, Rev. 0, Standard Operating Procedure for Validation of Mercury Data*
  - *SOP No. QA-HWSS-A-012, Rev. 0, Standard Operating Procedure for Validation of Cyanide Data*

The data validation was performed under Category B guidelines. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
31405608.001.02	JD97090 JD97091	SGS North America Inc.

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
JD97090	WQ	EB-092424	JD97090-8	09/24/2024 17:00	EB	
JD97090	WQ	EB-092524	JD97090-27	09/25/2024 17:30	EB	
JD97090	WQ	EB-092624	JD97090-43	09/26/2024 16:00	EB	
JD97090	WG	EW-13	JD97090-32	09/26/2024 09:50		
JD97090	WG	EW-14	JD97090-20	09/25/2024 16:30		
JD97090	WG	EXB-07	JD97090-2	09/24/2024 11:25		
JD97090	WG	EXB-09	JD97090-1	09/24/2024 10:12	MS/MSD	
JD97090	WG	EXB-10	JD97090-23	09/25/2024 16:45		
JD97090	WG	LBA-MW-18	JD97090-36	09/26/2024 10:46		
JD97090	WG	LBA-MW-23	JD97090-34	09/26/2024 10:30		
JD97090	WG	LBA-MW-26	JD97090-10	09/25/2024 10:24		
JD97090	WG	LBA-MW-30	JD97090-5	09/24/2024 13:57		
JD97090	WG	LBA-MW-34N	JD97090-41	09/26/2024 16:10		
JD97090	WG	LBA-MW-35	JD97090-39	09/26/2024 13:40		
JD97090	WG	LBA-MW-39	JD97090-12	09/25/2024 12:30		
JD97090	WG	LBA-MW-43N	JD97090-13	09/25/2024 13:46		
JD97090	WG	LBA-MW-43S	JD97090-19	09/25/2024 16:18		
JD97090	WG	MW-100	JD97090-28	09/25/2024 10:55	FD	
JD97090	WG	MW-101	JD97090-29	09/25/2024 12:34	FD	
JD97090	WG	MW-102	JD97090-30	09/25/2024 11:22	FD	
JD97090	WG	MW-103	JD97090-42	09/26/2024 14:22	FD	
JD97090	WG	MW-16-100	JD97090-3	09/24/2024 12:25		
JD97090	WG	MW-18A	JD97090-37	09/26/2024 11:00	MS/MSD	
JD97090	WG	MW-1B	JD97090-14	09/25/2024 14:10		
JD97090	WG	MW-20B	JD97090-18	09/25/2024 16:18		
JD97090	WG	MW-22B	JD97090-35	09/26/2024 10:40		
JD97090	WG	MW-2B	JD97090-15	09/25/2024 14:24		
JD97090	WG	MW-31B	JD97090-6	09/24/2024 14:35		
JD97090	WG	MW-32B	JD97090-4	09/24/2024 13:19		

Data Usability Summary Report	Project: Former EPT Ithaca
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Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
JD97090	WG	MW-3B	JD97090-44	09/25/2024 15:06		
JD97090	WG	MW-40T	JD97090-33	09/26/2024 10:15		
JD97090	WG	MW-44T	JD97090-16	09/25/2024 15:00		
JD97090	WG	MW-46-43C	JD97090-22	09/25/2024 16:45		
JD97090	WG	MW-46-72C	JD97090-24	09/25/2024 16:53		
JD97090	WG	MW-4B	JD97090-31	09/26/2024 09:15	MS/MSD	
JD97090	WG	MW-5-100	JD97090-26	09/25/2024 17:22		
JD97090	WG	MW-5-40	JD97090-25	09/25/2024 17:10		
JD97090	WG	MW-5B	JD97090-45	09/26/2024 15:20		
JD97090	WG	MW-7-40	JD97090-7	09/24/2024 15:00		
JD97090	WG	MW-7B	JD97090-21	09/25/2024 16:37		
JD97090	WG	MW-8-40	JD97090-17	09/25/2024 15:49		
JD97090	WG	MWA-50-160D	JD97090-40	09/26/2024 15:00		
JD97090	WQ	TB-092624	JD97090-46	09/26/2024 16:10	TB	
JD97090	WG	WSP-MW-04B	JD97090-9	09/25/2024 09:50		
JD97090	WG	WSP-MW-06C	JD97090-11	09/25/2024 12:20		
JD97090	WG	WSP-MW-08B	JD97090-38	09/26/2024 11:05		
JD97091	WG	EW-01-62C	JD97091-6	09/27/2024 09:40		
JD97091	WG	EW-02-62C	JD97091-7	09/27/2024 09:45		
JD97091	WG	EW-03-60C	JD97091-8	09/27/2024 09:50		
JD97091	WG	EW-04-25B	JD97091-9	09/27/2024 09:55		
JD97091	WG	EW-05-25B	JD97091-10	09/27/2024 10:00		
JD97091	WG	EW-06-60C	JD97091-11	09/27/2024 10:05		
JD97091	WG	EW-07-25B	JD97091-12	09/27/2024 10:10		
JD97091	WG	EW-08-62C	JD97091-13	09/27/2024 10:15		
JD97091	WG	EW-09R-72C	JD97091-3	09/27/2024 08:45		
JD97091	WG	EW-10-25B	JD97091-14	09/27/2024 10:20		
JD97091	WG	EW-11-43C	JD97091-4	09/27/2024 08:50		
JD97091	WG	EW-12-45C	JD97091-5	09/27/2024 08:55		
JD97091	WG	LBA-MW-08	JD97091-2	09/26/2024 14:07		
JD97091	WG	MW-19B	JD97091-1	09/26/2024 10:55		
JD97091	WQ	TRIP BLANK	JD97091-15	09/27/2024 10:20	TB	TRIP BLANK-092724

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
JD97090	WG	8260D	Volatile Organic Compounds by GC/MS	42	N/FD
JD97090	WQ	8260D	Volatile Organic Compounds by GC/MS	3	EB
JD97090	WQ	8260D	Volatile Organic Compounds by GC/MS	1	TB
JD97090	WG	E200.7	Metals in Water by ICP-AES	11	N/FD
JD97090	WQ	E200.7	Metals in Water by ICP-AES	2	EB
JD97090	WG	E245.1	Mercury in Water by CVAA	1	N
JD97090	WG	E335.4	Cyanide by Semi-Automated Colorimetry	9	N/FD
JD97090	WQ	E335.4	Cyanide by Semi-Automated Colorimetry	2	EB
JD97091	WG	8260D	Volatile Organic Compounds by GC/MS	12	N
JD97091	WQ	8260D	Volatile Organic Compounds by GC/MS	1	TB
JD97091	WG	E335.4	Cyanide by Semi-Automated Colorimetry	2	N

Data Usability Summary Report	Project: Former EPT Ithaca
Date Completed: December 30, 2024	Completed by: Christa Baker; Eridania Marte

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes. Sample EW-07-25B was received with pH of 3 for volatiles. The temperature was maintained at <6°C and the analysis was performed within holding time; therefore, no qualifications were made.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/20 samples	4 field duplicates collected per 52 samples. 3 MS/MSDs collected per 52 samples. 2 trip blanks collected. 3 equipment blanks collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4)
- LCS and ICV/CCV Outside Limits (Table 5)
- Reanalysis/Dilution Results (Table 6)
- Field Duplicate Results (Table 7)

Go to Tables List

Volatile Organic Compounds – Method 8260D	
Description	**Notes and Qualifiers**
Any compounds present in method, trip, or, field blanks (see Table 2)?	Yes.
For samples, if results are < 5 times the blank or < 10 times the blank for common laboratory contaminants, then "U" flag data. Qualification also applies to TICs.	Acetone and 2-butanone were detected below the PQL in EB-092424. The associated samples were non-detect for these analytes; therefore, no qualifications were made. Acetone was detected below the PQL in method blank V2X8938-MB. The associated results were non-detect; therefore, no qualifications were made.
Are surrogates for method blanks and LCS within limits?	No. 4-Bromofluorobenzene recovered above upper limits in V2X8938-BS. Associated spike recoveries were within limits. No qualifications were made.
Are surrogates for samples and MS/MSD within limits? (See Table 3). If not, were all samples reanalyzed for VOCs? Semivolatile samples should reanalyzed if more than one base-neutral and/or more than one acid phase compound for semivolatiles is out. Matrix effects should be established.	No. 4-Bromofluorobenzene recovered above upper limits in the MSDs of samples EW-04-25B and EW-05-25B. No qualifications were made based on surrogate recovery.
Is Laboratory QC frequency at least one blank, LCS and MS/MSD with each batch?	Yes.
Is MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then “J” flag positive data in original sample due to matrix.	No. cis-1,2-Dichloroethene and trichloroethene recovered below lower limits in the MS/MSD for sample MW-3B. The original sample results were greater than four times the spike amount; therefore, no qualifications were made. Multiple analytes recovered below lower limits due to matrix interference in the MS/MSD for sample EXB-09. The associated analytes were non-detect and were UJ qualified as estimated non-detect. Multiple analytes recovered below lower limits due to matrix interference in the MS/MSD for sample EXB-07. cis-1,2-Dichloroethene also recovered outside limits due to the original sample result being greater than four times the spike amount, and therefore was not qualified. All other associated analytes were non-detect and were UJ qualified as estimated non-detect. Trichlorofluoromethane recovered above upper limits in the MS/MSD for sample MW-4B. The associated result was non-detect and did not require qualification. Chloromethane exhibited poor precision between the MS and MSD of sample EW-04-25B. The associated

Volatile Organic Compounds – Method 8260D	
Description	**Notes and Qualifiers**
	result was non-detect; therefore, no qualifications were made. Trichloroethene recovered below lower limits in the MS and MSD of sample EW-04-25B. The associated result was J qualified as estimated in the parent sample.
Is LCS within QC criteria (see Table 5)? If out, and the recovery is high with no positive values, then no data qualification is required.	No. Carbon disulfide, 1,1-dichloroethene, and cis-1,2-dichloroethene recovered above upper limits in the LCS associated with batch V1X8939. Associated detections were J qualified as estimated. Associated non-detects did not require qualification. Trichlorofluoromethane recovered above upper limits in the LCS associated with batch V2K522. Associated results were non-detect; therefore, no qualifications were made.
Do internal standards areas and retention time meet criteria?	No. Tert butyl alcohol-d9 was outside control limits in sample LBA-MW-39. No associated compounds were reported under this internal standard; therefore, no qualifications were made.
Is initial calibration for target compounds <20 %RSD or curve fit?? Is initial calibration verification for target compound <20 %D?	Yes.
Is %D in the continuing calibration for target compounds less than method specifications? (see Table 5B)	No. Multiple analytes recovered outside limits in multiple CCVs. If the associated results had positive detections, the results were J qualified as estimated. If they were non-detect, they were UJ qualified as estimated non-detect.
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	Yes. Multiple samples were diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
Do field duplicate results show good precision for all compounds (see Table 7)?	No. All results in sample MW-8-40 and field duplicate MW-100 were non-detect; therefore, precision could not be evaluated. Vinyl chloride exhibited poor precision of over 100% between sample MW-46-72C and field duplicate MW-101. This analyte was J qualified as estimated in both the parent sample and the field duplicate.

Metals by ICP/AES – Method E200.7	
Description	**Notes and Qualifiers**
Are any compounds present in method and field blanks as noted on Table 2?	No.
For samples, if results are < 5 times the blank then "U" flag data.	Not Applicable.
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 4)? QC limits are not applicable to sample results greater than 4 times spike amount.	No. Arsenic, barium, cadmium, chromium, lead, and selenium exhibited poor precision between the MS/MSD for sample WSP-MW-04B. The non-detected results were not qualified. Barium was J qualified as estimated in the parent sample.
Were elements recovered ≤30%? If so, "R" flag associated NDs.	No.
Is LCS within QC criteria (see Table 5)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	No.
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes. The RPD for lead was outside control limits for the serial dilution of sample WSP-MW-04B. However, the percent difference is considered acceptable due to low initial sample concentration (< 50 times instrument detection limit).
Is calibration low level verification (CCVL) within QC criteria of 70-130% recovery? If not was sample re-analyzed to establish criteria?	Yes.
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Acceptable.
Spot check ICV 95-105%. Contact lab if unacceptable.	Acceptable.
Spot check CCV 90-110%. Contact lab if unacceptable.	Acceptable.
Spot check ICB and CCB +/- RL. Contact lab if unacceptable.	Acceptable.
Do field duplicate results show good precision for all compounds (see Table 6)?	Yes.

Mercury by CVAA – Method E245.1	
Description	**Notes and Qualifiers**
Any compounds present in method, trip, or, field blanks (see Table 2)?	No.
For samples, if results are < 5 times the blank or < 10 times the blank for common laboratory contaminants, then "U" flag data. Qualification also applies to TICs.	Not Applicable.
Is Laboratory QC frequency at least one blank, LCS and MS/MSD with each batch?	Yes.

Mercury by CVAA – Method E245.1	
Description	**Notes and Qualifiers**
Is MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then "J" flag positive data in original sample due to matrix.	Yes.
Is LCS within QC criteria (see Table 5)? If out, and the recovery is high with no positive values, then no data qualification is required.	Yes.
Do internal standards areas and retention time meet criteria? If not was sample re-analyzed to establish matrix (see Table 6)?	Yes.
Is there one serial dilution for each analytical batch?	Yes.
Is initial calibration for target compounds <10 %RSD or curve fit? Is initial calibration verification for target compound <20 %D?	Yes.
Spot check CRA/ICVL/CCVL 70-130%. Contact lab if unacceptable.	Acceptable.
Spot check ICV 90-110%. Contact lab if unacceptable.	Acceptable.
Spot check CCV 80-120%. Contact lab if unacceptable.	Acceptable.
Is %D in the continuing calibration for target compounds less than method specifications?	Yes.
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	No.
Do field duplicate results show good precision for all compounds (see Table 7)?	Not applicable.

Cyanide by Colorimetric – Method E335.4	
Description	**Notes and Qualifiers**
Any compounds present in method, trip, or, field blanks (see Table 2)?	No.
For samples, if results are < 5 times the blank or < 10 times the blank for common laboratory contaminants, then "U" flag data. Qualification also applies to TICs.	Not applicable.
Is Laboratory QC frequency at least one blank, LCS and MS/MSD with each batch?	Yes.
Is MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then "J" flag positive data in original sample due to matrix.	Yes.
Is LCS within QC criteria (see Table 5)? If out, and the recovery is high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <10 %RSD or curve fit? Is initial calibration verification for target compound <20 %D?	Yes.
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.
Spot check CCV 80-120%. Contact lab if unacceptable.	Yes.

Cyanide by Colorimetric – Method E335.4	
Description	**Notes and Qualifiers**
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	Yes. Samples LBA-MW-43N, LBA-MW-08, and MW-19B were diluted for cyanide. Elevated reporting limits are provided. There is no impact on data usability.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Summary of Findings

VOCs

- Nine analytes were UJ qualified in sample EXB-09 due to poor recovery in the associated MS/MSD. See Table 4A for associated analytes.
- Five analytes were UJ qualified in sample EXB-07 due to poor recovery in the associated MS/MSD. See Table 4A for associated analytes.
- cis-1,2-Dichloroethene was J qualified in six samples due to poor recovery in the associated LCS. See Table 5A for associated samples.
- 1,1-Dichloroethene was J qualified in samples MW-101, MW-1B, and MW-40T due to poor recovery in the associated LCS.
- Multiple analytes were J/UJ qualified in multiple samples due to poor recovery in the associated CCV. See Table 5B for associated results.
- Vinyl chloride was J qualified in samples MW-46-72C and MW-101 due to poor precision between the field duplicate pair.
- Trichloroethene was J qualified in sample EW-04-25B due to poor recovery in the associated MS/MSD.

Metals

- Barium was J qualified in WSP-MW-04B due to poor precision between the associated MS and MSD.

Mercury

- None.

Cyanide

- None.

Table 2 - List of Positive Results for Blank Samples

Method	Sample ID	Sample Type	Analyte	Result	Qualifier	Units	MDL	PQL
8260D	EB-092424	EB	Acetone	7.2	J	ug/L	3.1	10
8260D	EB-092424	EB	2-Butanone (MEK)	3.7	J	ug/L	2.7	10
8260D	V2X8938-MB	MB	Acetone	3.9	J	ug/L	3.1	10

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits
None.

Table 4A – List of MS/MSD Recoveries outside Control Limits

Method	Sample ID	Sample Type	Analyte	Orig. Result	Spike Amount	MS Rec.	MSD Rec.	Low Limit	High Limit	Sample Qualifier
8260D	MW-3B	MS/MSD	cis-1,2-Dichloroethene	9510	1000	-56	-50	52	140	None – 4X
			Trichloroethene	5600	1000	25	29	56	136	None – 4X
8260D	EXB-09	MSD	Carbon disulfide	ND	200	104	42	54	136	UJ Flag
		MSD	Chloroethane	ND	50	52	43	48	152	UJ Flag
		MSD	1,1-Dichloroethene	ND	50	64	52	59	133	UJ Flag
		MSD	trans-1,2-Dichloroethene	ND	50	111	44	70	125	UJ Flag
		MSD	Freon 113	ND	50	66	49	61	142	UJ Flag
		MSD	Methyl Acetate	ND	50	110	40	51	139	UJ Flag
		MSD	Methyl Tert Butyl Ether	ND	50	107	47	66	124	UJ Flag
		MSD	Methylene chloride	ND	50	106	40	66	125	UJ Flag
		MSD	Trichlorofluoromethane	ND	50	66	51	61	145	UJ Flag
8260D	EXB-07	MS	Carbon disulfide	ND	250	42	105	54	136	UJ Flag
		MS	1,1-Dichloroethene	ND	250	50	112	59	133	UJ Flag
		MS/MSD	cis-1,2-Dichloroethene	1170	150	40	44	52	140	None – 4X
		MS	Freon 113	ND	250	48	102	61	142	UJ Flag
		MS	Methylene chloride	ND	250	47	101	66	125	UJ Flag
		MS/MSD	Trichlorofluoromethane	ND	250	59	55	61	145	UJ Flag
8260D	MW-4B	MS/MSD	Trichlorofluoromethane	ND	50	168	181	61	145	None – High & ND
8260D	EW-04-25B	MS/MSD	Trichloroethene	2070	1250	51	52	56	136	J Flag

Table 4B – List of MS/MSD RPDs outside Control Limits

Method	Sample ID	Sample Type	Analyte	RPD	RPD Limit	Sample Qual.
8260D	EXB-09	MS/MSD	Acetone	94	19	None – ND
		MS/MSD	Carbon disulfide	84	16	None – ND
		MS/MSD	Chloroethane	19	17	None – ND
		MS/MSD	Dichlorodifluoromethane	30	16	None – ND
		MS/MSD	1,1-Dichloroethene	20	15	None – ND
		MS/MSD	trans-1,2-Dichloroethene	87	13	None – ND
		MS/MSD	Freon 113	30	14	None – ND
		MS/MSD	Methyl Acetate	92	18	None – ND
		MS/MSD	Methyl Tert Butyl Ether	77	12	None – ND
		MS/MSD	Methylene chloride	92	14	None – ND
		MS/MSD	Trichlorofluoromethane	26	16	None – ND
8260D	EXB-07	MS/MSD	Acetone	71	19	None – ND
		MS/MSD	Carbon disulfide	86	16	None – ND
		MS/MSD	1,1-Dichloroethene	76	15	None – ND
		MS/MSD	Freon 113	72	14	None – ND
		MS/MSD	Methylene chloride	73	14	None – ND
E200.7	WSP-MW-04B	MS/MSD	Arsenic	11.1	10	None – ND
		MS/MSD	Barium	11.4	10	J Flag
		MS/MSD	Cadmium	11.3	10	None – ND
		MS/MSD	Chromium	11.6	10	None – ND
		MS/MSD	Lead	11.9	10	None – ND
		MS/MSD	Selenium	11.0	10	None – ND
8260D	EW-04-25B	MS/MSD	Chloromethane	23	18	None – ND

Table 5A – List of LCS Recoveries outside Control Limits

Method	Sample ID	Analyte	Rec.	Low Limit	High Limit	Associated Samples	Sample Qualifier
8260D	V1X8939-BS	Carbon disulfide	131	64	130	EW-14 EXB-07 MW-101	None – High & ND
		cis-1,2-Dichloroethene	122	80	120	MW-1B MW-40T MW-46-43C	J Flag
		1,1-Dichloroethene	125	70	124	MW-101 MW-1B MW-40T	J Flag

Method	Sample ID	Analyte	Rec.	Low Limit	High Limit	Associated Samples	Sample Qualifier
						EW-14 EXB-07 MW-46-43C	None – High & ND
8260D	V2K522-BS	Trichlorofluoromethane	144	67	134	MW-4B MW-5-40	None – High & ND

Table 5B – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Rec.	%D Limit	Associated Samples	Sample Qualifier
8260D	V1T330-CC290	CCV	Bromomethane	-30.9	20	MW-20B MW-101	UJ Flag
8260D	V1U2560-CC2463	CCV	Chloromethane	-20.3	20	EXB-09 MW-16-100 MW-7-40 MW-1B MW-7B MW-2B MW-46-72C MW-5-100 EW-13	UJ Flag
8260D	V1X8939-CC8906	CCV	1,2,4-Trichlorobenzene	-22.2	20	MW-40T EW-14 MW-1B EXB-07 MW-46-43C MW-101	UJ Flag
			Carbon disulfide	-24.8	20		
			Chloroethane	-25.2	20		
			Acetone	-27.7	20		
			Chloromethane	-26.4	20		
			Dichlorodifluoromethane	-42.9	20		
			Freon 113	-22.6	20		
			Trichlorofluoromethane	-20.1	20		
8260D	V2K522-CC502	CCV	Trichlorofluoromethane	-45.9	20	MW-4B MW-5-40	UJ Flag
8260D	V2U2560-CC2463	CCV	2-Hexanone	-21.7	20	EB-092424 MW-2B	UJ Flag

Method	Sample Name	Sample Type	Analyte	Rec.	%D Limit	Associated Samples	Sample Qualifier
			4-Methyl-2-pentanone(MIBK)	-22.3	20	MW-32B LBA-MW-39 MW-8-40 EXB-07 EXB-10 MW-100 LBA-MW-23	UJ Flag
			Chloromethane	-38.5	20		UJ Flag
			Chloroethane	-21.6	20	LBA-MW-39	J Flag
						EB-092424 MW-2B MW-32B MW-8-40 EXB-07 EXB-10 MW-100 LBA-MW-23	UJ Flag
			Vinyl chloride	-27.6	20	EXB-07 LBA-MW-39 MW-2B	J Flag
						EB-092424 MW-32B MW-8-40 EXB-10 MW-100 LBA-MW-23	UJ Flag
8260D	V1X8938-CC8906	CCV	2-Butanone (MEK)	-20.5	20	EW-09R-72C EW-12-45C EW-02-62C EW-04-25B EW-06-60C EW-08-62C TRIP BLANK-092724	UJ Flag
			Acetone	-40.0	20		
8260D	V2X8938-CC8906	CCV	Bromomethane	21.4	20	EW-11-43C EW-01-62C EW-05-25B EW-07-25B	UJ Flag

Table 6 –Samples that were Re-analyzed or Diluted

Sample ID	Lab ID	Method	Sample Type	Dilution	Action
EXB-07	JD97090-2	8260D	N	5X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EXB-07	JD97090-2	8260D	N	50X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-101	JD97090-29	8260D	N	20X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-101	JD97090-29	8260D	N	100X	Sample was diluted for cis-1,2-dichloroethene and trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-103	JD97090-42	8260D	N	5X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-103	JD97090-42	8260D	N	50X	Sample was diluted for cis-1,2-dichloroethene and vinyl chloride. Elevated reporting limits are provided. There is no impact on data usability.
MW-1B	JD97090-14	8260D	N	10X	Sample was diluted for cis-1,2-dichloroethene and trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-2B	JD97090-15	8260D	N	20X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-2B	JD97090-15	8260D	N	200X	Sample was diluted for cis-1,2-dichloroethene and trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-3B	JD97090-44	8260D	N	20X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-3B	JD97090-44	8260D	N	200X	Sample was diluted for cis-1,2-dichloroethene and trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-40T	JD97090-33	8260D	N	10X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-40T	JD97090-33	8260D	N	100X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-46-43C	JD97090-22	8260D	N	50X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-46-43C	JD97090-22	8260D	N	500X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-46-72C	JD97090-24	8260D	N	50X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MW-5-40	JD97090-25	8260D	N	50X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.

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Sample ID	Lab ID	Method	Sample Type	Dilution	Action
MW-5-40	JD97090-25	8260D	N	500X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-5B	JD97090-45	8260D	N	10X	Sample was diluted for trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MW-5B	JD97090-45	8260D	N	100X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
MWA-50-160D	JD97090-40	8260D	N	5X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
MWA-50-160D	JD97090-40	8260D	N	50X	Sample was diluted for cis-1,2-dichloroethene and vinyl chloride. Elevated reporting limits are provided. There is no impact on data usability.
LBA-MW-43N-	JD97090-13	E335.4	N	6X	Sample was diluted for cyanide. Elevated reporting limits are provided. There is no impact on data usability.
EW-01-62C	JD97091-6	8260D	N	5X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-01-62C	JD97091-6	8260D	N	50X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
EW-02-62C	JD97091-7	8260D	N	20X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-03-60C	JD97091-8	8260D	N	5X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-03-60C	JD97091-8	8260D	N	50X	Sample was diluted for cis-1,2-dichloroethene and trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
EW-04-25B	JD97091-9	8260D	N	5X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-04-25B	JD97091-9	8260D	N	25X	Sample was diluted for cis-1,2-dichloroethene and trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
EW-05-25B	JD97091-10	8260D	N	25X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-06-60C	JD97091-11	8260D	N	5X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-06-60C	JD97091-11	8260D	N	50X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
EW-07-25B	JD97091-12	8260D	N	5X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-07-25B	JD97091-12	8260D	N	200X	Sample was diluted for cis-1,2-dichloroethene and vinyl chloride. Elevated reporting limits are provided. There is no impact on data usability.

Data Usability Summary Report	Project: Former EPT Ithaca
Date Completed: December 30, 2024	Completed by: Christa Baker; Eridania Marte

Sample ID	Lab ID	Method	Sample Type	Dilution	Action
EW-08-62C	JD97091-13	8260D	N	10X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-08-62C	JD97091-13	8260D	N	100X	Sample was diluted for cis-1,2-dichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
EW-09R-72C	JD97091-3	8260D	N	100X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-09R-72C	JD97091-3	8260D	N	250X	Sample was diluted for trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
EW-10-25B	JD97091-14	8260D	N	10X	Sample was diluted for cis-1,2-dichloroethene and trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
EW-11-43C	JD97091-4	8260D	N	50X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
EW-11-43C	JD97091-4	8260D	N	250X	Sample was diluted for cis-1,2-dichloroethene and trichloroethene. Elevated reporting limits are provided. There is no impact on data usability.
EW-12-45C	JD97091-5	8260D	N	50X	Sample was diluted due to high concentrations of target compounds. Elevated reporting limits are provided, which may impact data usability for non-detects.
LBA-MW-08	JD97091-2	E335.4	N	20X	Sample was diluted for cyanide. Elevated reporting limits are provided. There is no impact on data usability.
MW-19B	JD97091-1	E335.4	N	60X	Sample was diluted for cyanide. Elevated reporting limits are provided. There is no impact on data usability.

Table 7A – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	MW-46-72C	MW-101	RPD	RPD Rating	Sample Qualifier
8260D	cis-1,2-Dichloroethene	ug/L	WG	50	6020	8740	36.9%	Good	None
8260D	trans-1,2-Dichloroethene	ug/L	WG	50	ND	23.9	NC	Poor	None - <2X PQL
8260D	Vinyl chloride	ug/L	WG	50	160	676	123.4%	Poor	J Flag
8260D	1,1-Dichloroethene	ug/L	WG	50	ND	22.4	NC	Poor	None - <2X PQL
8260D	Trichloroethene	ug/L	WG	50	6830	4610	38.8%	Good	None

Method	Analyte	Unit	Matrix	PQL	MW-44T	MW-102	RPD	RPD Rating	Sample Qualifier
E200.7	Barium	ug/L	WG	200	2420	3090	24.3%	Good	None
E335.4	Cyanide	mg/L	WG	0.01	0.028	0.033	16.4%	Good	None

Method	Analyte	Unit	Matrix	PQL	MWA-50-160D	MW-103	RPD	RPD Rating	Sample Qualifier
8260D	trans-1,2-Dichloroethene	ug/L	WG	5	8.6	7.4	15.0%	Good	None
8260D	1,1-Dichloroethene	ug/L	WG	5	4.1	3.6	13.0%	Good	None
8260D	Trichloroethene	ug/L	WG	5	4.1	4.5	9.3%	Good	None
8260D	cis-1,2-Dichloroethene	ug/L	WG	50	2440	2400	1.7%	Good	None
8260D	Vinyl chloride	ug/L	WG	50	1250	1260	0.8%	Good	None

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
ICS	=	interference check standard
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
PQL	=	practical quantitation limit
QA	=	quality assurance
QC	=	quality control
RB	=	equipment rinse blank
RPD	=	relative percent difference
SDG	=	sample delivery group
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation

APPENDIX

K MONITORING WELL PURGE FORMS

April 2024 Purge Forms

WSP
13530 Dulles Technology Dr. Ste. 300
Herndon, Va 20171
(703) 709-6500

Groundwater Sampling Monitoring Form

Well ID	EXB-09	Site ID	Former EPT Ithaca	Sample Date	4/17/24
Well Diameter	4 in	Sampling Event	Semi-Annual GW Sampling Event		
Depth to Water	49.04 ft btoc	Samplers	EJM		
Total Well Depth	63.30 ft btoc	Weather Conditions	50's Mostly Cloudy		
Screen Interval	ft bgs	Notes			
Intake Depth	43 ft btoc				

Instruments Used: ☐ Peristaltic ☒ 2" Bladder ☐ PDB ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Start purge @ ~~0936~~ 1010 | End purge @ 1122 | Final Flow Rate 50mL/min | HACH Kit Reading ____

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1019	49.15	14.41	6.62	-35	1.77	0.0	4.37	100	0	Clear
1024	49.21	14.33	6.74	-82	1.77	0.0	1.87	50	0.250	Clear
1029	49.26	13.80	6.93	-95	1.80	0.0	1.05	50	0.500	Clear
1034	49.32	14.07	7.02	-98	1.81	0.0	0.53	50	0.750	Clear
1039	49.44	13.53	7.14	-101	1.80	0.0	0.05	50	1.00	Clear
1044	49.48	13.64	7.17	-100	1.80	0.0	0.00	50	1.25	Clear
1049	49.53	13.30	7.22	-103	1.82	0.0	0.34	50	1.50	Clear
1054	49.56	13.20	7.24	-103	1.82	0.0	0.05	50	1.75	Clear
1059	49.60	13.02	7.28	-104	1.82	0.0	0.00	50	2.0	Clear
1104	49.71	12.95	7.32	-106	1.83	0.0	0.00	50	2.25	Clear
1109	49.76	13.02	7.27	-105	1.82	0.0	0.00	50	2.50	Clear

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
EXB-09	VOCs	G	HCl	VOA	SGS	Unfiltered	1110	
EXB-09/MS/MSD	VOCs	G	HCl	VOA	SGS	Unfiltered	1110	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD	EXB-09-MS/MSD	1110
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☒ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

WSP
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Groundwater Sampling Monitoring Form

Well ID	EXB-1D	Site ID	Former EPT Ithaca	Sample Date	4/17/24
Well Diameter	4 in	Sampling Event	Semi-Annual GW		
Depth to Water	43.49 ft btoc	Samplers	VGG		
Total Well Depth	63.63 ft btoc	Weather Conditions	58°, Cloudy		
Screen Interval	ft bgs	Notes			
Intake Depth	60 ft btoc				

Instruments Used: ☐ Peristaltic ☒ 2" Bladder ☐ PDB ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☒ Other: Bladder

Instrument Calibration Information

Notes on Calibration:

Well Purging Information

Start purge @ 1130 | End purge @ 1229 | Final Flow Rate 50 mL/min | HACH Kit Reading

Time	DTW (ft bloc)	Temperature (°C) 3%	± pH 0.1 (S.U.)	± ORP 10 (mV)	Conductivity 3% (mS/cm)	Turbidity <5 NTU (NTU)	DO 10% or <0.5 (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1138	43.55	15.73	6.39	29	2.53	≈4.5	7.45	50	~~1.00~~ 0.25	Clear
1143	43.63	14.72	7.03	-71	2.49	5.2	3.67	50	0.50	Clear
1148	43.71	14.57	7.10	-74	2.49	4.8	3.33	50	0.75	Clear
1153	43.83	14.51	7.13	-80	2.45	4.3	1.24	50	1.0	Clear
1158	43.92	14.17	7.12	-93	2.45	4.6	0.11	50	1.25	Clear
1203	4401	14.19	7.10	-[illegible]101	2.43	4.2	0.0	50	1.50	Clear
1208	44.12	13.87	7.08	-109	2.45	4.2	0.0	50	1.75	Clear
1213	44.20	13.87	7.10	-113	2.45	4.7	0.0	50	2.00	Clear
1218	44.20	13.87	7.10	-117	2.44	4.4	0.0	50	2.25	Clear
1223	44.22	13.73	7.10	-119	2.45	4.2	0.0	50	2.50	Clear
1225	Sample									

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3 VOAs	VOC TCL 42 VOCs	Grab	HCl	VOAs	SGS	Unfiltered	1225	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

WSP
13530 Dulles Technology Dr. Ste. 300
Herndon, Va 20171
(703) 709-6500

Groundwater Sampling Monitoring Form

Well ID	MW-50-1600	Site ID	Former EPT Ithaca	Sample Date	4/17/24
Well Diameter	4 in	Sampling Event	Semi-Annual GW Sampling		
Depth to Water	125.06 ft btoc	Samplers	EJM		
Total Well Depth	ft btoc	Weather Conditions	58° Light rain		
Screen Interval	ft bgs	Notes			
Intake Depth	ft btoc				

Instruments Used: ☐ Peristaltic ☒ 2" Bladder ☐ PDB ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other _____

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Start purge @ 1327 | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1339	125.40	14.12	7.56	-33	2.59	0.0	7.66	0.75	0	Clear
1344	125.51	14.35	7.76	-67	2.61	0.0	4.21	75		Clear
1349	125.51	13.62	7.88	-89	2.67	0.0	1.71	75		Clear
1354	125.51	13.81	7.88	-94	2.65	0.0	0.35	75		Clear
1359	125.51	14.39	7.86	-71	2.61	0.0	0.00	75		Clear
1404	125.51	1305	7.92	-70	2.69	0.0	0.70	75		Clear
1409	125.51	13.10	7.89	-66	2.69	0.0	0.91	75		Clear
1414	125.51	13.12	7.94	-78	2.68	0.0	0.00	75		Clear
1419	125.51	13.12	7.88	-68	2.67	0.0	0.00	75		Clear
1424	125.51	13.12	7.97	-72	2.68	0.0	0.00	75		Clear
1429	125.51	13.12	7.93	-67	2.69	0.0	0.00	75		Clear

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-50-1600	VOCs	G	HCl	VOA	SGS	Un	1430	

QA/QC Information

	ID, if collected	Sample Time
Duplicate	EB-0424	0800
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-46-43C	Site ID	Former EPT Ithaca	Sample Date	4/17/24
Well Diameter	2 in	Sampling Event	Semi-Annual		
Depth to Water	32.47 ft btoc	Samplers	EJM + KGG		
Total Well Depth	50.05 ft btoc	Weather Conditions	51° Clear Skies		
Screen Interval	ft bgs	Notes			
Intake Depth	ft btoc				

Instruments Used: [X] 2" Bailer [ ] 4" Bailer [X] Horiba [ ] HACH Kit [X] Water Level Meter [ ] Other: _____

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes	
Init	12.81	6.75	-186	1.91	1.75	53.6			UNIT
1.43	13.22	6.76	-157	1.666	6.54	0.0			UNIT
2.87	13.28	6.84	-169	1.78	1.86	0.0			UNIT
4.30	13.05	6.74	-171	1.82	2.08	24.0			
* Well purged dry @ 4.30 gal. Will return within 24 hours to assess recharge									

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-46-43C	VOCs	Grab	HCl	VOA	SGS	UN	1348	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

[ ] Yes [X] No

Type of Tubing: [X] Poly-bonded [ ] HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

4/17/24

Well ID	MW-46-72C	Site ID	Former EPT Ithaca	Sample Date	~~04/16/24~~
Well Diameter	2 in	Sampling Event	Semi-Annual GW Sampling		
Depth to Water	72.49 ft btoc	Samplers	EJM + KGG		
Total Well Depth	83.46 ft btoc	Weather Conditions	55° Clear Skies		
Screen Interval	ft bgs	Notes			
Intake Depth	ft btoc				

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Init	16.24	7.34	11	1.93	4.22	0		Clear
0.89	15.40	7.38	25	2.01	4.29	0		Clear
1.79	15.05	7.32	20	2.04	4.65	0		Clear
2.68	14.94	7.19	-36	2.23	4.63	31.0		Clear
* Purged Dry at 2.75 Gal. Will return within 24 hours to check recharge.								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-46-72C	VOCs	Grab	HCl	VOA	SGS	UN	1358	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-7B	**Site ID**	Former EPT Ithaca	**Sample Date**	4/17/24
Well Diameter	2 in	**Sampling Event**	Semi-Annual GW Sampling		
Depth to Water	16.04 ft btoc	**Samplers**	EJM + KGG		
Total Well Depth	19.21 ft btoc	**Weather Conditions**	60° Clear		
Screen Interval	ft bgs	**Notes**			
Intake Depth	ft btoc				

Instruments Used: ☒ 2" Bailer ☐ 1" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S U)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Init	13.92	7.97	47	0.570	8.21	0.0		
~~0.25~~	13.17	7.89	62	0.545	7.78	370		
~~0.50~~	* Purged dry @ 0.50 gallons will return within 24 hours to assess recharge							

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-7B	VOCs	Grab	HCl	VOA	SGS	UN	1415	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-5-100	**Site ID**		**Sample Date**	4/17/24
Well Diameter	2 in	**Sampling Event**	Semi-Annual		
Depth to Water	93.30 ft btoc	**Samplers**	EJM + KGG		
Total Well Depth	96.85 ft btoc	**Weather Conditions**	46° Clear Skies		
Screen Interval	ft bgs	**Notes**			
Intake Depth	ft btoc				

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Initial	16.56	5.71	124	1.90	8.90	22.2		
0.58	15.57	6.10	10	1.07	8.75	43.1		
* Purged dry @ 0.58 gallons. Will return within 24 hours to assess recharge								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-5-100	VOCs	Grab	HCl	VOA	SGS	UN	1426	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-S-40	**Site ID**	Former EPT Ithaca	**Sample Date**	4/17/24
Well Diameter	3 in	**Sampling Event**	Semi-Annual		
Depth to Water	29.19 ft btoc	**Samplers**	EJM + KGG		
Total Well Depth	38.68 ft btoc	**Weather Conditions**	47° Clear skies		
Screen Interval	ft bgs	**Notes**			
Intake Depth	ft btoc				

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Init	14.45	5.92	-19	1.95	1.13	10.5		1
3.48	13.61	6.57	-138	2.02	3.45	233		
* Well purged dry @ 3.48 gallons. Will return in 24 hours to assess recharge								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
~~MW-16-13C~~	VOCs	Grab	HCl	VOA	SGS	UN	1442	
MW-S-40								

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-4B	**Site ID**	Former EPT Ithaca	**Sample Date**	4/17/24
Well Diameter	4 in	**Sampling Event**	Semi-Annual GW Sampling		
Depth to Water	16.78 ft btoc	**Samplers**	EJM + KGG		
Total Well Depth	22.43 ft btoc	**Weather Conditions**	60° Clear		
Screen Interval	ft bgs	**Notes**			
Intake Depth	ft btoc				

Instruments Used: ☐ 2" Bailer ☒ Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Init	13.37	7.07	111	2.19	7.32	0	—	Clear
1.85	11.72	7.24	120	2.29	6.51	0	—	Clear
2.0 ~~3.69~~	11.11	7.33	7	2.33	6.08	125	—	Cloudy
* Purge dry at 2.0 Gal will Return in 24 hours to check recharge.								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
~~DL~~ MW-4B	VOCs	Grab	☒ HCl	VOA	SGS	UN	1540	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-5B	**Site ID**	Former EPT Ithaca	**Sample Date**	4/17/24
Well Diameter	in	**Sampling Event**	Semi-Annual GW Sampling		
Depth to Water	16.60 ft btoc	**Samplers**	ESM + KGG		
Total Well Depth	18.61 ft btoc	**Weather Conditions**			
Screen Interval	ft bgs	**Notes**			
Intake Depth	ft btoc				

Instruments Used: ☐ 2" Bailer ☐ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☒ Other: _____

Instrument Calibration Information

Notes on Calibration

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Int	12.90	6.83	118	1.20	8.22	0.0	—	Clear
~~0.65~~								(HG)
1.31	11.71	6.75	128	1.24	9.68	0.0	—	Clear
* Purge Dry at 1.5 Gal. Will Return in 24 hours to check recharge								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-5B	VOCs	Grab	HCl	VOA	SGS	UN	1550	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-3B	**Site ID**	Former EPT Ithaca	**Sample Date**	4/17/24
Well Diameter	~~2~~ 4 in	**Sampling Event**	Semi-Annual GW Sampling		
Depth to Water	~~25~~ 10.41 ft btoc	**Samplers**	EJM, KGG		
Total Well Depth	25.03 ft btoc	**Weather Conditions**	63° Clear		
Screen Interval	ft bgs	**Notes**			
Intake Depth	ft btoc				

Instruments Used: ☐ 2" Bailer ☒ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter Other: _____

Instrument Calibration Information

Notes on Calibration

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Init	13.44	7.02	15	1.02	10.15	0.0		
4.75	12.20	6.93	31	1.03	10.09	0.0		
9.58	12.21	6.89	84	1.03	5.59	51.6		
* Purged dry @ 12 gallons. Will return in 24 hours to assess recharge								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-3B	VOCs	Grab	HCl	VOA	SGS	UN	1600	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-28	Site ID	Former EPT Ithaca	Sample Date	4/17/24
Well Diameter	4 in	Sampling Event	Semi-Annual GW Sampling		
Depth to Water	7.64 ft btoc	Samplers	EJM + KGG		
Total Well Depth	20.27 ft btoc	Weather Conditions	63° Cloudy Clear		
Screen Interval	ft bgs	Notes			
Intake Depth	ft btoc				

Instruments Used: ☐ 2" Bailer ☒ " Bailer ☒ Horiba ☒ HACH Kit ☒ Water Level Meter Other: _____

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Initial	12.41	7.40	175	0.863	2.63	0.0		
4.0	11.95	7.36	185	0.877	9.03	0.0		
8.24	12.02	7.27	187	0.882	4.71	0.0		
* Purged dry @ 9 gallons.			Will return in 24 hours to assess recharge					

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-28	~~VOA~~ VOCs	Grab	HCl	VOA	SGS	UN	1610	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-1B	**Site ID**	Former EPT Ithaca	**Sample Date**	4/17/24
Well Diameter	4 in	**Sampling Event**	Semi-Annual GW Sampling		
Depth to Water	12.05 ft btoc	**Samplers**	ESM + KGG		
Total Well Depth	19.68 ft btoc	**Weather Conditions**	62° Clear		
Screen Interval	ft bgs	**Notes**			
Intake Depth	ft btoc				

Instruments Used ☐ 2" Bailer ☒ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other _____

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Init	11.11	7.33	7	2.33	6.08	125		
2.50	11.35	7.79	151	0.670	5.66	0.0		
4.98	11.01	7.64	173	0.672	6.27	0.0		
7.50	13.53	6.96	200	0.584	5.00	0.0		
* Purged dry @ 7.5gal. Will return within 24 hours to assess recharge								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-1B	VOCs	Grab	HCl	VOA	SGS	UN	1620	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

WSP
ENVIRONMENTAL STRATEGIES

WSP USA Inc
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Groundwater Sampling Monitoring Form

Well ID	MW-19B	**Site:**	**Former EPT - Ithaca, NY**	**Sample Date:**	04/22/24
Well Diameter	2 in	**Sampling Event**	Semi-annual groundwater sampling		
Depth to Water (btoc)	10.68 ft	**Samplers**	Kevin Griswold		
Total Well Depth (btoc)	14.59 ft	**Weather Conditions:**	Indoors 53°F		
Height of Water Column	3.91 ft	**Notes:**	3 WV = 1.9 Gal		
Well Volume	0.64 gal				

Instrument Calibration Information

Horiba U52 ~~with flow through cell~~ - Calibrated to manufacturer's specification using auto-calibration standard solution

Well Purging Information

Air Temp	53 °F	Start Purge:	19:03	End Purge:	19:20	Pump Type:	Bailer

Well Purging Information

Purge Volume (~~Liter~~ gal)	D.O. (mg/L)	T (°C)	ORP (mV)	S.C. (mS/cm)	Turb. (NTU)	pH	Notes
Initial	4.94	15.57	288	1.49	25.3	7.40	Yellow
~~2.0~~ 2.0	10.19	15.55	278	0.556	50	7.21	Yellow
~~3.0~~ 3.0	5.86	15.51	272	1.45	72.4	7.42	Yellow
~~4.0~~ 4.0	4.57	15.50	271	1.44	81.6	7.40	Yellow
4.5	1.75	15.47	267	1.46	79.4	7.40	Yellow
Bailed Dry at 4.70 Liters or 1.24 Gal. Will Return in 24 hours to check Recharge							
Sampled on 04/23/24 at 0758							

Laboratory Analysis Information

# of Bottles	Analytes	Preservative	Bottle Type	Anal. Lab.	Filtered/ Unfiltered	Sample Time	Comments
3	Free CN by ASTM D7237-15A; Total CN by 335.4 and Total CN by ASTM D7511-12	NaOH	250 mL Poly	Alloway	Unfiltered	0758	Sampled on 04/23/24

Field Dup 1 Free CN by D7237-15A NaOH 250 mL Poly Alloway Unfiltered FalseTime:1100 Sampled on 04/23/24 at 0758

September 2024 Purge Forms

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Groundwater Sampling Monitoring Form

Well ID	MW-16-100	Site ID	Former EPT Ithaca	Sample Date	9/24/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	76.22 ft btoc	Samplers	Drew Bullinger		
Total Well Depth	100 ft btoc	Weather Conditions	cloudy		
Screen Interval	80-100 ft bgs	Notes			
Intake Depth	95 ft btoc				

Instruments Used: ☐ Peristaltic ☐ 2" Bladder PDB Horiba HACH Kit Water Level Meter Other _____ (Bladder Pump #1000187)

Instrument Calibration Information: U105 676X

Notes on Calibration: cal @ 10:14 HORIBA ~~ACS-MK-6VH~~ Sensor: U118447X

Well Purging Information

Start purge @ 10:45 End purge @ 12:30 Final Flow Rate ~~ml/min~~ 75 HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
10:55	76.60	15.55	7.25	-33	2.71	6.2	3.24	110	0	Clear
11:00	76.91	14.72	6.50	-70	3.27	5.8	0.91	110	0.11	Clear
11:05	77.67	14.04	6.46	-80	3.28	5.2	0.00	110	0.22	
11:10	78.27	13.86	6.48	-85	3.18	~~6.9~~	0.00	110	0.33	
11:15	78.68	14.06	6.48	-86	3.12	8.0	0.00	85	0.485	Lower flow rate
11:20	79.26	14.14	6.48	-87	3.06	9.6	0.00	~~85~~	0.50	
11:25	79.86	14.22	6.49	-88	3.01	11.1	0.0	75	0.575	Lower flow rate
11:30	79.97	14.28	6.49	-88	2.98	13.6	0.0	75	0.65	
11:35	80.39	14.32	6.49	-88	2.95	17.1	0.0	75	0.725	Clear
11:40	80.81	14.48	6.50	-88	2.89	21.1	0.0	75	0.90	
11:45	81.18	14.51	6.50	-88	2.87	24.9	0.0	75	0.975	
11:50	81.58	14.47	6.50	-87	2.85	30.0	0.0	75	1.05	
11:55	81.99	14.55	6.50	-87	2.84	31.5	0.0	75	1.125	
12:00	82.42	14:48	6.51	-86	2.83	35.3	0.0	75	1.20	
12:05	82.74	14.42	6.51	-86	2.82	37.3	0.0	75	1.275	
12:10	82.78	14.49	6.52	-86	2.81	41.8	0.0	75	1.350	Clear
12:15	82.77	14.36	6.53	-87	2.83	42.4	0.0	75	1.425	
12:20	82.75	14.34	6.53	-87	2.82	43.5	0.0	75	1.50	
12:25	83.00	14.30	6.55	-87	2.82	45.1	0.0	75	1.575	Clear, effervescence.

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs							

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	LBA-MW-30	Site ID	Former EPI Ithaca	Sample Date	9/24/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	11.02 ft btoc	Samplers	EJM		
Total Well Depth	25 ft btoc	Weather Conditions	62° Overcast Light Breeze		
Screen Interval	15-25 ft bgs	Notes			
Intake Depth	23 ft btoc				

Instruments Used: ☐ Peristaltic ☒ Bladder ☐ PID ☐ Horiba ☐ HACH Kit ☐ Water Level Meter ☐ Other _____

Instrument Calibration Information

Notes on Calibration: U1116142X ; U1073555X Calibrated to manufacturer specifications

Well Purging Information

Start purge @ 1209 | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1212	11.84	17.05	6.52	-99	0.739	14.4	11.55	90	0	Clear
1217	12.90	17.17	6.53	-108	0.741	14.9	7.77	90		Clear
1222	13.56	17.20	6.53	-106	0.740	14.9	7.53	90		Clear
1227	14.31	17.22	6.53	-100	0.735	13.3	6.92	75		Clear
1232	14.86	17.20	6.50	-93	0.730	12.8	6.73	75		Clear
1237	15.18	17.21	6.46	-85	0.723	11.7	6.41	75		Clear
1242	15.41	17.29	6.49	-83	0.716	11.0	6.10	75		Clear
1247	15.71	17.29	6.48	-79	0.707	10.4	5.82	75		Clear
1252	16.14	17.28	6.46	-73	0.691	11.2	5.46	75		Clear
1257	16.34	17.31	6.46	-70	0.680	10.6	5.28	75		Clear
1302	16.66	17.32	6.46	-66	0.669	9.4	5.14	75		Clear
1307	16.91	17.29	6.43	-55	0.649	8.2	4.85	75		Clear
1312	17.18	17.25	6.45	-54	0.647	7.1	4.72	75		Clear
1317	17.38	17.25	6.47	-54	0.650	6.7	4.56	75		Clear
1322	17.72	17.28	6.49	-56	0.6602	5.8	4.35	75		Clear
1327	~~17.89~~	17.29	6.48	-57	0.673	5.1	4.18	75		Clear DTW 18.03
1332	18.28	17.23	6.49	-60	0.684	5.1	4.02	75		Clear
1337	18.56	17.23	6.51	-61	0.689	4.7	3.92	75		Clear
1342	18.84	17.18	6.51	-66	0.699	4.1	3.73	75		Clear
1347	19.04	17.17	6.53	-72	0.703	3.8	3.60	75		Clear
1350	19.33	17.14	6.54	-78	0.710	3.2	3.45	75		Clear

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
1	Barium	Grab	HNO3	300mL	SGS	Un	1357	
1	Cyanide	Grab		60mL	SGS	Un		

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	EXB-09	Site ID	Former EPT Ithaca	Sample Date	9/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	47.82 ft btoc	Samplers	EJM		
Total Well Depth	64 ft btoc	Weather Conditions	58° Overcast		
Screen Interval	ft bgs	Notes			
Intake Depth	59 ft btoc				

Instruments Used: ☐ Peristaltic ☒ Bladder ☐ PDB ☒ Horiba ☐ HACH Kit ☒ Water Level Meter Other: ☐

Instrument Calibration Information

Notes on Calibration: Calibrated to manufacturer specifications

Well Purging Information

Start purge @ 0944 | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
0927	47.86	17.34	6.22	-31	1.61	1.1	6.17	60	0	Clear
0932	47.97	16.63	6.41	-72	1.67	0.4	1.97	~~120~~ 90	0.45	Clear
0937	48.17	16.20	6.47	-80	1.68	0.5	0.86	90	0.90	Clear
0942	48.33	15.93	6.49	-85	1.69	0.6	0.36	90	1.35	Clear
0947	48.45	15.93	6.49	-85	1.69	0.3	0.22	60		Clear
0952	48.56	16.32	6.50	-87	1.68	0.6	0.09	60		Clear
0957	48.65	16.28	6.52	-92	1.69	0.3	0.17	60		Clear
1002	48.78	16.45	6.55	-93	1.69	0.3	0.08	60		Clear
1007	48.87	16.38	6.57	-96	1.69	0.6	0.11	60		Clear
1012	48.90	16.39	6.58	-98	1.69	0.9	0.08	60		Clear

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
EXB-09-MS/MSD	VOCs	Grab	HCl	VOA	SGS	Un		

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD	EXB 09-MS/MSD	1017
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-7-40	Site ID	Former EPT Ithaca
Well Diameter	3 in	Sampling Event	Annual GW Sampling
Depth to Water	17.21 ft btoc	Samplers	
Total Well Depth	38 ft btoc	Weather Conditions	
Screen Interval	18-38 ft bgs	Notes	
Intake Depth	34 ft btoc		
Instruments Used	☐ Peristaltic ☐ Bladder ☒ PDB ☐ Horiba ☒ HACH Kit ☒ Water Level Meter Other		

Instrument Calibration Information

Notes on Calibration: Cal @ 10:14 — HoriBA: U15676X — Sensor: U118447X — Pump: 1000 0 1170

Well Purging Information

Start purge @ 13:30 — End purge @ 15:10 — Final Flow Rate 100 — HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
13:50	17.53	15.20	6.75	-71	2.08	46.5	2.45	100	0	Clear
13:55	17.53	14.89	6.74	-80	2.08	51.8	2.21	100	0.100	
14:00	17.80	14.65	6.73	-76	2.08	65.4	1.74	100	0.2	
14:05	17.98	14.56	6.73	-74	2.07	59.2	1.71	100	0.3	
14:10	18.19	14.50	6.73	-74	2.07	56.9	1.71	100	0.4	
14:15	18.43	14.41	6.72	-75	2.07	50.4	1.61	100	0.5	
14:20	18.67	14.36	6.72	-76	2.07	44.3	1.52	100	0.6	
14:25	18.91	14.26	6.71	-79	2.07	40.1	1.48	100	0.7	
14:30	19.18	14.19	6.71	-79	2.07	31.6	1.30	100	0.8	
14:35	19.40	14.07	6.70	-78	2.07	29.6	1.27	100	0.9	
14:40	19.64	14.01	6.70	-75	2.07	25.9	1.23	100	1.0	
14:45	19.90	13.96	6.70	-72	2.07	23.1	1.03	100	1.1	Organic Bacterial Mats in water and sample
14:50	20.16	13.92	6.69	-68	2.07	20.6	1.08	100	1.2	
14:55	20.52	13.86	6.68	-65	2.07	21.0	1.12	100	1.3	
15:00	20.92	13.82	6.68	-62	2.07	19.8	1.09	100	1.4	

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs							

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	EXB-07	Site ID	Former EPT Ithaca	Sample Date	1143
Well Diameter	4" in	Sampling Event	Annual GW Sampling		
Depth to Water	6.21 ft btoc	Samplers			
Total Well Depth	25 ft btoc	Weather Conditions	62°F cloudy 5-10 mph wind		
Screen Interval	5-25 ft bgs	Notes	soft bottom		
Intake Depth	20 ft btoc				

Instruments Used: ☐ Peristaltic ☑ Bladder ☐ PDB ☑ Horiba ☐ HACH Kit ☑ Water Level Meter Other ____

Instrument Calibration Information

Notes on Calibration: Horiba Cal @

Well Purging Information

Start purge @ 1037 | End purge @ 1120 | Final Flow Rate 100 | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1035	6.25	17.43	6.40	178	1.55	10.5	1.02	100	0	CCO
1040	6.48	17.13	6.83	179	1.79	9.0	0.00	100	0.5	CCO
1045	6.63	17.00	7.03	127	1.92	7.2	0.00	100	1.0	CCO
1050	6.93	16.80	7.19	127	1.95	5.0	0.00	100	1.5	CCO
1055	7.00	16.80	7.21	124	1.96	4.9	0.00	100	2.0	CCO
1100	7.19	16.78	7.26	120	1.97	4.1	0.00	100	2.5	CCO
1105	7.34	16.83	7.30	117	1.97	3.8	0.00	100	3.0	CCO
1110	7.44	16.90	7.33	114	1.98	3.6	0.00	100	3.5	CCO
1115	7.53	16.97	7.35	112	1.98	3.1	0.00	100	4.0	CCO
1120	7.60	16.98	7.37	110	1.98	2.9	0.00	100	4.5	CCO
				Collect Sample						

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
EXB-07	VOCs	Bladder	HCL	VOA		unfiltered	1125	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☒ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-31B	Site ID	Former EPT Ithaca	Sample Date	
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	[redacted] ft btoc	Samplers			
Total Well Depth	24.5 ft btoc	Weather Conditions	63, cloudy, 5-10 mph, Northeast		
Screen Interval	17.5-24.5 ft bgs	Notes	26.80 (Hand)		
Intake Depth	20 ft btoc				

Instruments Used: ☐ Peristaltic ☐ 2" Bladder ☒ PDB ☐ Horiba ☒ HACH Kit ☒ Water Level Meter Other: ____

Instrument Calibration Information

Notes on Calibration

Well Purging Information

Start purge @ 1317 | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1330	20.27	17.47	7.40	132	0.478	19.2	1.43	100	0	CCO
1335	20.58	16.82	7.42	142	0.465	16.9	0.00	100	0.5	CCO
1340	20.83	16.48	7.43	146	0.462	15.9	0.00	100	1.0	CCO
1345	20.97	16.31	7.43	150	0.460	15.3	0.00	100	1.5	CCO
1350	21.10	16.23	7.41	154	0.456	15.0	0.00	100	2.0	CCO
1355	21.29	16.09	7.36	162	0.451	10.7	0.29	100	2.5	CCO
1400	21.53	15.97	7.27	174	0.435	6.5	0.57	100	3.0	CCO
1405	21.72	15.88	7.21	180	0.420	4.5	2.39	100	3.5	CCO
1410	21.86	15.85	7.18	183	0.414	4.3	2.58	100	4.0	CCO
1415	22.05	15.78	7.08	190	0.397	4.4	3.09	100	4.5	CCO
1420	22.20	15.76	7.03	193	0.392	5.5	3.05	100	5.0	CCO
1425	22.39	15.70	6.99	195	0.386	4.8	2.99	100	5.5	CCO
				Sample Collected						

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
MW-31B	Barium	Bladder	HNO3	Poly		unfiltered	1435	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☒ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	LBA-MW-43N	Site ID	Former EPI Ithaca	Sample Date	9/25/24
Well Diameter	4 in	Sampling Event	Annual GW Sampling		
Depth to Water	12.61 ft btoc	Samplers	EJM		
Total Well Depth	25 ft btoc	Weather Conditions	68° Overcast		
Screen Interval	8-25 ft bgs	Notes			
Intake Depth	23 ft btoc				

Instruments Used: ☐ Peristaltic ☐ Bladder ☒ PDB ☐ Horiba ☒ HACH Kit ☒ Water Level Meter Other: _____

Instrument Calibration Information

Notes on Calibration

Well Purging Information

Start purge @ 1254 | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1256	12.76	19.05	6.40	-165	2.43	4.8	6.93	200		Clear
1301	12.80	18.45	7.16	-306	2.42	0.4	0.48	~~1009~~		Clear
1306	12.80	18.49	7.21	-317	2.43	0.2	0.32	100		Clear
1311	12.80	18.67	7.25	-325	2.44	0.0	0.42	100		Clear
1316	12.80	18.86	7.26	-331	2.42	0.0	0.96	100		Clear
1321	12.80	18.91	7.27	-336	2.42	0.0	1.18	100		Clear
1326	12.80	18.92	7.28	-339	2.43	0.0	1.42	100		Clear
1331	12.80	18.97	7.29	-334	2.42	0.0	1.63	100		-343 ORP
1336	12.80	18.98	7.29	-348	2.43	0.0	1.57	100		Clear
1341	12.80	18.96	7.30	-347	2.44	0.0	1.56	100		Clear

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	Cyanide						1346	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0 1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	LBA-MW-435	Site ID	Former EPT Ithaca	Sample Date	9/25/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	27.78 ft btoc	Samplers	EJM		
Total Well Depth	47 ft btoc	Weather Conditions	67° Rain		
Screen Interval	36-47 ft bgs	Notes			
Intake Depth	43 ft btoc				

Instruments Used: ☐ Peristaltic ☐ Bladder ☒ PDB ☐ Horiba ☒ HACH Kit ☒ Water Level Meter Other: _____

Instrument Calibration Information

Notes on Calibration:

Well Purging Information

Start purge @ 1423 | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1428	28.42	18.97	7.46	-111	2.35	3.2	10.47	80		Clear
1433	28.95	19.08	7.45	-126	2.34	2.4	9.30	75		Clear
1438	29.33	19.15	7.44	-130	2.34	2.4	8.90	75		Clear
1443	29.80	19.12	7.42	-121	2.34	2.7	8.51	75		Clear
1448	30.20	19.05	7.41	-113	2.34	3.1	8.41	75		Clear
1453	30.64	19.04	7.40	-112	2.34	3.3	8.16	75		Clear
1458	30.97	19.00	7.39	-110	2.34	3.5	8.02	75		Clear
1503	31.34	18.96	7.39	-107	2.34	3.9	7.79	75		Clear
1508	31.70	18.92	7.38	-104	2.34	3.3	7.60	75		Clear
1513	32.10	18.95	7.39	-102	2.34	3.5	7.37	75		Clear
1518	32.42	18.91	7.39	-100	2.35	3.5	7.21	75		Clear
1523	32.72	18.95	7.39	-95	2.34	3.4	7.02	75		Clear
1528	33.06	18.92	7.39	-92	2.35	3.1	6.84	75		Clear
1533	33.38	18.92	7.39	-87	2.35	3.1	6.65	75		Clear
1538	33.65	18.89	7.39	-85	2.35	4.2	6.48	75		Clear
1543	33.94	18.94	7.39	-80	2.35	3.5	6.30	75		Clear
1548	34.25	18.93	7.39	-74	2.35	2.8	6.10	75		Clear
1553	34.60	18.94	7.39	-69	2.35	2.7	5.89	75		Clear
1558	34.90	18.90	7.39	-66	2.35	2.5	5.70	75		Clear
1603	35.25	18.95	7.39	-64	2.34	2.4	5.74	75		Clear
1608	35.52	18.92	7.39	-62	2.35	2.4	5.69	75		Clear
1613	35.77	18.92	7.39	-61	2.35	2.3	5.65	75		Clear

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	Barium						1618	
	Cyanide						1618	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	LBA-MW-26	Site ID	Former EPT Ithaca	Sample Date	09-25-24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	24.93 ft btoc	Samplers	EAG		
Total Well Depth	44 ft btoc	Weather Conditions	Overcast/light rain 68°F		
Screen Interval	34-44 ft bgs	Notes	Stop purge @ 1024		
Intake Depth	42 ft btoc				

Instruments Used: ☐ Peristaltic ☐ 2" Bladder ☒ PDB ☒ Horiba ☒ HACH Kit ☒ Water Level Meter Other: ____

Instrument Calibration Information

Notes on Calibration: Horiba U90470X, ~~U2~~ U21470X ; Bladder 10000336

Well Purging Information

Start purge @ | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
0955	27.72	16.01	6.65	-162	1.14	5.0	0.17	100	—	Cloudy
10.00	28.07	15.91	6.91	-173	1.12	4.9	0.00	75	0.5	"
1005	28.32	16.15	6.98	-175	1.11	5.1	0.00	75	0.875	"
1010	28.53	16.09	7.03	-176	1.11	4.3	0.00	75	1.25	"
1015	28.79	16.13	7.07	-178	1.11	3.9	0.00	75	1.625	"
1020	29.04	16.14	7.11	-178	1.12	4.2	0.00	75	2.0	"
Stop purge 1024, Collected Sample										

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	Barium	Grab	HNO3	500 mL HDPE	SGS	Unfiltered	1024	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	LBA-MW-39	Site ID	Former EPT Ithaca	Sample Date	09-25-24
Well Diameter	4 in	Sampling Event	Annual GW Sampling		
Depth to Water	13.96 ft btoc	Samplers	EAG		
Total Well Depth	25.5 ft btoc	Weather Conditions	Overcast/ light rain 68°F		
Screen Interval	ft bgs	Notes	Stop purge @ 1230		
Intake Depth	23 ft btoc				

Instruments Used: ☐ Peristaltic ☐ 3" Bladder ☒ PDB ☐ Horiba ☐ HACH Kit ☐ Water Level Meter Other: _____

Instrument Calibration Information

Notes on Calibration: Horiba U904708, U121470X; Bladder 1000013216

Well Purging Information

Start purge @ | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min) (EAG)	Purge Volume (L)	Appearance of Purge Water / Notes
1140	14.11	17.71	7.01	-167	1.12	17.3	4.21	100	~~0.50~~ 0	cloudy
1145	14.15	17.63	6.90	-170	1.12	10.8	6.49	75	0.5	clear
1150	14.20	17.63	6.87	-167	1.12	8.0	8.04	75	0.875	"
1155	14.23	17.73	6.88	-167	1.12	6.2	7.56	75	1.25	"
1200	14.27	17.65	6.89	-165	1.12	4.2	7.26	75	1.625	"
1205	14.30	17.68	6.89	-163	1.12	4.3	6.96	75	2.0	"
1210	14.34	17.65	6.89	-159	1.12	4.9	6.65	75	2.375	"
1215	14.39	17.54	6.89	-156	1.12	3.8	6.39	75	2.75	"
1220	14.44	17.59	6.89	-153	1.12	3.7	6.22	75	3.125	"
1225	14.45	~~17.60~~	6.88	-151	1.12	3.4	6.24	75	3.5	"

7.42°C (EAG)

Stop purge at 1230, collect sample

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	~~VOCs~~	Grab	~~NaOH + ascorb~~	~~Cont~~	SGS	unfiltered	1230	60 mL glass (EAG)
	Cyanide	Grab	NaOH + ascorb	60mL glass	SGS	unfiltered	1230	
	VOCs	Grab	HCl	40mL VOA	SGS	unfiltered	1230	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	EXR-10	Site ID	Former EPT Ithaca	Sample Date	09-25-24
Well Diameter	4 in	Sampling Event	Annual GW Sampling		
Depth to Water	34.42 ft btoc	Samplers	DAG		
Total Well Depth	64 ft btoc	Weather Conditions	Light rain ~~68°F~~ to overcast 68°F		
Screen Interval	NA ft bgs	Notes	(*) Horiba malfunction @ ~~1300~~. Replaced with U5804SX ie calibrated @ 1300. Stop purge @ 1645.		
Intake Depth	47 ft btoc				
Instruments Used	☐ Peristaltic ☒ Bladder ☒ PDB ☒ Horiba ☒ HACH Kit ☒ Water Level Meter Other:				

Instrument Calibration Information

Notes on Calibration: Horiba (*) V9047 0X, U12147 0X Bladder 100001336

Well Purging Information

Start purge @ | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1505	~~34.42~~ 36.88	17.37	6.34	-123	2.52	0.0	6.65	75	—	clear
1510	34.98	16.62	6.74	-143	2.54	0.0	5.59	75	0.375	"
1515	35.12	16.14	6.82	-150	2.55	0.0	6.75	75	0.75	"
1520	35.30	16.01	6.87	-154	2.56	0.0	4.65	75	1.125	"
1525	35.36	16.44	6.89	-153	2.56	0.0	8.79	75	1.5	"
1530	35.45	16.28	6.91	-153	2.56	0.0	5.97	"	1.875	"
1535	35.63	15.93	6.93	-153	2.54	0.0	8.14	"	2.25	"
1540	35.84	16.09	6.94	-150	2.54	0.0	8.69	"	2.625	"
1545	35.92 8.54	15.94	6.95	-148	2.52	0.0	~~0.08~~	"	3.0	"
1550	36.02	15.80	6.94	-144	2.51	0.0	8.95	"	3.375	"
1555	36.17	15.56	6.94	-136	2.49	0.0	8.27	"	3.75	"
1600	36.31	15.56	6.94	-132	2.47	0.0	8.83	"	4.125	"
1605	36.47	15.49	6.94	-126	2.46	"	6.43	"	4.5	"
1610	36.54	15.81	6.94	-122	2.45	"	8.77	"	4.875	"
1615	36.68	15.69	6.95	-116	2.41	"	8.55	"	5.25	"
1620	36.82	15.56	6.95	-110	2.41	"	8.40	"	5.625	"
1625	36.96	15.49	6.95	-102	2.40	"	8.83	"	6.0	"
1630	37.11	15.39	6.95	-98	2.38	0.0	8.68	"	6.375	"
1635	37.21	15.41	6.96	-94	2.38	"	8.60	"	6.75	"
1640	37.22	15.56	6.97	-92	2.36	"	8.65	"	7.125	"

Stop purge @ 1645, collect sample.

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs	Grab	HCl	40mL VOA	SGS	unfiltered	1645	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	WSP MW-06C	Site ID	Former EPT Ithaca	Sample Date	9/25/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	39.28 ft btoc	Samplers	Drew Billinger		
Total Well Depth	66.0 ft btoc	Weather Conditions	Cloudy		
Screen Interval	55.8-65.8 ft bgs	Notes			
Intake Depth	63 ft btoc				

Instruments Used: ☐ Peristaltic ☒ Bladder ☒ PDB ☐ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other _____

Bladder pump: 100001170

Instrument Calibration Information

Notes on Calibration: Calibrated @ 8:30 Horiba: U1056726X Solo: U1 8447X

Well Purging Information

Start purge @ 11:00 | End purge @ 12:30 | Final Flow Rate 100 | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
11:20	39.46	18.45	7.41	-119	1.88	13.7	0.55	110	0	
11:25	40.68	17.33	7.39	-151	1.90	18.7	0.00	100	0.1	Clear
11:30	41.36	16.78	7.40	-157	1.94	16.1	0.06	100	0.2	
11:35	42.03	16.52	7.39	-162	1.96	13.9	0.00	100	0.3	
11:40	42.65	16.41	7.39	-165	1.97	11.7	0.00	100	0.4	
11:45	43.24	16.30	7.39	-168	1.97	9.7	0.00	100	0.5	
11:50	43.78	16.25	7.38	-170	1.98	8.5	0.00	100	0.6	
11:55	44.30	16.19	7.38	-173	1.98	7.6	0.00	100	0.7	
12:00	44.76	16.16	7.37	-176	1.98	7.3	0.00	100	0.8	
12:05	45.24	16.15	7.37	-179	1.98	5.9	0.00	100	0.9	
12:10	45.64	16.16	7.36	-183	1.98	5.8	0.00	100	1.0	
12:15	46.05	16.13	7.36	-187	1.98	4.6	0.00	100	1.1	
12:20	46.47	16.13	7.36	-191	1.98	3.6	0.00	100	1.2	odor, trace sheen

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	Barium							

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-44T	Site ID	Former EPT Ithaca	Sample Date	9/25/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	24.24 ft btoc	Samplers	Drew Bellinger		
Total Well Depth	50 ft btoc	Weather Conditions	Cloudy / Rain		
Screen Interval	41-46 ft bgs	Notes			
Intake Depth	45 ~~46~~ ft btoc				

Instruments Used: ☐ Peristaltic ☐ Bladder ☒ PDB ☐ Horiba ☐ HACH Kit ☐ Water Level Meter ☐ Other _____

Instrument Calibration Information

Notes on Calibration: Cal @ 08:30 Horiba: U1056 76X Solade: U11 84 47X

Bladder pump: 100001170

Well Purging Information

Start purge @ | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
13:55	24.62	17.82	7.56	-170	2.04	522	0	100	0	turbid, Black, odor
14:00	25.28	16.40	7.55	-185	2.07	158	0	100	0.1	
14:05	26.10	15.95	7.53	-190	2.05	96.5	0	100	0.2	
14:10	26.90	15.70	7.51	-194	2.05	64.8	0	100	0.3	
14:15	27.52	15.54	7.49	-196	2.05	51.8	0	100	0.4	Cloudy
14:20	28.23	15.26	7.46	-196	2.06	38.7	0	100	0.5	
14:25	28.95	15.22	7.43	-195	2.06	32.5	0	100	0.6	
14:30	29.61	15.12	7.39	-194	2.07	23.8	0	100	0.7	Clear
14:35	30.33	15.07	7.36	-193	2.08	20.9	0	100	0.8	
14:40	30.91	15.00	7.33	-193	2.08	16.1	0	100	0.9	
14:45	31.60	14.88	7.30	-191	2.09	11.3	0	100	1.0	
14:50	32.12	14.83	7.28	-190	2.10	10.5	0	100	1.1	
14:55	32.66	14.78	7.27	-190	2.11	9.8	0	100	1.2	
15:00	33.24	14.74	7.25	-190	2.11	9.3	0	100	1.3	clear

Odor

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	Barium							
	Cyanide							

QA/QC Information

	ID, if collected	Sample Time
Duplicate	MW-102	11:22
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	WSP-MW-04R	Site ID	Former EPT Ithaca	Sample Date	9/25/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	23.70 ft btoc	Samplers	Drew Bullinger		
Total Well Depth	41.2 ft btoc	Weather Conditions	Cloudy		
Screen Interval	26.2 - 41.2 ft bgs	Notes	Pump: 1000 1170		
Intake Depth	~~35~~ 35 ft btoc				

Instruments Used: ☐ Peristaltic ☐ Bladder ☒ PDB ☐ Horiba ☐ HACH Kit ☐ Water Level Meter ☐ Other

Instrument Calibration Information

Notes on Calibration: Calibrated @ 8:30 Horiba: U105 676X Solade: U11 8447X

Well Purging Information

Start purge @ 9:10 | End purge @ | Final Flow Rate 100 | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
9:20	24.20	16.44	6.84	276	1.64	19.7	1.45	100	0.1	Clear, no odor
9:25	24.25	15.60	7.02	257	1.81	14.7	0.00	100	0.2	floatily specks
9:30	24.26	15.33	7.04	260	1.84	14.8	0.00	100	0.3	
9:35	24.29	15.25	7.04	264	1.86	12.4	0.00	100	0.4	
9:40	24.32	15.14	7.04	267	1.87	10.0	0.00	100	0.5	
9:45	24.33	15.13	7.04	271	1.87	8.4	0.00	100	0.6	
9:50	24.34	15.04	7.04	272	1.88	7.4	0.00	100	0.7	NO odor

floatily black flakes clear

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	Metals							
	Cyanide							
	Barium							

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	LBA-MW-35	Site ID	Former EPT Ithaca	Sample Date	9/26/24
Well Diameter	4 in	Sampling Event	Annual GW Sampling		
Depth to Water	7.96 ft btoc	Samplers	WXD		
Total Well Depth	30 ft btoc	Weather Conditions	68° Overcast		
Screen Interval	5.1-33 ft bgs	Notes	Bladder Pump: U1068071X		
Intake Depth	30 ft btoc				

Instruments Used: ☐ Peristaltic ☒ Bladder ☐ YSI ☐ Horiba ☐ HACH Kit ☐ Water Level Meter ☐ Other

Instrument Calibration Information

Notes on Calibration: Horiba- Calibrated to manufacturer specifications. U1073555X; U1066142X

Well Purging Information

Start purge @ 1128 | End purge @ | Final Flow Rate | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1131	7.96	—	—	—	—	—	—	50	0	
1136	8.15	—	—	—	—	—	—	100	0.25	
1141	8.31	—	—	—	—	—	—	75	0.65	
1146	8.38	—	—	—	—	—	—	50	0.90	
1151	8.45	—	—	—	—	—	—	50	1.15	
1156	8.47	—	—	—	—	—	—	50	1.40	
1201	8.51	—	—	—	—	—	—	50	1.65	
1206	8.54	—	—	—	—	—	—	50	1.90	
1211	8.56	—	—	—	—	—	—	50	2.15	
1216	8.51	—	—	—	—	—	—	50	1.40	
1221	8.55	—	—	—	—	—	—	50	1.65	
1226	8.58	—	—	—	—	—	—	50	1.90	
1231	8.55	—	—	—	—	—	—	50	2.15	
1236	8.58	—	—	—	—	—	—	50	2.40	
1241	8.59	—	—	—	—	—	—	50	2.65	
1246	8.59	—	—	—	—	—	—	50	2.90	
1251	8.60	—	—	—	—	—	—	50	3.15	
1256	8.61	—	—	—	—	—	—	50	3.40	
1301	8.62	—	—	—	—	—	—	50	3.65	
1306	8.64	—	—	—	—	—	—	50	3.90	
1306	8.66	—	—	—	—	—	—	50	4.15	
1311	8.65	—	—	—	—	—	—	50	4.40	
1316	8.66	—	—	—	—	—	—	50	4.65	
1321	8.66	—	—	—	—	—	—	50	4.90	
1326	8.66	—	—	—	—	—	—	50	5.15	

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
LBA-MW-35	Barium	Bladder	HNO3	Poly		unfil	1340	
LBA-MW-35	Cyanide	1	NaOH+Ab	Glass		unfil	1340	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☒ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	LBA-MW-34N	Site ID	Former EPT Ithaca	Sample Date	09/26/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	13.64 ft btoc	Samplers	WKD		
Total Well Depth	21 ft btoc	Weather Conditions	Indoors 68°F		
Screen Interval	4-21 ft bgs	Notes	KG took over sampling @ 600.		
Intake Depth	18 ft btoc		Bladder Pump: U10980DX		

Instruments Used: ☐ Peristaltic ☒ Bladder ☐ PDB ☐ Horiba ☐ HACH Kit ☒ Water Level Meter Other: ____

Instrument Calibration Information

Notes on Calibration:

Well Purging Information

Start purge @ 1458 | End purge @ 1615 | Final Flow Rate 50 mL/min | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1503	13.73	19.04	7.40	-203	1.41	61.0	0.15	100	0	clear
1508	13.84	18.97	7.27	-200	1.42	56.0	0.00	50	0.5	
1513	13.94	18.88	7.25	-200	1.42	49.8	0.00	50	0.75	
1518	14.03	18.83	7.24	-200	1.42	44.9	0.00	50	1.0	
1523	14.12	18.63	7.24	-198	1.43	40.5	0.00	50	1.25	
1528	14.19	18.62	7.26	-197	1.42	34.6	0.00	50	1.50	
1533	14.24	18.66	7.27	-194	1.42	24.0	0.00	50	1.75	
1538	14.33	18.59	7.27	-187	1.42	16.9	0.00	50	2.0	
1543	14.38	18.58	7.27	-178	1.42	12.4	0.00	50	2.25	
1548	14.47	18.55	7.27	-167	1.42	10.1	0.00	50	2.50	
1553	14.50	18.53	7.28	-148	1.42	8.3	0.00	50	2.75	
1558	14.62	18.36	7.28	-114	1.41	6.7	0.00	50	3.0	
1603	14.65	18.27	7.28	-108	1.41	6.2	0.00	50	3.25	clear
1608	14.73	18.13	7.28	-102	1.40	5.1	0.00	50	3.5	clear
		Sample 1610								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3xVOA	SGS	Unfiltered	1610	
1	Barium	Grab	HNO3	500mL HDPE	SGS	Unfiltered	1610	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-19B	**Site ID**	Former EPT Ithaca	**Sample Date**	09/26/24
Well Diameter	2 in	**Sampling Event**	Annual Sampling		
Depth to Water	10.26 ft btoc	**Samplers**	KGG		
Total Well Depth	15 ft btoc	**Weather Conditions**	67°, Indoors		
Screen Interval	5-15 ft bgs	**Notes**	High CN historically. Purge water segregated for disposal off site.		
Intake Depth	13 ft btoc				

Instruments Used: ☐ Peristaltic ☐ Bladder ☒ PDB ☐ Horiba ☐ HACH Kit ☒ Water Level Meter Other: ☒ Bladder

Instrument Calibration Information

Notes on Calibration: Auto Cal @ 0815 this AM. Sensor SN: U121470Y, Head Unit SN: U58043X.

Well Purging Information

Start purge @ 1014 | End purge @ 1058 | Final Flow Rate 75 mL/min | HACH Kit Reading

Time	DTW (ft bloc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1023	10.50	19.58	6.35	213	1.36	17.9	1.77	80	0	Yellow
1028	10.88	19.59	6.79	24	1.34	11.8	0.56	80	0.40	Yellow, Low Turbidity
1033	11.17	19.60	6.91	224	1.33	6.4	0.06	75	0.80	"
1038	11.43	19.62	6.98	231	1.32	3.3	0.09	75	1.175	"
1043	11.69	19.66	7.04	244	1.31	0.6	0.31	75	1.55	" Yellow Clearing up
1048	11.88	19.69	7.06	246	1.31	0.0	0.20	75	1.925	"
1053	12.14	19.72	7.07	249	1.31	0.0	0.31	75	2.30	"
	Sample at 1055									

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
1	Cyanide	Grab	NaOH + Ascorbic	60ml Glass	SGS	Unfiltered	1055	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☒ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes interval

pH = ±0.1 SU	ORP = ±10
Cond. = ±3% mS/cm	Temp = ±3°
DO = ±10% or ±0.2 mg/l	Turb = ±10°

For low-flow, keep drawdown at less

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Groundwater Sampling Monitoring Form

Well ID	LBA-MW-08	Site ID	Former EPT Ithaca	Sample Date	09/26/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	9.51 ft btoc	Samplers	KGG		
Total Well Depth	18.4 ft btoc	Weather Conditions	68°F Indoors		
Screen Interval	8.3-18.4 ft bgs	Notes	Measured with Interface, No Product Measured or Observed.		
Intake Depth	16 ft btoc				

Instruments Used: ☐ Peristaltic ☐ 2" Bladder ☒ PDB ☒ Aqua ☒ HACH Kit ☒ Water Level Meter Other: ~~Bladder~~ Pump

Instrument Calibration Information

Notes on Calibration: Auto Cal at 0830 This Morning. Sensor SN 41214708. Head Unit SN. 15B043X

Well Purging Information

Start purge @ 1251 | End purge @ | Final Flow Rate 80 | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
1255	9.95	20.13	7.03	-182	1.97	69.6	1.27	150	0	Clear w/h Odor
1300	10.05	19.74	7.00	-185	1.98	61.2	0.00	100	0.75	Clear w/Odor
1305	10.50	19.65	6.98	-190	1.99	39.1	0.00	80	1.25	Clear w/odor
1310	10.81	19.44	6.98	-190	2.00	31.5	0.00	80	1.65	Clear w/odor
1315	11.21	19.45	6.97	-188	1.99	21.7	0.00	80	2.05	Clear w/odor
1320	11.49	19.38	6.97	-185	2.00	21.6	0.00	80	2.45	" "
1325	11.86	19.38	6.97	-183	2.00	20.3	0.00	80	2.85	" "
1330	12.17	19.27	6.96	-180	2.00	21.4	0.00	80	3.25	" "
1335	12.49	19.28	6.96	-179	2.00	13.6	0.00	80	3.65	" "
1340	12.80	19.33	6.95	-180	2.00	11.6	0.00	80	4.05	" "
1345	13.16	19.33	6.96	-180	2.00	12.1	0.00	80	4.45	" "
1350	13.46	19.24	6.95	-185	2.00	7.1	0.00	80	4.85	" "
1355	13.78	19.32	6.96	-189	2.00	8.8	0.00	80	5.25	" "
1400	14.05	19.29	6.96	-193	2.00	3.3	0.00	80	5.65	" "
1405	14.35	19.28	6.97	-197	2.00	0.9	0.00	80	6.05	" "
		Sample 1407								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
1	Cyanide	Grab	NaOH/Ascorbic Acid	500ml Glass	365	Unfiltered	1407	

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NT

For low-flow, keep drawdown at less than 0.3 feet

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Groundwater Sampling Monitoring Form

Well ID	WSP MW-08B	Site ID	Former EPT Ithaca	Sample Date	9/26/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	17.18 ft btoc	Samplers	Drew Bullinger		
Total Well Depth	21 ft btoc	Weather Conditions	Rainy		
Screen Interval	11-21 ft bgs	Notes	TD is 22.60	intake at 21.5	
Intake Depth	19.5 ft btoc				

Instruments Used: ☐ Peristaltic ☐ 2" Bladder ☑ PDB ☐ Horiba ☑ HACH Kit ☑ Water Level Meter Other ☐

Instrument Calibration Information

Notes on Calibration: cal @ 8:10 Horiba: U105676X Sonde: U118447X

pump 1000011270

Well Purging Information

Start purge @ 9:30 End purge @ 11:10 Final Flow Rate 75 HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
9:40	17.50	17.49	6.46	-232	1.31	15.7	3.03	150		
9:45	18.18	17.43	6.50	226	1.95	13.0	2.80	150	0.30	CNO
9:50	18.58	17.30	6.51	204	1.96	14.3	2.03	150	0.45	
9:55	18.75	17.17	6.51	152	1.99	13.4	1.47	80	0.53	Lowered
10:00										~~Dropped~~ Pump down to 1' off Bottom
10:20	19.14	17.57	7.56	120	2.07	26.4	1.81	80	0.61	
10:25	19.43	16.85	7.44	103	2.08	24.4	1.01	80	0.69	
10:30	19.75	16.71	7.42	35	2.09	22.6	0.89	75		
10:35	19.90	15.95	7.39	15	2.13	19.7	1.00	75	0.85	
10:40	20.10	15.81	7.38	6	2.14	17.6	0.96	75		
10:45	20.25	15.74	7.36	-2	2.16	16.5	0.77	75	1.00	
10:50	20.40	15.78	7.35	-12	2.17	15.9	0.55	75		
10:55	20.50	15.78	7.34	-22	2.19	15.9	0.37	75	1.15	
11:00	20.65	15.90	7.33	-30	2.19	14.8	0.21	75		
11:05	20.80	15.92	7.32	-39	2.20	16.0	0.05	75	1.30	CNO
										Low flow and sample as Normal

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	Cyanide							

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

recharge rate approximatly 30 mL/min
took readings till pumped "Dry" then went on 20 min to make sure pump and line are flushed out. Use para Stultic pump or Bailer

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Groundwater Sampling Monitoring Form

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Well ID	MW-SD 1600	Site ID	Former EPT Ithaca	Sample Date	9/28/24
Well Diameter	4 in	Sampling Event	Annual GW Sampling		
Depth to Water	109.89 ft btoc	Samplers	~~Ezra~~ Drew Billingsley		
Total Well Depth	1603 ft btoc	Weather Conditions	Cloudy		
Screen Interval	ft bgs	Notes	Horiba: U10SC76X		
Intake Depth	1600 ft btoc		Sonde: U11844TX		

pump SN 100001170

Instruments Used: ☐ Peristaltic ☐ Bladder ☐ PDB ☐ Horiba ☐ HACH Kit ☐ Water Level Meter ☐ Other _____

Instrument Calibration Information

Notes on Calibration: U11844TX, U10735SX Calibrated to manufacturer specifications

Well Purging Information

Start purge @ ~~1509~~ 13:00 | End purge @ 15:15 | Final Flow Rate 110 | HACH Kit Reading

Time	DTW (ft btoc)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Flow Rate (mL/min)	Purge Volume (L)	Appearance of Purge Water / Notes
13:25	109.06	17.55	8.27	-162	2.54	15.2	6.07	110	0.11	Clear
13:30	109.12	16.93	8.32	-189	2.50	7.4	5.13	110		
13:35	109.23	16.70	8.33	-208	2.47	3.7	4.37	110		
13:40	109.29	16.64	8.33	-217	2.45	16.3	4.30	110		
13:45	109.35	16.60	8.30	-219	2.45	17.0	4.59	110		
13:50	109.42	16.58	8.26	-220	2.44	20.4	4.09	110	0.66	
13:55	109.51	16.59	8.24	-222	2.44	19.0	3.69	110		
14:00	109.63	16.53	8.23	-223	2.44	22.1	3.19	110		
14:05	109.60	16.60	8.21	-225	2.43	22.4	2.80	110	0.99	
14:10	109.68	16.64	8.19	-226	2.42	21.0	2.47	110	1.10	
14:15	109.69	16.50	8.18	-226	2.42	23.5	2.11	110	1.21	
14:20	109.72	16.54	8.17	-227	2.41	26.5	1.70	110	1.32	
14:25	109.79	16.49	8.16	-228	2.41	29.5	1.46	110		
14:30	109.84	16.45	8.17	-229	2.40	31.9	1.18	110	1.54	
14:35	109.88	16.48	8.18	-231	2.39	38.1	0.83	110		
14:40										
14:45										Switch out gas tanks
14:50	109.69	16.87	8.23	-230	2.38	45.2	0.49	110	1.76	
14:55	109.79	16.73	8.25	-227	2.38	48.6	0.35	110		
15:00	109.89	16.62	8.20	-225	2.36	52.1	0.18	110	1.98	

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs							

QA/QC Information

	ID, if collected	Sample Time
Duplicate	MW-103	14:22
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-32B	Site ID	Former EPT Ithaca	Sample Date	9/24/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	4.55 ft btoc	Samplers	KGG, EAG		
Total Well Depth	11 ft btoc	Weather Conditions	61°F Cloudy		
Screen Interval	5-11 ft bgs	Notes	1 well Vol = 1.05 gal		
Intake Depth	ft btoc		3 well Vol = 3.15 gal		

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5843X; Horiba sensor U12746X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
0.25	17.42	6.70	104	1.94	11.28	11.1	11.28	Clear
0.5	17.54	6.75	127	1.96	10.74	5.9	10.74	Clear
0.75	17.58	6.83	142	1.97	10.60	13.3	10.60	Clear
1.0	17.54	6.89	160	2.01	5.66	16.2	5.66	Clear
1.25	17.53	6.94	170	2.02	10.48	24.3	10.48	Clear
1.50	17.45	6.99	181	2.00	10.18	68.4	10.18	Clear
1.75	17.35	7.09	190	2.04	10.58	64.6	10.58	Clear
2.0	17.35	7.11	192	2.05	10.50	102	10.50	Clear
2.25	17.28	7.11	197	2.06	8.43	211	8.43	Clear
2.50	17.22	7.14	202	2.06	7.90	222	7.90	Clear
2.75	17.21	7.20	204	2.06	9.03	109	9.03	Clear
3.0	17.20	7.23	205	2.06	5.64	71.3	5.64	Clear
3.15	17.16	7.26	208	2.01	9.40	54.9 NTU		Cloudy

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOC's	Grab	HCL	3x VOA	SGS	Unfiltered	1319	09/24/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-8-40	Site ID	Former EPT Ithaca	Sample Date	9/24/24
Well Diameter	3 in	Sampling Event	Annual GW Sampling		
Depth to Water	30.78 ft btoc	Samplers	KGG, EAG		
Total Well Depth	43.2 ft btoc	Weather Conditions	65°, Cloudy		
Screen Interval	17.1-43.2 ft bgs	Notes	1 Vol = ~~8.11~~ gal 4.56 gal (KG)		
Intake Depth	ft btoc		3 Vol = ~~25~~ ~~24.33~~ gal ~~73~~ 13.68 Well reduces down at 17.15 ft BTOC		
Instruments Used	☐ 2" Bailer ☐ 4" Bailer ☒ Horiba ☒ HACH Kit ☒ Water Level Meter Other:				

Internal Diameter inferred to be 3" for Volume Calculations (KG)

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5843X Horiba sensor U1127416X

Well Purging Information

Bailer #	Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
1 (KG)	~~1.0~~ INT	13.71	7.60	159	1.30	13.14	2.3		Clear
8 (KG)	~~3.0~~ 2.0	13.21	7.42	165	1.28	6.09	15.1		"
16 (KG)	~~5.0~~ 4.0	12.77	7.30	171	1.30	4.73	28.7		+ Cloudy (EAG)
24 (KG)	~~7.0~~ ~~6.0~~	12.93	7.25	170	1.30 (EAG)	~~1.52~~	152	4.97	"
4.25	Bailed dry at 4.25 gal; to be sampled within 24 hrs								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3xVOAs	SGS	Unfiltered	1549	09/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate	MW-100	1055
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-20B	**Site ID**	Former EPT Ithaca	**Sample Date**	09/24/25
Well Diameter	2 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	11.81 ft btoc	**Samplers**	KGG, EAG		
Total Well Depth	20.2 ft btoc	**Weather Conditions**	65°, Cloudy		
Screen Interval	15.2-20.2 ft bgs	**Notes**	1 Vol = 1.37 gal 3 Vol = 4.11 gal		
Intake Depth	ft btoc				

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter Other: _____

Instrument Calibration Information (Eng)

Notes on Calibration: Horiba head unit U5843X; Horiba sensor ~~U11276~~ U1127461X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
INT	13.88	7.34	158	0.703	7.42	12.6	7.42	Clear
0.5	13.69	7.26	182	0.686	10.59	9.1	10.59	Clear
~~1.00~~ 0.75	13.49	7.18	195	0.718	8.35	7.4	8.35	Clear
1.0	13.44	7.21	202	0.723	2.96	8.2	2.96	Clear
1.25	13.07	7.15	209	0.747	6.40	6.7	6.40	Clear
1.50	13.13	7.14	212	0.754	10.67	4.8	10.67	Clear
1.75	13.12	7.15	215	0.756	8.11	4.4	8.11	" "
2.0	12.96	7.14	215	0.767	7.16	6.3	7.16	" "
2.5	12.96	7.16	213	0.764	10.62	5.6	10.62	" "
2.75	12.89	7.19	219	0.767	10.73	8.6	10.73	" "
	Bailed Dry at 2.75 gal. To Return in 24 hours to Sample							

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3x VOAs	SGS	Unfiltered	1610	09/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

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Groundwater Sampling Monitoring Form

Well ID	MW-2B	**Site ID**	Former EPT Ithaca	**Sample Date**	09/24/24
Well Diameter	4 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	~~20.~~ 12.27 ft btoc	**Samplers**	KGG, EAG		
Total Well Depth	20.5 ft btoc	**Weather Conditions**	61° Cloudy		
Screen Interval	10.5-20.5 ft bgs	**Notes**	5.37 gal = 1 well volume 16.11 gal = 3 well volumes		
Intake Depth	ft btoc				

Instruments Used: ☐ 2" Bailer ☒ 4" Bailer ☐ Horiba ☐ HACH Kit ☐ Water Level Meter ☐ Other _____

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5843X, Horiba sensor U1127462

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
1.1	16.04	6.07	79	0.693	3.47	6.9		Clear
3.3	15.61	6.12	12	0.881	4.83	103		Cloudy
5.5	15.31	6.18	-66	0.940	5.27	242		"
6.5	15.18	6.11	-56	0.775	6.45	436		Baled dry at 6.75 gal, to be sampled within 24h

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	VOAs	SGS	Unfiltered	1424	09/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-13	Site ID	Forme: EPT Ithaca	Sample Date	09/24/24
Well Diameter	4 in	Sampling Event	Annual GW Sampling		
Depth to Water	15.84 ft btoc	Samplers	EJM, KGG, EAG		
Total Well Depth	20 ft btoc	Weather Conditions	61° Overcast		
Screen Interval	14.8-20 ft bgs	Notes	1x well volume = 2.72 gal 3x well volume = 8.16 gal		
Intake Depth	ft btoc				

Instruments Used: ☐ 2" Bailer ☐ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter ☒ Other: 3" Bailer

Instrument Calibration Information

Notes on Calibration: Horiba head unit U584X; Horiba sensor U11274EX

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
1.1	16.78	5.72	266	0.736	8.54	2.5		Cloudy
2.2	16.16	6.03	-35	0.751	5.68	95.7		"
3.3	16.12	6.15	-34	0.684	5.57	32.5		"
4.0 4.4 ~~5.5~~ (EAG)	15.98	6.07	-22	0.691	4.94	68.9		well baked dry @ 4 gal; to sample within 2 hr

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	VOA x3	SGS	Unfiltered	14:10	Sampled on 09/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-5B	**Site ID**	Former EPT Ithaca	**Sample Date**	9/24/24
Well Diameter	4 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	14.31 ft btoc	**Samplers**	KCG, EAG		
Total Well Depth	18.61 ~~21~~ ft btoc	**Weather Conditions**	61°F Cloudy		
Screen Interval	11-21 ft bgs	**Notes**	Confirmed TD at 18.61ft	1 Vol = ~~3.06 gal~~ (KG)	1.50 gal
Intake Depth	ft btoc			3 Vol = ~~9.18 gal~~ (KG)	4.50 gal

Instruments Used: ☐ 2" Bailer ☒ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter Other: _____

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5843X; Horiba sensor U1127461X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
~~1.1~~ 0.75	15.33	6.53	55	0.863	9.69	57.2		Clear
~~2.2~~ 1.0	15.25	6.59	24	1.016	~~10.9~~	16.9	8.77	"
~~3.3~~ 1.75	15.31	6.66	33	1.04	8.99	43.1		"
2.0	15.41	6.73	60	0.961	8.69	77.7		"
	Bailed DRY at 2 gal. Will return in 24 hours to sample.							

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3x VOAs	SGS	Unfiltered	1520	9/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-3B	**Site ID**	Former EPT Ithaca	**Sample Date**	09/24/24
Well Diameter	4 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	14.68 ft btoc	**Samplers**	EAG, KGG		
Total Well Depth	25 ft btoc	**Weather Conditions**	61°, Cloudy		
Screen Interval	15-25 ft bgs	**Notes**	1 vol = 6.74 gal 3 vol = 20.22 gal		
Intake Depth	ft btoc				

Instruments Used: ☐ 2" Bailer ☒ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5843X; Horiba sensor U1127460X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
1.1	16.05	6.30	78	1.08	6.58	9.9		Clear
3.3	15.02	6.30	114	1.08	5.48	15.9		Clear
5.5	14.83	6.31	128	1.10	5.83	234		Cloudy
7.0	14.66	6.35	-23	1.16	8.12	585		Cloudy
8.0	14.63	6.41	-48	1.14	5.42	513		Cloudy
	Well	Bailed	Dry @	8 gal.	Will Return within 24 hours to Sample.			

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3x VOAs	SGS	Unfiltered	1506	09/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	EW-14	**Site ID**	Former EPT Ithaca	**Sample Date**	09/24/24
Well Diameter	4 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	28.55 ft btoc	**Samplers**	EJM + DB		
Total Well Depth	41.10 ft btoc	**Weather Conditions**			
Screen Interval	ft bgs	**Notes**			
Intake Depth	ft btoc				

Instruments Used: ☐ 2" Bailer ☐ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☒ Other: _____

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5843X; Horiba sensor U1127446X

1 vol = 8.19

3 vol = 24.57

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Init	15.42	7.63	1	1.16	5.14	56.2		
4gal	14.88	7.85	6	1.16	1.83	119		
8gal	14.45	7.82	35	1.17	9.66	123		
Purged dry @ 11gal. Will return within 24 hours to assess recharge								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3x VOA	SGS	Unfiltered	1630	09/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-7B	**Site ID**	Former EPT Ithaca	**Sample Date**	09/24/24
Well Diameter	2 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	18.07 ft btoc	**Samplers**	EJM + DB		
Total Well Depth	21 ft btoc	**Weather Conditions**	60's Overcast		
Screen Interval	10-20 ft bgs	**Notes**			
Intake Depth	ft btoc				

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☒ Other: EMS sensor

Instrument Calibration Information

Notes on Calibration: Horiba ~~headunit~~ U11274EX; Horiba EMS ~~sensor~~ head unit U5843X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
Init	16.15	6.81	-159	1.32	~~2.62~~	571	2.62	
Purged dry @ 0.25 gal. Will return within 24 hours to assess recharge.								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3x VOAs	SGS	Unfiltered	1637	09/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-46-43C	**Site ID**	Former EPT Ithaca	**Sample Date**	09/24/24
Well Diameter	2 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	31.90 ft btoc	**Samplers**	KGG, WXD		
Total Well Depth	50 ft btoc	**Weather Conditions**	Rain, 65°		
Screen Interval	40-50 ft bgs	**Notes**	1 Vol = 1.65 gal		
Intake Depth	ft btoc		3 Vol = 4.95 gal		

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5843X; Horiba sensor U1127467

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
0.25	14.47	7.30	-91	1.22	8.86	12.6	8.86	Clear
0.75	14.08	7.17	-136	1.47	7.00	4.7	7.00	Clear
1.25	14.01	7.09	-139	1.38	4.94	8.7	4.94	Clear
1.75	13.96	7.01	-138	1.48	5.09	14.5	5.09	Clear
2.25	14.01	7.00	-139	1.50	10.06	18.6	10.06	Clear
2.75	14.08	6.80	-136	0.926	10.19	56.3	10.19	Clear
3.25	13.89	6.91	-143	1.90	10.07	10.2	10.07	Clear
3.75	13.91	6.93	-149	1.87	10.16	23.6	10.16	Clear
4.25	13.90	6.89	-149	1.92	5.47	37.1	5.47	Clear
4.5	13.91	6.92	-150	1.94	4.24	39.4	4.24	Clear
	Bailed	Dry at	4.5 gal.	To return	in 24	hours to	sample.	

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3x 40mL	SGS	Unfiltered	16:45	09/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-46-72C	Site ID	Former FPT Ithaca	Sample Date	9/24/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	69.95 ft btoc	Samplers	KGG, WXD		
Total Well Depth	84 ft btoc	Weather Conditions			
Screen Interval	68.6 - 83.6 ft bgs	Notes	1 Vol = 2.3 gal 3 Vol = 6.87 gal		
Intake Depth	ft btoc				

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Auto Cal used per manufacturer Instructions; ~~Horiba~~ head unit U5843X; Horiba sensor U112746X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
0.25	14.40	6.92	-7	2.15	10.04	11.6	10.04	Clear
0.75	14.30	6.97	6	2.06	5.66	9.3	5.66	Clear
1.25	14.30	6.96	17	2.29	4.19	2.3	4.19	Clear
1.75	14.22	7.05	30	2.28	4.64	~~13.1~~ 13.7	4.64	Clear
2.25	14.17	7.10	25	2.32	5.10	16.0	5.10	Clear
	Bailed Dry at 2.3 gal. Will Return in 24 hours for sampling.							

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3x VOA	SGS	Unfiltered	1653	9/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate	MW-101	1234
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-5-40	**Site ID**	Former EPT Ithaca	**Sample Date**	9/24/24
Well Diameter	3 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	29.45 ft btoc	**Samplers**	KGG, WXD		
Total Well Depth	40.3 ft btoc	**Weather Conditions**	Rain, 65°		
Screen Interval	17.3-40.3 ft bgs	**Notes**	1 well Vol = 3.98 Gal		
Intake Depth	ft btoc		3 well Vol = 11.94 Gal		

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5943X; Horiba sensor U1127416X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
INT	14.78	7.11	137	1.98	4.59	3.7	4.59	Cloudy
1.0	14.74	7.02	-9	2.02	10.50	10.9	10.50	Cloudy
2.0	14.78	7.05	-46	2.01	5.24	21.0	5.24	Cloudy
3.0	14.74	7.05	-88	2.04	6.31	126	6.31	Cloudy
~~4.0~~	Bailed Dry at 3.5 Gal will Return in 24 hours to sample.							

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3x VOAs	SGS	Unfiltered	1710	9/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-5-100	**Site ID**	Former EPT Ithaca	**Sample Date**	9/24/24
Well Diameter	2 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	94.61 ft btoc	**Samplers**	KGG, WXD		
Total Well Depth	99 ft btoc	**Weather Conditions**	65° light Rain		
Screen Interval	79-99 ft bgs	**Notes**	1 well Vol = 0.72 gal 3 well Vol = 2.16 gal		
Intake Depth	ft btoc				

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5843X; Horiba sensor U1127746X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
0.25	14.91	7.25	39	1.58	2.78	9.1	2.78	Clear
0.50	14.80	7.10	30	1.64	5.16	35.0	5.16	Clear
0.75	14.79	6.99	-55	1.61	0.94	71.8	0.94	Clear
	Bailed	Dry at	0.75 gal	Will	Return	in 24 hours	to sample	

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
3	VOCs	Grab	HCL	3x VOA	SGS	Unfiltered	1722	09/25/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☐ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-4B	**Site ID**	Former EPT Ithaca	**Sample Date**	09/25/24
Well Diameter	4 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	19.25 ft btoc	**Samplers**	KGG, WxD		
Total Well Depth	23 ft btoc	**Weather Conditions**	65°, Cloudy		
Screen Interval	15-20 ft bgs	**Notes**	1 vol = 2.45 gal		
Intake Depth	ft btoc		3 vol = 7.35 gal		

Instruments Used: ☐ 2" Bailer ☒ 4" Bailer ☐ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other _____

Instrument Calibration Information (CAL)

Notes on Calibration: Horiba head unit U5843X; Horiba Sensor ~~U~~ U1127416X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
INT	15.78	7.91	129	1.33	13.10	9.8		
2.0	15.60	7.34	-97	1.39	1.56	5.1		
3.0	15.50	7.05	-124	1.40	9.56	5.3		
(KG) ~~4.0~~	Well Bailed Dry at 3 gal. To Return in 24 hours to Sample							
Sampled at 0915 on 09-26-24.								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs	Grab	HCl	40mL vom	SGS	Unfiltered	0915	9/26/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD	MW-4B-MS/MSD	0915
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-18A	Site ID	Former EPT Ithaca	Sample Date	9/25/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	5.98 ft btoc	Samplers	KGG, WxD		
Total Well Depth	20 ft btoc	Weather Conditions	Cloudy, 65°		
Screen Interval	10-20 ft bgs	Notes	1 Vol = 2.24 Gal		
Intake Depth	ft btoc		3 Vol = 6.87 Gal		

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Auto Cal at 0805 this AM; Horiba head unit U5942x; Horiba sensor U1127461X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
INT	15.32	6.79	-153	1.14	12.33	22.3	12.33	Cloudy
0.5	15.77	6.50	-136	1.14	7.97	37.1	7.97	Cloudy
1.0	15.64	6.40	-128	1.15	8.82	35.7	8.82	"
1.5	15.40	6.34	-130	1.15	4.80	33.8	4.80	" "
2.0	15.07	6.29	-133	1.16	5.88	31.8	5.88	" "
2.5	14.76	6.25	-136	1.17	13.40	27.3	13.40	" "
3.0	14.65	6.24	-138	1.18	13.35	20.4	13.35	" "
3.5	14.32	6.23	-138	1.19	4.40	21.9	4.40	" "
4.0	14.13	6.21	-138	1.18	5.94	26.0	5.94	" "
4.5	13.98	6.21	-136	1.17	2.43	95.1	2.43	" "
5.0	13.67	6.19	-134	1.18	4.23	27.5	4.23	" "
	Bailed Dry at 5.0 Gal. To Return in 24 hours to sample.; Sample collected @ 1100 on 09-26-24							

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs	Grab	HCl	40mL vOA	SGS	unfiltered	1100	9/26/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD	MW-18A-MS/MSD	
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0 2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-22B	Site ID	Former EPT Ithaca	Sample Date	9/25/24
Well Diameter	2 in	Sampling Event	Annual GW Sampling		
Depth to Water	13.59 ft btoc	Samplers	KGG, WXD		
Total Well Depth	16.5 ft btoc	Weather Conditions	65°, Cloudy		
Screen Interval	11.5-16.5 ft bgs	Notes	1 well vol = 0.59 gal 3 vol = 1.41 gal		
Intake Depth	ft btoc				

Instruments Used: ☐ 2" Bailer ☐ 4" Bailer ☒ Horiba ☒ HACH Kit ☒ Water Level Meter Other: _____

Instrument Calibration Information

Notes on Calibration: Horiba head unit U5843X; Horiba sensor U1127410X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
INT	10.58	7.44	64	~~10.896~~ 10.36	10.36	3.3	10.36	Clear
0.5	15.87	6.96	106	0.898	4.66	9.4	4.66	Clear
0.75	15.48	6.79	113	0.918	4.16	17.6	4.16	Cloudy
1.0	15.34	6.75	113	0.921	13.53	14.5	13.53	Cloudy
	Bailed Dry at 1 Gal. To Return in 24 hours to sample							
Sampled at 1040 on 09-26-24								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs	Grab	HCl	40 mL VOA	SGS	unfiltered	1040	9/26/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling

☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	LBA-MW-23	**Site ID**	Former EPT Ithaca	**Sample Date**	9/25/24
Well Diameter	2 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	6.73 ft btoc	**Samplers**	IAG, WXD		
Total Well Depth	22.24 (soft) ft btoc	**Weather Conditions**	63° Cloudy		
Screen Interval	ft bgs	**Notes**	1 Vol = 2.53 gal		
Intake Depth	ft btoc		3 Vol = 7.59 gal		

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter Other: _____

Instrument Calibration Information

Notes on Calibration: Auto Cal @0805 this AM; Horiba head unit 068432, Horiba sensor U1127462

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
INT	16.43	7.19	3	0.885	5.16	13.9		cloudy
0.5	16.37	7.12	-49	0.879	1.52	8.3		
1.0	16.62	7.15	-45	0.850	3.13	19.8		
1.5	16.85	7.12	-39	0.838	[illegible]	49.9	1.70	
2.0	16.87	6.92	-35	0.662	5.24 (25)	95.3		
2.5	16.75	7.20	-33	0.842	2.75	123		
3.0	16.62	7.21	-15	0.868	3.21	140		
3.5	16.31	7.15	-10	0.890	2.89	121		
4.0	16.06	7.16	7	0.916	2.64	414		~ Purge dry, will return in 24hr to sample
Sampled @	1030	on 09	-26-24					

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs	Grab	HCl	40mL VOA	SGS	unfiltered	1030	9/26/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	MW-40T	**Site ID**	Former EPT Ithaca	**Sample Date**	09/25/24
Well Diameter	2 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	7.01 ft btoc	**Samplers**	KG, WXD		
Total Well Depth	18.68 ft btoc	**Weather Conditions**	63°, Cloudy		
Screen Interval	ft bgs	**Notes**	1 Vol = 1.90 gal		
Intake Depth	ft btoc		3 Vol = 5.70 gal		

Instruments Used: ☒ 2" Bailer ☐ 4" Bailer ☒ Horiba ☐ HACH Kit ☒ Water Level Meter ☐ Other: _____

Instrument Calibration Information

Notes on Calibration: Auto-Cal @0805 this AM; Horiba head unit U5843Y; Horiba sensor U1127460Y

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
TNT	17.31	7.17	-29	0.939	8.13	4.1		slightly cloudy, ~~fine~~ Sand Particle, odor
0.5	17.73	7.02	-70	0.976	8.14	16.2		
1.0	17.60	6.97	-89	0.957	13.31	17.2		
1.5	17.33	6.91	-99	0.970	5.11	16.1		
2.0	16.82	6.91	-105	0.975	4.46	11.7		
2.5	16.59	6.90	-186	0.974	~~5.11~~ gals	7.5	12.72	
3.0	16.46	6.92	-184	0.975	3.47	32.9		Purged dry, will return 24hrs to sample
Sampled at 1015 on 09-26-24								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs	Grab	HCl	40mL VOA	SGS	unfiltered	1015	9/26/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

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Groundwater Sampling Monitoring Form

Well ID	EW-13	**Site ID**	Former EPT Ithaca	**Sample Date**	09/25/24
Well Diameter	4 in	**Sampling Event**	Annual GW Sampling		
Depth to Water	26.92 ft btoc	**Samplers**	KGG, WxD		
Total Well Depth	40.17 ft btoc	**Weather Conditions**	Cloudy, 65°		
Screen Interval	ft bgs	**Notes**	Soft Bottom	1 well VOl = 8.65 gal	
Intake Depth	ft btoc			3 well VOl = 25.95 gal	

Instruments Used: ☐ 2" Bailer ☐ 4" Bailer ☒ Horiba ☒ HACH Kit ☒ Water Level Meter ☒ Other: _____

Instrument Calibration Information

Notes on Calibration: Cal with Auto-Cal; Horiba head unit U5843X; Horiba sensor U1127462X

Well Purging Information

Purge Volume (gal)	Temperature (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	DO (mg/L)	Notes
INT	15.81	5.93	163	0.424	9.23	0.7	9.23	Clear
4.0	14.98	7.54	51	0.334	7.19	78.0	7.19	Cloudy
8.0	14.74	8.50	28	0.322	7.32	50.3	7.32	Cloudy
11.0	14.37	9.12	13	0.321	13.83	282	13.83	Cloudy Pull & Sand From Well Pack
	Bailed Dry at 11 Gal. To Return in 24 hours to sample							
Sampled at 0950 on 09-26-24								

Laboratory Analysis Information

Bottle No.	Analytes	Collection Method	Preservative	Bottle Type	Lab Name	Filtered/ Unfiltered	Sample Time	Comments
	VOCs	Grab	HCl	40mL VOA	SGS	unfiltered	0950	9/26/24

QA/QC Information

	ID, if collected	Sample Time
Duplicate		
MS/MSD		
Other		

Dedicated Tubing Left in Well After Sampling: ☐ Yes ☒ No

Type of Tubing: ☐ Poly-bonded ☐ HDPE

Stabilization Parameters

3 consecutive readings at 5 minutes intervals

pH = ±0.1 SU	ORP = ±10 mV
Cond. = ±3% mS/cm	Temp = ±3% deg C
DO = ±10% or ±0.2 mg/l	Turb = ±10% or <10 NTU

For low-flow, keep drawdown at less than 0.3 feet.

APPENDIX

L DPE AND TREATMENT SYSTEM O&M FORMS

Operational Checklist

Former EPT
Ithaca, NY

Date: 1/9/2024 **Inspector:** Gregory Ernst

Arrival Time: 8:00 am **Weather Conditions:** Cloudy, breezy, 35 degrees, rai

Departure Time: 15:30

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

System Alarms Active Upon Arrival Na

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	47,323.9	screen
Motor Run Time (hrs.):	73,678.8	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	10.5	"Hg
VLSSG	Vapor Liquid Separator Site Glass	15	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	29.4	gal.
VI202	Particulate Filter Inlet Vacuum	0	"Hg
VI203	Particulate Filter Outlet Vacuum	7.5	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	26	scfm
TI201	Soil Vapor Extraction Discharge Temperature	165	°F
PI201	Soil Vapor Extraction Discharge Pressure	11.5	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	167,600	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**No**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**No**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. Last changed 11/14/22 40,470.4 hrs. Next oil change due **46,470 hours.**

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

None

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**130**	°F
TI203	Temperature Between the Carbon Units	**116**	°F

Description of Maintenance Actives Completed:

None

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**600**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Cleaned site glass

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**4,669.1**	screen
EQ Pump Run Time (hrs.):	**11,386.5**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**34**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**2**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**10**	psi
FT221	Bag Filtration Water Totalizer	**454,500.9**	gal
FT221	Bag Filtration Water Flow	**0**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**Yes**	If yes, which filters? **All**
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

Flow meter not working, needs replaced

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**47,181.9**	screen
AS Blower Run Time (hrs.)	**5,138.1**	gauge
AS Transfer Pump Run Time (hrs.)	**2,200.1**	screen
AS Transfer Pump Run Time (hrs.)	**5,448.8**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.6**	"W.C.
PI603	Back Pressure After Transfer Pump	**6**	psi
PI604	Sump Pressure	**30**	"W.C.
FT601	Flow Totalizer	**1,813,128.8**	gal
FT601	Flow Transmitter	**9.3**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Replaced transfer pump, P-601 due to leaking impeller chamber seal

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**27.5**	psi
PI612	Pressure After Carbon Vessel T611	**18**	psi
Effluent Flow	Totalizer	**1,604,475**	gal
Effluent Flow	Flow	**17**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

None

Air Compressor

Motor Run Time (hrs.)	**5,497.1**	screen
Motor Run Time (hrs.)	**13,253.5**	gauge

Nomenclature	***Description***	***Reading***	***Units***
PCV101	Pressure Regulator Valve	**135**	psi
PI-101	Conveyance Line Pressure	**105**	psi
TI-101	Compressed Air Temperature	**68**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Good**
Coalescing Filter Condition:	**Good**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 1/13/2022 at 11,231.2 hrs with new compressor pump. Next oil change Interval 13,231.2 hrs. or by 1/13/2023.

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**No**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**

Other (please specify in detail):	**Closed building vents for the winter months.**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**Yes**	
NYSEG Meter Reading (kwh)	**392,550**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**12**	psi
Cycle Count	**687,593**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**6.0**	psi
Cycle Count	**92,502**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**7.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**3**	psi
Cycle Count	**84,105**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**6.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**2**	psi
Cycle Count	**128,422**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**835,324**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0.0**	psi
Cycle Count	**117,766**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**7.0**	psi
Cycle Count	**383,445**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**7**	psi
Cycle Count	**568,288**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**213,863**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**5.0**	psi
Cycle Count	**596,535**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,291**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,441**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**70**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Date: 2/6/2024 **Inspector:** Gregory Ernst

Arrival Time: 8:00 **Weather Conditions:** Clear, calm, 30's

Departure Time: 16:00

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

System Alarms Active Upon Arrival Na

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	47,937.4	screen
Motor Run Time (hrs.):	73,678.9	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	-9.5	"Hg
VLSSG	Vapor Liquid Separator Site Glass	15	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	29.4	gal.
VI202	Particulate Filter Inlet Vacuum	0	"Hg
VI203	Particulate Filter Outlet Vacuum	-7.5	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	260	scfm
TI201	Soil Vapor Extraction Discharge Temperature	155	°F
PI201	Soil Vapor Extraction Discharge Pressure	11.5	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	168,723	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**No**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**No**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. New Blower 7/13/23 44,259 hours. **Oil change needed at 50,259 hours**.

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

None

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**115**	°F
TI203	Temperature Between the Carbon Units	**110**	°F

Description of Maintenance Actives Completed:

None

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**600**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**4,740.4**	screen
EQ Pump Run Time (hrs.):	**11,457.6**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**35**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**454,502.2**	gal
FT221	Bag Filtration Water Flow	**0**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**No**	If yes, which filters?
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**47,742.1**	screen
AS Blower Run Time (hrs.)	**5,689.6**	gauge
AS Transfer Pump Run Time (hrs.)	**2,228.2**	screen
AS Transfer Pump Run Time (hrs.)	**5,476.0**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.7**	"W.C.
PI603	Back Pressure After Transfer Pump	**5.5**	psi
PI604	Sump Pressure	**31**	"W.C.
FT601	Flow Totalizer	**1,827,131.6**	gal
FT601	Flow Transmitter	**8.2**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Adjust butterfly valve off blower to lessen pressure in stripper.

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**27.5**	psi
PI612	Pressure After Carbon Vessel T611	**18**	psi
Effluent Flow	Totalizer	**1,629,753**	gal
Effluent Flow	Flow	**16**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

NA

Air Compressor

Motor Run Time (hrs.)	**5,574.6**	screen
Motor Run Time (hrs.)	**13,330.9**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PCV101	Pressure Regulator Valve	**125**	psi
PI-101	Conveyance Line Pressure	**100**	psi
TI-101	Compressed Air Temperature	**66**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**Yes**
Belt Condition:	**Good**
Coalescing Filter Condition:	**Good**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 2/6/2024 at 13,331 hours.

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**No**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**

Other (please specify in detail):	**Replaced floor sump pump and piping.**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**Yes**	
NYSEG Meter Reading (kwh)	**404,351**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**5**	psi
Cycle Count	**732,902**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-8.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**3.0**	psi
Cycle Count	**107,223**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**125**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-7.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**1**	psi
Cycle Count	**89,847**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-7.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4**	psi
Cycle Count	**137,523**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-9**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4**	psi
Cycle Count	**909,484**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3.0**	psi
Cycle Count	**117,771**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**6.0**	psi
Cycle Count	**395,643**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**5**	psi
Cycle Count	**590,678**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-7.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**2**	psi
Cycle Count	**217,396**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-10**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**6.0**	psi
Cycle Count	**600,773**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-10.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,289**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,444**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**70**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Date: 3/6/2024 **Inspector:** Gregory Ernst

Arrival Time: 0730 **Weather Conditions:** Rain

Departure Time: 1630

Reason for Visit (check all that apply):

Bi-Weekly O&M ____ Collect influent/effluent samples ____

Monthly O&M ✓ Assist with carbon changeout ____

Other ____

System Alarms Active Upon Arrival **2/28/24 phase volt fault, emergency stop and air compressor low pressure**

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	**48,470.4**	screen
Motor Run Time (hrs.):	**73,678.9**	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	**9.5**	"Hg
VLSSG	Vapor Liquid Separator Site Glass	**4**	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	**7.8**	gal.
VI202	Particulate Filter Inlet Vacuum	**0**	"Hg
VI203	Particulate Filter Outlet Vacuum	**7.5**	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	**260**	scfm
TI201	Soil Vapor Extraction Discharge Temperature	**165**	°F
PI201	Soil Vapor Extraction Discharge Pressure	**10**	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	**169,396**	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**No**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**Yes**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. New Blower 7/13/23 44,259 hours. **Oil change needed at 50,259 hours**.

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**120**	°F
TI203	Temperature Between the Carbon Units	**108**	°F

Description of Maintenance Actives Completed:

Na

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**600**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Clean sight gauge

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**4,784.3**	screen
EQ Pump Run Time (hrs.):	**11,505.6**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**35**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0.5**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**8**	psi
FT221	Bag Filtration Water Totalizer	**454,502.3**	gal
FT221	Bag Filtration Water Flow	**0**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**No**	If yes, which filters?
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**48,275.2**	screen
AS Blower Run Time (hrs.)	**6,214.6**	gauge
AS Transfer Pump Run Time (hrs.)	**2,243.5**	screen
AS Transfer Pump Run Time (hrs.)	**5,490.5**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.6**	"W.C.
PI603	Back Pressure After Transfer Pump	**2**	psi
PI604	Sump Pressure	**31**	"W.C.
FT601	Flow Totalizer	**1,834,645.6**	gal
FT601	Flow Transmitter	**8.1**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Tighten air stripper door, small seep from lower left corner

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**27**	psi
PI612	Pressure After Carbon Vessel T611	**17**	psi
Effluent Flow	Totalizer	**1,643,336**	gal
Effluent Flow	Flow	**15**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Cleaned discharge piping vent behind poly tank, has been leaking.

Air Compressor

Motor Run Time (hrs.)	**5,634.9**	screen
Motor Run Time (hrs.)	**13,390.9**	gauge

Nomenclature	***Description***	***Reading***	***Units***
PCV101	Pressure Regulator Valve	**120**	psi
PI-101	Conveyance Line Pressure	**100**	psi
TI-101	Compressed Air Temperature	**72**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Fair, needed tightened**
Coalescing Filter Condition:	**Good**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 1/13/2022 at 11,231.2 hrs with new compressor pump. Next oil change Interval 13,231.2 hrs. or by 1/13/2023.

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Tightened belt

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**No**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**

Other (please specify in detail):	**Na**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**Yes**	
NYSEG Meter Reading (kwh)	**415,049**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**12**	psi
Cycle Count	**771,553**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4.0**	psi
Cycle Count	**119,161**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**2.5**	psi
Cycle Count	**93,377**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**7.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**3**	psi
Cycle Count	**142,596**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4.5**	psi
Cycle Count	**909,484**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0.0**	psi
Cycle Count	**117,772**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**5.0**	psi
Cycle Count	**406,126**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**4**	psi
Cycle Count	**610,581**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0.5**	psi
Cycle Count	**220,643**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**6.0**	psi
Cycle Count	**606,297**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**10.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,319**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,445**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Date: 4/23/2024 **Inspector:** Gregory Ernst

Arrival Time: 8:00 **Weather Conditions:** Clear, calm, 45

Departure Time: 14:00

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

System Alarms Active Upon Arrival **Phase/voltage fault, air compressor low pressure**

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	**49,638.8**	screen
Motor Run Time (hrs.):	**73,678.9**	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	**-10.0**	"Hg
VLSSG	Vapor Liquid Separator Site Glass	**22**	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	**43.1**	gal.
VI202	Particulate Filter Inlet Vacuum	**-4.5**	"Hg
VI203	Particulate Filter Outlet Vacuum	**-7.5**	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	**260**	scfm
TI201	Soil Vapor Extraction Discharge Temperature	**195**	°F
PI201	Soil Vapor Extraction Discharge Pressure	**11**	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	**169,628**	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**Yes**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**Yes**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. New Blower 7/13/23 44,259 hours. **Oil change needed at 50,259 hours**.

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

None

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**145**	°F
TI203	Temperature Between the Carbon Units	**134**	°F

Description of Maintenance Actives Completed:

None

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**525**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Cleaned site glass

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**4,902.1**	screen
EQ Pump Run Time (hrs.):	**11,619.3**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**34**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**2**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**454,502.3**	gal
FT221	Bag Filtration Water Flow	**0**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**No**	If yes, which filters?
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

Flow meter not working

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**49,434.7**	screen
AS Blower Run Time (hrs.)	**7,356.2**	gauge
AS Transfer Pump Run Time (hrs.)	**2,285.8**	screen
AS Transfer Pump Run Time (hrs.)	**5,531.8**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.5**	"W.C.
PI603	Back Pressure After Transfer Pump	**37**	psi
PI604	Sump Pressure	**31.5**	"W.C.
FT601	Flow Totalizer	**1,855,131.9**	gal
FT601	Flow Transmitter	**7.9**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**27**	psi
PI612	Pressure After Carbon Vessel T611	**17**	psi
Effluent Flow	Totalizer	**1,680,417**	gal
Effluent Flow	Flow	**14**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Air Compressor

Motor Run Time (hrs.)	**5,790.5**	screen
Motor Run Time (hrs.)	**13,545.7**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PCV101	Pressure Regulator Valve	**140**	psi
PI-101	Conveyance Line Pressure	**115**	psi
TI-101	Compressed Air Temperature	**82**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Fair**
Coalescing Filter Condition:	**Good**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 1/13/2022 at 11,231.2 hrs with new compressor pump. Next oil change Interval 13,231.2 hrs. or by 1/13/2023.

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**Yes**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**

Other (please specify in detail):	**Need FE inspections and new tags.**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**Yes**	
NYSEG Meter Reading (kwh)	**436,467**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-10**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**2**	psi
Cycle Count	**880,155**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-9.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**6.0**	psi
Cycle Count	**145,655**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**125**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-10.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**97,585**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-9.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**1**	psi
Cycle Count	**155,168**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-10.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4**	psi
Cycle Count	**909,484**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**130**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-9.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**4.5**	psi
Cycle Count	**118,226**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-9**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**6.0**	psi
Cycle Count	**437,553**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-9.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**668,025**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**-9.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**1**	psi
Cycle Count	**220,754**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**115**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-9**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**6.0**	psi
Cycle Count	**617,890**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-11.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,320**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**-9**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,454**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Date: 5/17/2024 **Inspector:** Gregory Ernst

Arrival Time: 0730 **Weather Conditions:** Clear, calm, 70

Departure Time: 13:30

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

System Alarms Active Upon Arrival NA

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	50,174.7	screen
Motor Run Time (hrs.):	73,679.0	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	10.0	"Hg
VLSSG	Vapor Liquid Separator Site Glass	24	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	47.0	gal.
VI202	Particulate Filter Inlet Vacuum	2	"Hg
VI203	Particulate Filter Outlet Vacuum	7.5	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	260	scfm
TI201	Soil Vapor Extraction Discharge Temperature	180	°F
PI201	Soil Vapor Extraction Discharge Pressure	11.5	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	169,651	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**Yes**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**No**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. New Blower 7/13/23 44,259 hours. **Oil change needed at 50,259 hours**.

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

NA

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0.0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**140**	°F
TI203	Temperature Between the Carbon Units	**134**	°F

Description of Maintenance Actives Completed:

NA

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**710**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Cleaned site glass

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**4,943.3**	screen
EQ Pump Run Time (hrs.):	**11,660.4**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**34**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**454,502.7**	gal
FT221	Bag Filtration Water Flow	**0**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**No**	If yes, which filters?
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

Meter replacement

Description of Maintenance Actives Completed:

NA

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**49,956.8**	screen
AS Blower Run Time (hrs.)	**7,870.3**	gauge
AS Transfer Pump Run Time (hrs.)	**2,302.0**	screen
AS Transfer Pump Run Time (hrs.)	**5,547.8**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.5**	"W.C.
PI603	Back Pressure After Transfer Pump	**37**	psi
PI604	Sump Pressure	**31**	"W.C.
FT601	Flow Totalizer	**1,862,808.7**	gal
FT601	Flow Transmitter	**8.3**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

NA

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**28**	psi
PI612	Pressure After Carbon Vessel T611	**17**	psi
Effluent Flow	Totalizer	**1,694,442**	gal
Effluent Flow	Flow	**15**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

NA

Air Compressor

Motor Run Time (hrs.)	**5,850.3**	screen
Motor Run Time (hrs.)	**13,604.9**	gauge

Nomenclature	***Description***	***Reading***	***Units***
PCV101	Pressure Regulator Valve	**120**	psi
PI-101	Conveyance Line Pressure	**100**	psi
TI-101	Compressed Air Temperature	**76**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Fair**
Coalescing Filter Condition:	**Good**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 1/13/2022 at 11,231.2 hrs with new compressor pump. Next oil change Interval 13,231.2 hrs. or by 1/13/2023.

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

NA

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**Yes**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**
Other (please specify in detail):	**NA**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**Yes**	
NYSEG Meter Reading (kwh)	**7,826**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**10**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**923,889**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

NA

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4.0**	psi
Cycle Count	**156,689**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

NA

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.5**	psi
Cycle Count	**100,501**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

NA

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**156,620**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

NA

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**10.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4**	psi
Cycle Count	**909,484**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

NA

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**2.0**	psi
Cycle Count	**120,441**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**110**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

NA

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**5.0**	psi
Cycle Count	**448,574**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

NA

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**9.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**684,078**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

NA

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**9.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**10**	psi
Cycle Count	**233,023**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

NA

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**10**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**1.0**	psi
Cycle Count	**624,673**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

NA

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**10.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,320**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

NA

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,483**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

NA

Operational Checklist

Former EPT
Ithaca, NY

Date: 6/5/2024 **Inspector:** Gregory Ernst

Arrival Time: 7:30 **Weather Conditions:** Clear, calm, warm

Departure Time: 14:30

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

System Alarms Active Upon Arrival Na

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	50,638.6	screen
Motor Run Time (hrs.):	73,679.1	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	10.0	"Hg
VLSSG	Vapor Liquid Separator Site Glass	28	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	54.8	gal.
VI202	Particulate Filter Inlet Vacuum	3.5	"Hg
VI203	Particulate Filter Outlet Vacuum	7.5	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	260	scfm
TI201	Soil Vapor Extraction Discharge Temperature	190	°F
PI201	Soil Vapor Extraction Discharge Pressure	11	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	169,724	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**Yes**
Grease Lubrication Added (yes/no):	**No**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**Yes**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. Last changed 6/5/24 at 50,638 hours. Next oil change due **56,638 hours.**

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**150**	°F
TI203	Temperature Between the Carbon Units	**136**	°F

Description of Maintenance Actives Completed:

Na

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**700**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**4,968.8**	screen
EQ Pump Run Time (hrs.):	**11,685.9**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**34**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**454,502.7**	gal
FT221	Bag Filtration Water Flow	**0**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**No**	If yes, which filters?
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

Flow meter not working

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**50,344.0**	screen
AS Blower Run Time (hrs.)	**8,251.5**	gauge
AS Transfer Pump Run Time (hrs.)	**2,312.9**	screen
AS Transfer Pump Run Time (hrs.)	**5,558.5**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.5**	"W.C.
PI603	Back Pressure After Transfer Pump	**37**	psi
PI604	Sump Pressure	**31**	"W.C.
FT601	Flow Totalizer	**1,867,832.5**	gal
FT601	Flow Transmitter	**7.6**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**29**	psi
PI612	Pressure After Carbon Vessel T611	**16**	psi
Effluent Flow	Totalizer	**1,703,686**	gal
Effluent Flow	Flow	**16**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Air Compressor

Motor Run Time (hrs.)	**6,008.3**	screen
Motor Run Time (hrs.)	**13,762.2**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PCV101	Pressure Regulator Valve	**140**	psi
PI-101	Conveyance Line Pressure	**120**	psi
TI-101	Compressed Air Temperature	**88**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Fair**
Coalescing Filter Condition:	**Good**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 1/13/2022 at 11,231.2 hrs with new compressor pump. Next oil change Interval 13,231.2 hrs. or by 1/13/2023.

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**Yes**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**
Other (please specify in detail):	**Na**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**Yes**	
NYSEG Meter Reading (kwh)	**15,702**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**9**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**937,039**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**115**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Pump stuck. Pulled, cleaned and reinstalled, working at departure. Back flow preventer leaking and needs to be replaced.

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**2.5**	psi
Cycle Count	**167,338**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**1**	psi
Cycle Count	**101,635**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.5**	psi
Cycle Count	**158,315**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4**	psi
Cycle Count	**909,491**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Checked cycling, working ok.

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**4.0**	psi
Cycle Count	**120,561**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**115**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**5.0**	psi
Cycle Count	**456,242**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**694,379**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**235,727**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**115**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**10**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**2.0**	psi
Cycle Count	**629,678**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**12.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,320**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,496**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Date: 7/3/2024 **Inspector:** Gregory Ernst

Arrival Time: 1000 **Weather Conditions:** Clear, hot, humid

Departure Time: 1830

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

System Alarms Active Upon Arrival Na

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	51,323.5	screen
Motor Run Time (hrs.):	73,679.2	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	10.0	"Hg
VLSSG	Vapor Liquid Separator Site Glass	20	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	39.2	gal.
VI202	Particulate Filter Inlet Vacuum	3.5	"Hg
VI203	Particulate Filter Outlet Vacuum	7.5	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	260	scfm
TI201	Soil Vapor Extraction Discharge Temperature	195	°F
PI201	Soil Vapor Extraction Discharge Pressure	10	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	169,896	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**No**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**Yes**
Particulate Filter Changeout (yes/no)	**Yes**

Oil change Needed Every 6,000 hrs. Last changed 11/14/22 40,470.4 hrs. Next oil change due **46,470 hours.**

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0.0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**145**	°F
TI203	Temperature Between the Carbon Units	**132**	°F

Description of Maintenance Actives Completed:

Na

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**300**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**5,007.4**	screen
EQ Pump Run Time (hrs.):	**11,724.5**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**34**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**Not Working**	gal
FT221	Bag Filtration Water Flow	**0**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**Yes**	If yes, which filters? **All**
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

Flow meter still not working

Description of Maintenance Actives Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**51,030.5**	screen
AS Blower Run Time (hrs.)	**8,927.5**	gauge
AS Transfer Pump Run Time (hrs.)	**2,330.7**	screen
AS Transfer Pump Run Time (hrs.)	**5,576.1**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.6**	"W.C.
PI603	Back Pressure After Transfer Pump	**8**	psi
PI604	Sump Pressure	**30**	"W.C.
FT601	Flow Totalizer	**1,875,731.6**	gal
FT601	Flow Transmitter	**5.8**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**Yes**

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**28**	psi
PI612	Pressure After Carbon Vessel T611	**17**	psi
Effluent Flow	Totalizer	**1,717,945**	gal
Effluent Flow	Flow	**17**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

NA

Description of Maintenance Actives Completed:

Na

Air Compressor

Motor Run Time (hrs.)	**6,150.4**	screen
Motor Run Time (hrs.)	**13,903.3**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PCV101	Pressure Regulator Valve	**140**	psi
PI-101	Conveyance Line Pressure	**135**	psi
TI-101	Compressed Air Temperature	**90**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Fair**
Coalescing Filter Condition:	**Good**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 1/13/2022 at 11,231.2 hrs with new compressor pump. Next oil change Interval 13,231.2 hrs. or by 1/13/2023.

Additional Maintenance Needed:

New belt to be installed

Description of Maintenance Actives Completed:

New air filter on compressor

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**Yes**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**
Other (please specify in detail):	**Na**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**Yes**	
NYSEG Meter Reading (kwh)	**27,166**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**10**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**981,138**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**6.0**	psi
Cycle Count	**179,240**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**10.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4**	psi
Cycle Count	**104,633**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**10.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**160,784**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**11**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**3**	psi
Cycle Count	**909,491**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**130**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**5.0**	psi
Cycle Count	**121,039**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**9**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**9.0**	psi
Cycle Count	**470,083**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**9.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**7**	psi
Cycle Count	**708,157**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**10.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0.5**	psi
Cycle Count	**238,538**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**115**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**10**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**636,431**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**10.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,320**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**7.0**	psi
Cycle Count	**2,530**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Date: 8/12/2024 **Inspector:** Gregory Ernst

Arrival Time: 0800 **Weather Conditions:** Partly Cloudy, 60's

Departure Time: 1530

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

System Alarms Active Upon Arrival **VFD (App EA-HTTP exe encountered serious error and must shutdown)**

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	**52,237.6**	screen
Motor Run Time (hrs.):	**73,679.2**	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	**9.0**	"Hg
VLSSG	Vapor Liquid Separator Site Glass	**4**	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	**7.8**	gal.
VI202	Particulate Filter Inlet Vacuum	**0**	"Hg
VI203	Particulate Filter Outlet Vacuum	**7.5**	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	**440**	scfm
TI201	Soil Vapor Extraction Discharge Temperature	**160**	°F
PI201	Soil Vapor Extraction Discharge Pressure	**11**	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	**169,911**	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**Yes**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**No**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. Last changed 6/5/24 50,638 hrs. Next oil change due **56,638 hours.**

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0.0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**130**	°F
TI203	Temperature Between the Carbon Units	**120**	°F

Description of Maintenance Actives Completed:

None

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**600**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Cleaned Sight Glass

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**5,057.1**	screen
EQ Pump Run Time (hrs.):	**11,774.2**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**33**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**Offline**	psi
PI225	Water Pressure Between PF-225 and PF-226	**Offline**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**454,504.3**	gal
FT221	Bag Filtration Water Flow	**0**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**No**	If yes, which filters?
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

Repaired piping on drain of third filter vessel. Threads in poor condition. Leak was able to be stopped.

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**51,944.6**	screen
AS Blower Run Time (hrs.)	**9,827.5**	gauge
AS Transfer Pump Run Time (hrs.)	**2,354.8**	screen
AS Transfer Pump Run Time (hrs.)	**5,600.1**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.5**	"W.C.
PI603	Back Pressure After Transfer Pump	**38**	psi
PI604	Sump Pressure	**32**	"W.C.
FT601	Flow Totalizer	**1,886,162.8**	gal
FT601	Flow Transmitter	**6.9**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**30**	psi
PI612	Pressure After Carbon Vessel T611	**15**	psi
Effluent Flow	Totalizer	**1,736,899**	gal
Effluent Flow	Flow	**14**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Air Compressor

Motor Run Time (hrs.)	**6,265.9**	screen
Motor Run Time (hrs.)	**14,017.5**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PCV101	Pressure Regulator Valve	**145**	psi
PI-101	Conveyance Line Pressure	**120**	psi
TI-101	Compressed Air Temperature	**74**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Ok**
Coalescing Filter Condition:	**Ok**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 1/13/2022 at 11,231.2 hrs with new compressor pump. Next oil change Interval 13,231.2 hrs. or by 1/13/2023.

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**Yes**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**
Other (please specify in detail):	**Na**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**No - Off**	
NYSEG Meter Reading (kwh)	**41,403**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**24,856**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**115**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**6.0**	psi
Cycle Count	**192,466**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**130**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**7**	psi
Cycle Count	**108,057**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4**	psi
Cycle Count	**166,920**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**125**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**933,667**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**8.5**	psi
Cycle Count	**121,539**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**7.0**	psi
Cycle Count	**486,451**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**7**	psi
Cycle Count	**733,425**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**115**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**240,109**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**110**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**7.0**	psi
Cycle Count	**645,638**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**-**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,320**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Na

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4.0**	psi
Cycle Count	**2,600**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Na

Operational Checklist

Former EPT
Ithaca, NY

Date: 9/9/2024 **Inspector:** Gregory Ernst

Arrival Time: 0800 **Weather Conditions:** Clear, 60's

Departure Time: 1530

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

System Alarms Active Upon Arrival **None**

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	**52,843.6**	screen
Motor Run Time (hrs.):	**73,679.3**	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	**9.0**	"Hg
VLSSG	Vapor Liquid Separator Site Glass	**0**	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	**0.0**	gal.
VI202	Particulate Filter Inlet Vacuum	**0**	"Hg
VI203	Particulate Filter Outlet Vacuum	**7.5**	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	**260**	scfm
TI201	Soil Vapor Extraction Discharge Temperature	**160**	°F
PI201	Soil Vapor Extraction Discharge Pressure	**10**	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	**169,914**	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**Yes**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**No**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. Last changed 6/5/24 50,638 hrs. Next oil change due **56,638 hours.**

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0.0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**124**	°F
TI203	Temperature Between the Carbon Units	**106**	°F

Description of Maintenance Actives Completed:

None

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**500**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Cleaned Sight Glass

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**5,085.6**	screen
EQ Pump Run Time (hrs.):	**11,802.6**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**33**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**Not working**	gal
FT221	Bag Filtration Water Flow	**Not working**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**No**	If yes, which filters?
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

None, with the exception of meter functionality.

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**52,550.6**	screen
AS Blower Run Time (hrs.)	**10,424.2**	gauge
AS Transfer Pump Run Time (hrs.)	**2,369.0**	screen
AS Transfer Pump Run Time (hrs.)	**5,614.1**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.5**	"W.C.
PI603	Back Pressure After Transfer Pump	**38**	psi
PI604	Sump Pressure	**31**	"W.C.
FT601	Flow Totalizer	**1,892,160.7**	gal
FT601	Flow Transmitter	**6.1**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**31**	psi
PI612	Pressure After Carbon Vessel T611	**14**	psi
Effluent Flow	Totalizer	**1,747,533**	gal
Effluent Flow	Flow	**15**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Air Compressor

Motor Run Time (hrs.)	**6,334.6**	screen
Motor Run Time (hrs.)	**14,085.8**	gauge

Nomenclature	***Description***	***Reading***	***Units***
PCV101	Pressure Regulator Valve	**130**	psi
PI-101	Conveyance Line Pressure	**95**	psi
TI-101	Compressed Air Temperature	**70**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Ok**
Coalescing Filter Condition:	**Ok**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 1/13/2022 at 11,231.2 hrs with new compressor pump. Next oil change Interval 13,231.2 hrs. or by 1/13/2023.

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**Yes**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**

Other (please specify in detail):	**Sweep and mop floor.**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**No**	
NYSEG Meter Reading (kwh)	**51,063**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**53,663**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**4.5**	psi
Cycle Count	**200,420**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**7.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**2**	psi
Cycle Count	**109,051**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**171,102**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**9**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**9**	psi
Cycle Count	**943,069**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**115**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0.0**	psi
Cycle Count	**121,542**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**115**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**7.0**	psi
Cycle Count	**495,106**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**7**	psi
Cycle Count	**750,485**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**2.5**	psi
Cycle Count	**240,811**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**7.0**	psi
Cycle Count	**650,754**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**-**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,320**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,650**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Date: 10/11/2024 **Inspector:** Gregory Ernst

Arrival Time: 0900 **Weather Conditions:** Clear, 50's - 60's

Departure Time: 1530

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

System Alarms Active Upon Arrival **None**

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	**53,363.8**	screen
Motor Run Time (hrs.):	**73,679.3**	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	**-9.0**	"Hg
VLSSG	Vapor Liquid Separator Site Glass	**0**	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	**0.0**	gal.
VI202	Particulate Filter Inlet Vacuum	**0**	"Hg
VI203	Particulate Filter Outlet Vacuum	**-7.5**	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	**260**	scfm
TI201	Soil Vapor Extraction Discharge Temperature	**160**	°F
PI201	Soil Vapor Extraction Discharge Pressure	**11**	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	**169,914**	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**Yes**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**No**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. Last changed 6/5/24 50,638 hrs. Next oil change due **56,638 hours.**

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Vapor Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0.0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**125**	°F
TI203	Temperature Between the Carbon Units	**120**	°F

Description of Maintenance Actives Completed:

None

Equalization Tank

Nomenclature	*Description*	*Reading*	*Units*
EQSG	Equalization Tank Site Glass	**425**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Cleaned Sight Glass

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**5,110.4**	screen
EQ Pump Run Time (hrs.):	**11,827.4**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**32**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**454,505.0**	gal
FT221	Bag Filtration Water Flow	**Not working**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**Yes**	If yes, which filters? **All**
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

New flowmeter, intake valve and check valve.

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**53,034.2**	screen
AS Blower Run Time (hrs.)	**10,900.3**	gauge
AS Transfer Pump Run Time (hrs.)	**2,382.3**	screen
AS Transfer Pump Run Time (hrs.)	**5,627.3**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.5**	"W.C.
PI603	Back Pressure After Transfer Pump	**38**	psi
PI604	Sump Pressure	**32**	"W.C.
FT601	Flow Totalizer	**1,897,613.1**	gal
FT601	Flow Transmitter	**7.2**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

Cleaned site glass, greased blower motor.

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**30**	psi
PI612	Pressure After Carbon Vessel T611	**13**	psi
Effluent Flow	Totalizer	**1,757,481**	gal
Effluent Flow	Flow	**14**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Air Compressor

Motor Run Time (hrs.)	**6,391.5**	screen
Motor Run Time (hrs.)	**14,142.6**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PCV101	Pressure Regulator Valve	**120**	psi
PI-101	Conveyance Line Pressure	**95**	psi
TI-101	Compressed Air Temperature	**73**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Ok**
Coalescing Filter Condition:	**Ok**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 6/5/2024 at 13,762 hrs. Next oil change Interval 15,762 hrs. or by 6/2025

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**Yes**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**
Other (please specify in detail):	**N/A**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**No**	
NYSEG Meter Reading (kwh)	**59,267**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**6.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**84,784**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3.0**	psi
Cycle Count	**207,737**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**1**	psi
Cycle Count	**110,434**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-4	
Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**7.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**172,967**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-5	
Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.5**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**948,631**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**11.0**	psi
Cycle Count	**121,546**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**110**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**6.0**	psi
Cycle Count	**501,546**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**760,793**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**241,320**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**5.0**	psi
Cycle Count	**655,482**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**-**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Corroded air line valve, recommend replacement.

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**127,320**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Corroded air line valve, recommend replacement.

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,678**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Corroded air line valve, recommend replacement.

Operational Checklist

Former EPT
Ithaca, NY

Date: 11/22/2024 **Inspector:** Gregory Ernst

Arrival Time: 0800 **Weather Conditions:** Rain/snow 30-40°

Departure Time: 1700

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

_____

System Alarms Active Upon Arrival **None**

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	**54,259.2**	screen
Motor Run Time (hrs.):	**73,679.4**	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	**-9.0**	"Hg
VLSSG	Vapor Liquid Separator Site Glass	**0**	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	**0.0**	gal.
VI202	Particulate Filter Inlet Vacuum	**0**	"Hg
VI203	Particulate Filter Outlet Vacuum	**-7.5**	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	**430**	scfm
TI201	Soil Vapor Extraction Discharge Temperature	**155**	°F
PI201	Soil Vapor Extraction Discharge Pressure	**10.5**	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	**169,918**	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**No**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**No**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. Last changed 6/5/24 50,638 hrs. Next oil change due **56,638 hours.**

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Vapor Phase Carbon

Nomenclature	***Description***	***Reading***	***Units***
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0.0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**120**	°F
TI203	Temperature Between the Carbon Units	**110**	°F

Description of Maintenance Actives Completed:

None

Equalization Tank

Nomenclature	***Description***	***Reading***	***Units***
EQSG	Equalization Tank Site Glass	**700**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

Cleaned Sight Glass

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**5,148.9**	screen
EQ Pump Run Time (hrs.):	**11,865.9**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**32**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**454,531.0**	gal
FT221	Bag Filtration Water Flow	**Not working**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**No**	If yes, which filters?
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

Valve and backflow from pump corroded

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**53,807.2**	screen
AS Blower Run Time (hrs.)	**11,661.5**	gauge
AS Transfer Pump Run Time (hrs.)	**2,402.8**	screen
AS Transfer Pump Run Time (hrs.)	**5,647.6**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.5**	"W.C.
PI603	Back Pressure After Transfer Pump	**38**	psi
PI604	Sump Pressure	**31**	"W.C.
FT601	Flow Totalizer	**1,905,714.1**	gal
FT601	Flow Transmitter	**7.0**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**30**	psi
PI612	Pressure After Carbon Vessel T611	**13**	psi
Effluent Flow	Totalizer	**1,772,140**	gal
Effluent Flow	Flow	**14**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Air Compressor

Motor Run Time (hrs.)	**6,494.5**	screen
Motor Run Time (hrs.)	**14,245.5**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PCV101	Pressure Regulator Valve	**140**	psi
PI-101	Conveyance Line Pressure	**120**	psi
TI-101	Compressed Air Temperature	**68**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Ok**
Coalescing Filter Condition:	**Ok**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 6/5/2024 at 13,762 hrs. Next oil change Interval 15,762 hrs. or by 6/2025

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

Second filter leaking air at drain nozzle, cleaned and reset to stop leak

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**No**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**

Other (please specify in detail):	**Cleaned gutters, closed fresh air lowers, turn on heat trace**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**Yes**	
NYSEG Meter Reading (kwh)	**72,833**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**6.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**131,210**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3.0**	psi
Cycle Count	**220,496**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**2**	psi
Cycle Count	**112,713**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**7.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**174,807**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**960,913**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3.0**	psi
Cycle Count	**121,562**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Pulled pump to check operation, appeared to actuate properly; reinstalled pending increase in water levels to assess pumping.

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**6.0**	psi
Cycle Count	**512,168**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**774,797**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**242,269**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**5.0**	psi
Cycle Count	**659,510**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**-**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Corroded air line valve, replacement planned for December 2024, pending weather conditions.

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**205**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Installed new pump and discovered counter not working so that was also replaced, counter reading is for new count at installation; Corroded air line valve, replacement planned for December 2024, pending weather conditions.

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,732**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Corroded air line valve, replacement planned for December 2024, pending weather conditions.

Operational Checklist

Former EPT
Ithaca, NY

Date: 12/17/2024 **Inspector:** Gregory Ernst

Arrival Time: 0800 **Weather Conditions:** Cloudy 40°

Departure Time: 1500

Reason for Visit (check all that apply):

Bi-Weekly O&M _____ Collect influent/effluent samples _____

Monthly O&M ✓ Assist with carbon changeout _____

Other _____

_____

System Alarms Active Upon Arrival **None**

TREATMENT SYSTEM CHECKLIST

Soil Vapor Extraction Skid

Motor Run Time (hrs.):	**54,868.9**	screen
Motor Run Time (hrs.):	**73,679.4**	gauge

Nomenclature	*Description*	*Reading*	*Units*
VI201	Vapor Liquid Separator Inlet Vacuum	**-9.0**	"Hg
VLSSG	Vapor Liquid Separator Site Glass	**0**	inches
VLSSG	Vapor Liquid Separator Site Glass (calculation)	**0.0**	gal.
VI202	Particulate Filter Inlet Vacuum	**0**	"Hg
VI203	Particulate Filter Outlet Vacuum	**-7.5**	"Hg
FI201	Soil Vapor Extraction Flow (Manual)	**483**	scfm
TI201	Soil Vapor Extraction Discharge Temperature	**160**	°F
PI201	Soil Vapor Extraction Discharge Pressure	**10.5**	"W.C.
FT202	Vapor Liquid Separator Water Transfer Pump Totalizer	**169,938**	gal.

***Reading taken from newly installed Anemometer Port**

Operational Checklist

Former EPT
Ithaca, NY

Maintenance Items:

Oil Level:	**OK**
Oil Change (yes/no every 6000hrs.):	**No**
Grease Lubrication Added (yes/no):	**No**
Transfer Water Out of Vapor Liquid Separator (yes/no)	**No**
Particulate Filter Changeout (yes/no)	**No**

Oil change Needed Every 6,000 hrs. Last changed 6/5/24 50,638 hrs. Next oil change due **56,638 hours.**

Replacement Blower Filter is a Solberg 235 P

Replacement Bleed Filter is a Solberg 31 P

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Vapor Phase Carbon

Nomenclature	***Description***	***Reading***	***Units***
PI203	Pressure After Carbon Vessel T201	**0.0**	"W.C.
PI204	Pressure After Carbon Vessel T202	**0.0**	"W.C.
TI202	Inlet Temperature of 1st Carbon Unit	**125**	°F
TI203	Temperature Between the Carbon Units	**118**	°F

Description of Maintenance Actives Completed:

None

Equalization Tank

Nomenclature	***Description***	***Reading***	***Units***
EQSG	Equalization Tank Site Glass	**750**	gal
PI701	Equalization Tank Vacuum	**0**	" W.C.

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Bag Filter Skid

EQ Pump Run Time (hrs.):	**5,179.7**	screen
EQ Pump Run Time (hrs.):	**11,896.6**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI211	Transfer Pump Discharge Water Pressure	**32**	psi
PI221	Bag Filter Influent Water Pressure	**0**	psi
PI222	Water Pressure Between PF-221 and PF-222	**0**	pis
PI223	Water Pressure Between PF-222 and PF-223	**0**	psi
PI224	Water Pressure Between PF-224 and PF-225	**0**	psi
PI225	Water Pressure Between PF-225 and PF-226	**0**	psi
PI226	Bag Filtration Exit Water Pressure	**0**	psi
FT221	Bag Filtration Water Totalizer	**454,531.0**	gal
FT221	Bag Filtration Water Flow	**Not working**	gpm

Maintenance Items:

Changed Bag Filter(s) (yes/no)	**No**	If yes, which filters?
Cleaned Bag Filter(s) (yes/no)	**No**	If yes, which filters?

Additional Maintenance Needed:

Flow meter not working

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Air-Stripper Skid

AS Blower Run Time (hrs.)	**54,416.8**	screen
AS Blower Run Time (hrs.)	**12,261.8**	gauge
AS Transfer Pump Run Time (hrs.)	**2,421.3**	screen
AS Transfer Pump Run Time (hrs.)	**5,665.8**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PI601	Differential Pressure Before the Butterfly Valve	**2**	"W.C.
PI602	Pressure After the Butterfly Valve	**0.5**	"W.C.
PI603	Back Pressure After Transfer Pump	**38**	psi
PI604	Sump Pressure	**32**	"W.C.
FT601	Flow Totalizer	**1,913,120.1**	gal
FT601	Flow Transmitter	**6.8**	gpm

Maintenance Items:

Cleaned Stripper Trays (yes/no)	**No**

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Liquid Phase Carbon

Nomenclature	*Description*	*Reading*	*Units*
PI611	Pressure Before Carbon Vessel T611	**30**	psi
PI612	Pressure After Carbon Vessel T611	**14**	psi
Effluent Flow	Totalizer	**1,785,513**	gal
Effluent Flow	Flow	**14**	gpm

Operational Checklist

Former EPT
Ithaca, NY

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Air Compressor

Motor Run Time (hrs.)	**6,572.3**	screen
Motor Run Time (hrs.)	**14,323.0**	gauge

Nomenclature	*Description*	*Reading*	*Units*
PCV101	Pressure Regulator Valve	**120**	psi
PI-101	Conveyance Line Pressure	**90**	psi
TI-101	Compressed Air Temperature	**70**	°F

Maintenance Items:

Oil Level:	**Ok**
Oil Change (yes/no)	**No**
Belt Condition:	**Ok**
Coalescing Filter Condition:	**Ok**

Oil Change needed every 2000 hrs. OR every 12 Months (Which ever comes first). Last changed 6/5/2024 at 13,762 hrs. Next oil change Interval 15,762 hrs. or by 6/2025

Additional Maintenance Needed:

None

Description of Maintenance Actives Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

Miscellaneous Tasks

Maintenance Items:

Snow Removal (yes/no)	**No**
Grass/Weed Removal (yes/no)	**No**
Is Shed Clean and Organized on Arrival (yes/no)	**Yes**
Is Shed Clean and Organized on Departure (yes/no)	**Yes**

Other (please specify in detail):	**None**

WELL VAULT CHECKLIST

Checked Heat Trace Breakers (yes/no):	**Yes**	
NYSEG Meter Reading (kwh)	**83,365**	

EW-1

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**6.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**0**	psi
Cycle Count	**161,265**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**130**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-2

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3.0**	psi
Cycle Count	**230,129**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-3

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**1.5**	psi
Cycle Count	**116,280**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-4

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**7.0**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**176,213**	# of cycles 3

Air Line	*Reading*	*Units*
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-5

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0**	psi
Cycle Count	**987,351**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**110**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-6

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8.0**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**7.0**	psi
Cycle Count	**121,562**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**110**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

EW-7

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**8**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**6.5**	psi
Cycle Count	**521,929**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Replaced bolt on vault cover

Operational Checklist

Former EPT
Ithaca, NY

EW-8

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**778,297**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**125**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Replaced bolt on vault cover

EW-10

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	***Reading***	***Units***
Vacuum Gauge	**7.5**	inHg

Water Line	***Reading***	***Units***
Pressure Gauge	**3**	psi
Cycle Count	**243,569**	# of cycles

Air Line	***Reading***	***Units***
Pressure Gauge	**120**	psi
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

None

Operational Checklist

Former EPT
Ithaca, NY

EW-9R (uphill)

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**-**	psi
Cycle Count	**659,526**	# of cycles

Air Line	*Reading*	*Units*
Pressure Gauge	**50**	psi
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Change out air line valves. Pump stuck after valve change, pulled pump to clean. Working after cleaned. Well has a lot of mud on the bottom.

EW-11

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8.0**	inHg

Water Line	*Reading*	*Units*
Cycle Count	**8,822**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**75**	psi

Description of Maintained Activities Completed:

Changed out air line valves

EW-12

Checked Sample Port (yes/no):	**Yes**
Checked Compressed Air Line Drain (yes/no):	**Yes**

Vapor Line	*Reading*	*Units*
Vacuum Gauge	**8**	inHg

Water Line	*Reading*	*Units*
Pressure Gauge	**0.0**	psi
Cycle Count	**2,777**	# of cycles

Air Line	*Reading*	*Units*
Regulator Gauge	**80**	psi

Description of Maintained Activities Completed:

Changed out air line valves